

7.1.34 Conducted power measurements of BT

| BT | Tune-up | Average Conducted Power (dBm) | | |
|------|---------|-------------------------------|--------------|--------------|
| | Max. | 0CH | 13CH | 26CH |
| DH5 | 17.30 | 15.86 | 16.87 | 16.05 |
| 2DH5 | 15.30 | 13.94 | 14.97 | 14.15 |
| 3DH5 | 15.30 | 13.93 | 14.93 | 14.15 |
| BT | Tune-up | Average Conducted Power (dBm) | | |
| | Max. | 27CH | 41CH | 65CH |
| DH5 | 16.30 | 15.96 | 15.35 | 14.96 |
| 2DH5 | 14.30 | 14.07 | 13.45 | 13.09 |
| 3DH5 | 14.30 | 14.06 | 13.45 | 13.07 |
| BT | Tune-up | Average Conducted Power (dBm) | | |
| | Max. | 66CH | 72CH | 78CH |
| DH5 | 15.30 | 14.89 | 14.44 | 13.46 |
| 2DH5 | 13.40 | 13.03 | 12.57 | 11.63 |
| 3DH5 | 13.40 | 13.00 | 12.55 | 11.59 |

Table 155: Conducted power measurement results of BT (High Power level A)

| BT | Tune-up | Average Conducted Power (dBm) | | |
|------|---------|-------------------------------|-------------|-------------|
| | Max. | 0CH | 5CH | 10CH |
| DH5 | 10.50 | 9.35 | 9.47 | 8.78 |
| 2DH5 | 8.50 | 7.54 | 7.48 | 6.79 |
| 3DH5 | 8.50 | 7.54 | 7.49 | 6.71 |
| BT | Tune-up | Average Conducted Power (dBm) | | |
| | Max. | 11CH | 39CH | 68CH |
| DH5 | 11.00 | 9.40 | 9.58 | 9.14 |
| 2DH5 | 9.00 | 6.81 | 7.74 | 7.71 |
| 3DH5 | 9.00 | 6.81 | 7.75 | 7.72 |
| BT | Tune-up | Average Conducted Power (dBm) | | |
| | Max. | 69CH | 73CH | 78CH |
| DH5 | 10.00 | 9.42 | 8.93 | 7.91 |
| 2DH5 | 8.50 | 7.66 | 7.10 | 6.07 |
| 3DH5 | 8.50 | 7.66 | 7.11 | 6.07 |
| BT | Tune-up | Average Conducted Power (dBm) | | |
| | Max. | 0CH | 2CH | 5CH |
| BLE | 8.00 | 7.65 | 7.90 | 7.91 |
| BT | Tune-up | Average Conducted Power (dBm) | | |
| | Max. | 6CH | 18CH | 31CH |
| BLE | 9.00 | 8.07 | 8.46 | 8.10 |
| BT | Tune-up | Average Conducted Power (dBm) | | |
| | Max. | 32CH | 35CH | 39CH |
| BLE | 7.50 | 7.33 | 7.32 | 7.37 |

Table 156: Conducted power measurement results of BT (Normal Power level B)

| BT | Tune-up | Average Conducted Power (dBm) | | | |
|-------------------|---------|-------------------------------|-------|-------|-------|
| | Max. | 0CH | 4CH | 8CH | |
| UHD GFSK 1Mbps HP | 16.30 | 14.90 | 14.89 | 15.13 | |
| UHD GFSK 2Mbps HP | 16.30 | 13.90 | 14.82 | 15.13 | |
| UHD 2M HP | 16.20 | 15.03 | 14.90 | 15.12 | |
| UHD 2M 8DPSK HP | 16.30 | 15.12 | 15.04 | 15.28 | |
| BT | Tune-up | Average Conducted Power (dBm) | | | |
| | Max. | 9CH | 14CH | 18CH | |
| UHD GFSK 1Mbps HP | 16.00 | 14.99 | 13.63 | 13.02 | |
| UHD GFSK 2Mbps HP | 15.80 | 15.01 | 13.57 | 12.89 | |
| UHD 2M HP | 15.70 | 15.05 | 15.25 | 13.19 | |
| UHD 2M 8DPSK HP | 15.80 | 15.15 | 13.85 | 13.28 | |
| BT | Tune-up | Average Conducted Power (dBm) | | | |
| | Max. | 19CH | 26CH | 32CH | |
| UHD GFSK 1Mbps HP | 15.70 | 13.19 | 13.97 | 12.71 | |
| UHD GFSK 2Mbps HP | 15.50 | 13.12 | 13.97 | 12.59 | |
| UHD 2M HP | 15.20 | 13.39 | 14.39 | 13.21 | |
| UHD 2M 8DPSK HP | 15.50 | 13.47 | 14.18 | 12.82 | |
| BT | Tune-up | Average Conducted Power (dBm) | | | |
| | Max. | 33CH | 35CH | 37CH | |
| UHD GFSK 1Mbps HP | 14.50 | 12.59 | 12.48 | 12.49 | |
| UHD GFSK 2Mbps HP | 14.30 | 12.52 | 12.44 | 12.45 | |
| UHD 2M HP | 14.20 | 13.11 | 13.10 | 13.13 | |
| UHD 2M 8DPSK HP | 14.30 | 12.69 | 12.61 | 12.58 | |
| BT | Tune-up | Average Conducted Power (dBm) | | | |
| | Max. | 0CH | 6CH | 10CH | |
| UHD 4M | | 14.90 | 13.91 | 15.01 | 14.72 |
| | Max. | 12CH | 16CH | 20CH | |
| | | 14.00 | 14.16 | 12.91 | 13.25 |
| | Max. | 22CH | 26CH | 28CH | |
| | | 14.30 | 13.62 | 14.28 | 13.65 |
| | Max. | 30CH | 34CH | 36CH | |
| | | 13.50 | 13.26 | 12.30 | 12.41 |

Table 157: Conducted power measurement results of BT UHD (High Power level A)

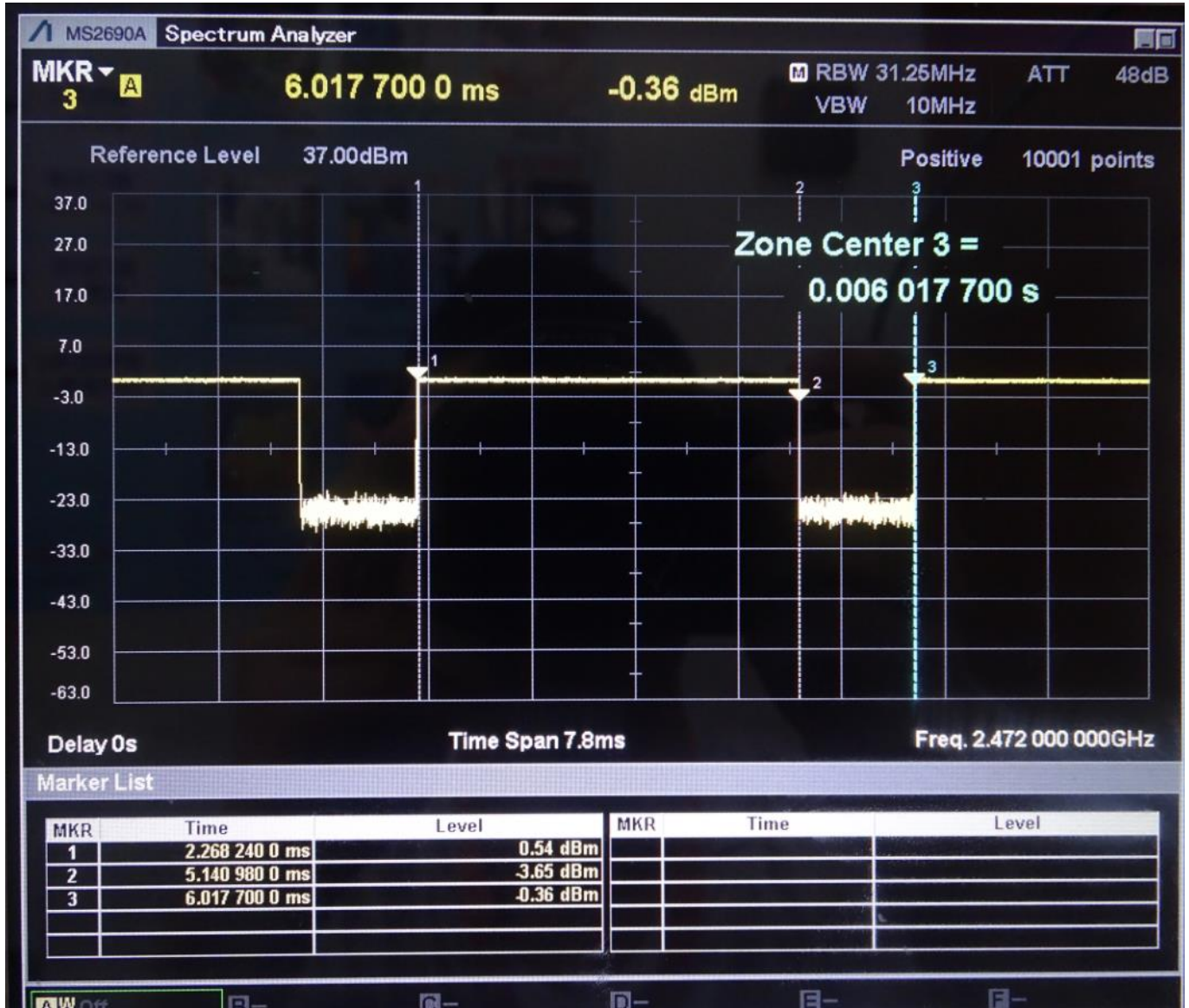
| BT | Tune-up | Average Conducted Power (dBm) | | |
|-------------------|---------|-------------------------------|------|------|
| | Max. | 0CH | 1CH | 3CH |
| UHD GFSK 1Mbps HP | 7.20 | 4.99 | 4.85 | 4.51 |
| UHD GFSK 2Mbps HP | 7.20 | 5.08 | 4.97 | 4.56 |
| UHD 2M HP | 7.10 | 5.81 | 5.65 | 5.32 |
| UHD 2M 8DPSK HP | 7.70 | 5.89 | 5.73 | 5.38 |
| BT | Tune-up | Average Conducted Power (dBm) | | |
| | Max. | 4CH | 7CH | 10CH |
| UHD GFSK 1Mbps HP | 7.70 | 4.25 | 5.25 | 6.38 |
| UHD GFSK 2Mbps HP | 7.70 | 4.35 | 5.33 | 6.48 |
| UHD 2M HP | 7.50 | 5.05 | 6.05 | 7.12 |
| UHD 2M 8DPSK HP | 8.00 | 5.11 | 6.12 | 7.17 |
| BT | Tune-up | Average Conducted Power (dBm) | | |
| | Max. | 12CH | 19CH | 26CH |
| UHD GFSK 1Mbps HP | 8.00 | 6.95 | 5.36 | 5.76 |
| UHD GFSK 2Mbps HP | 8.00 | 7.03 | 5.43 | 5.89 |
| UHD 2M HP | 7.90 | 7.58 | 6.15 | 6.56 |
| UHD 2M 8DPSK HP | 8.50 | 7.65 | 6.22 | 6.60 |
| BT | Tune-up | Average Conducted Power (dBm) | | |
| | Max. | 27CH | 32CH | 37CH |
| UHD GFSK 1Mbps HP | 7.50 | 5.97 | 6.09 | 5.56 |
| UHD GFSK 2Mbps HP | 7.50 | 6.02 | 6.15 | 5.63 |
| UHD 2M HP | 7.70 | 6.68 | 6.76 | 6.25 |
| UHD 2M 8DPSK HP | 8.00 | 6.76 | 6.82 | 6.32 |
| BT | Tune-up | Average Conducted Power (dBm) | | |
| | Max. | 0CH | 4CH | 8CH |
| UHD 4M | 6.50 | 5.19 | 4.36 | 6.03 |
| | Max. | 10CH | 22CH | 32CH |
| | 7.10 | 6.48 | 5.41 | 6.16 |
| | Max. | 34CH | / | 36CH |
| | 6.50 | 5.57 | | 5.36 |

Table 158: Conducted power measurement results of BT UHD (Normal Power level B)

Note:

- 1)The conducted power of BT is measured with RMS detector.
- 2)The bolded mode was selected for SAR testing.
- 3)As different maximum tune-up output power is specified across the different channels range. So the additional conducted power measurement for the adjacent channel of each power level stage is also performed in this report to ensure compliance.
- 4) BT BLE does not support High power level A mode.

Figure: Bluetooth Transmission Plot



So the actual bluetooth duty cycle is calculated as below:

$$\text{Dutycycle} = \text{pulse} \frac{\text{width}}{\text{period}} * 100\% = \frac{2.87274\text{ms}}{3.74946\text{ms}} * 100\% = 76.6\%$$

7.2 SAR measurement Results

General Notes:

- 1) Per KDB 447498 D01, all SAR measurement results are scaled to the maximum tune-up tolerance limit to demonstrate SAR compliance.
- 2) Per KDB 447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - $\leq 0.8\text{W/kg}$ for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is $\leq 100\text{MHz}$.
 - $\leq 0.6\text{ W/kg}$ or 1.5 W/kg , for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
 - $\leq 0.4\text{ W/kg}$ or 1.0 W/kg , for 1-g or 10-g respectively, when the transmission band is $\geq 200\text{ MHz}$.When the maximum output power variation across the required test channels is $> \frac{1}{2}\text{ dB}$, instead of the middle channel, the highest output power channel must be used.
- 3) Per KDB 865664 D01, for each frequency band, repeated SAR measurement is required only when the measured SAR is $\geq 0.8\text{W/kg}$; if the deviation among the repeated measurement is $\leq 20\%$, and the measured SAR $< 1.45\text{W/kg}$, only one repeated measurement is required.
- 4) Per KDB 941225 D06, the DUT Dimension is bigger than 9 cm x 5 cm, so 10mm is chosen as the test separation distance for Hotspot mode. When the antenna-to-edge distance is greater than 2.5cm, such position does not need to be tested.
- 5) Per KDB 648474 D04, SAR is evaluated without a headset connected to the device. When the standalone reported body-worn SAR is $\leq 1.2\text{ W/kg}$, no additional SAR evaluations using a headset are required.
- 6) Per KDB 865664 D02, SAR plot is only required for the highest measured SAR in each exposure configuration, wireless mode and frequency band combination; Plots are also required when the measured SAR is $> 1.5\text{ W/kg}$, or $> 7.0\text{ W/kg}$ for occupational exposure. The published RF exposure KDB procedures may require additional plots; for example, to support SAR to peak location separation ratio test exclusion and/or volume scan post-processing (Refer to appendix B for details).
- 7) Per KDB 648474 D04, Body-worn accessories that do not contain metallic or conductive components is tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.
- 8) Per KDB 648474 D04, Phones with built-in NFC functions do not require separate SAR testing and can generally be tested according to the SAR measurement procedures normally required for the phone. Influences of the hardware introduced by the built-in NFC functions are inherently considered through testing of the other transmitters that require SAR evaluation.
- 9) For this device, the receiver is designed under the screen and invisible. In order to solve the head positioning issue and locate the receiver accurately during Head SAR test, the test lab should follow the manufacturer specification and precisely identify the earpiece location and the best acoustic position on the handset. For Head SAR test, full SAR test is performed with the normal audio receiver position per IEEE 1528-2013. Additional Head SAR spot check tests are also performed with the best acoustic position based on the Head SAR worst case of each Tx antenna to ensure SAR compliance.

GSM Notes:

1) Per KDB941225 D01, SAR test reduction for GPRS and EDGE modes is determined by the source-based time-averaged output power specified for production units, including tune-up tolerance. The data mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.

2) Per KDB 648474 D04, the device does not support DTM function. Body-worn accessory testing is typically associated with voice operations. Therefore, GSM voice was evaluated for body-worn SAR.

UMTS Notes:

1) Per KDB 941225 D01, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of Second to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the Second mode.

LTE Notes:

1) The LTE test configurations are determined according to KDB 941225 D05 SAR for LTE Devices. The general test procedures used for SAR testing can be found in Section 6.5.

2) A-MPR was disabled for all SAR test by setting NS_01 on the base station simulator. SAR tests were performed with the same number of RB and RB offsets transmitting on all TTI frames (maximum TTI)

3) According to KDB 941225 D05 SAR for LTE Devices, for Time-Division Duplex (TDD) systems, SAR is tested using a fixed periodic duty factor according to the highest transmission duty factor (63.33%) implemented for the device and supported by the defined 3GPP LTE TDD configurations.

WiFi Notes:

Per KDB 248227D01:

1) When reported SAR for the initial test position is ≤ 0.4 W/kg, no additional testing for the remaining test position is required. Otherwise, SAR is evaluated at the subsequent highest peak SAR position until the reported SAR result is ≤ 0.8 W/kg or all test position are measured. For all positions/configurations tested using the initial test position and subsequent test positions, when the *reported* SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the *reported* SAR is ≤ 1.2 W/kg or all required channels are tested..

2) When the DSSS *reported* SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.

3) When the highest *reported* SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is required for 2.4 GHz 802.11g/n OFDM configurations

4) The highest SAR measured for the initial test position or initial test configuration should be used to determine SAR test exclusion according to the sum of 1-g SAR and SAR peak to location ratio provisions in KDB 447498. In addition, a test lab may also choose to perform standalone SAR measurements for test positions and 802.11 configurations that are not required by the initial test position or initial test configuration procedures and apply the results to determine simultaneous transmission SAR test exclusion, according to sum of 1-g and SAR peak to location ratio requirements to reduce the number of simultaneous transmission SAR measurements.

7.2.1 SAR measurement Results of GSM850

| Test Position of Head | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Left cheek | 190/836.6 | GSM | 0.355 | 0.173 | 0.00 | 28.07 | 29.00 | 0.440 | Battery 1# | / |
| Left tilt | 190/836.6 | GSM | 0.336 | 0.159 | 0.01 | 28.07 | 29.00 | 0.416 | Battery 1# | / |
| Right cheek | 190/836.6 | GSM | 0.343 | 0.179 | -0.03 | 28.07 | 29.00 | 0.425 | Battery 1# | / |
| Right tilt | 190/836.6 | GSM | 0.313 | 0.150 | -0.04 | 28.07 | 29.00 | 0.388 | Battery 1# | / |
| Left cheek | 190/836.6 | GSM | 0.352 | 0.171 | -0.05 | 28.07 | 29.00 | 0.436 | Battery 2# | / |
| Left cheek | 128/824.2 | GSM | 0.353 | 0.175 | -0.03 | 27.88 | 29.00 | 0.457 | Battery 1# | / |
| Left cheek | 251/848.8 | GSM | 0.361 | 0.178 | -0.03 | 28.10 | 29.00 | 0.444 | Battery 1# | / |
| Main Antenna | | | | | | | | | | |
| Left cheek | 190/836.6 | GSM | 0.093 | 0.071 | 0.06 | 33.43 | 34.00 | 0.105 | Battery 1# | / |
| Left tilt | 190/836.6 | GSM | 0.057 | 0.039 | 0.04 | 33.43 | 34.00 | 0.065 | Battery 1# | / |
| Right cheek | 190/836.6 | GSM | 0.115 | 0.089 | 0.19 | 33.43 | 34.00 | 0.131 | Battery 1# | / |
| Right tilt | 190/836.6 | GSM | 0.041 | 0.029 | -0.04 | 33.43 | 34.00 | 0.047 | Battery 1# | / |
| Right cheek | 190/836.6 | GSM | 0.113 | 0.087 | -0.03 | 33.43 | 34.00 | 0.129 | Battery 2# | / |
| Right cheek | 128/824.2 | GSM | 0.103 | 0.080 | -0.02 | 33.48 | 34.00 | 0.116 | Battery 1# | / |
| Right cheek | 251/848.8 | GSM | 0.130 | 0.101 | -0.12 | 33.41 | 34.00 | 0.149 | Battery 1# | / |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Left cheek | 128/824.2 | GSM | 0.387 | 0.192 | 0.00 | 27.88 | 29.00 | 0.501 | Battery 1# | Yes |
| Left cheek | 128/824.2 | GSM | 0.387 | 0.191 | -0.05 | 27.88 | 29.00 | 0.501 | With SIM2 | / |
| Main Antenna | | | | | | | | | | |
| Right cheek | 251/848.8 | GSM | 0.138 | 0.108 | 0.16 | 33.41 | 34.00 | 0.158 | Battery 1# | Yes |
| Right cheek | 251/848.8 | GSM | 0.113 | 0.088 | 0.05 | 33.41 | 34.00 | 0.129 | With SIM2 | / |

Table 159: Head SAR test results of GSM850

| Test Position of Body-Worn | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 15mm | 190/836.6 | GSM | 0.266 | 0.176 | -0.02 | 33.40 | 34.00 | 0.305 | Battery 1# | / |
| Back Side | 15mm | 190/836.6 | GSM | 0.270 | 0.183 | -0.15 | 33.40 | 34.00 | 0.310 | Battery 1# | Yes |
| Back Side | 15mm | 190/836.6 | GSM | 0.260 | 0.174 | -0.06 | 33.40 | 34.00 | 0.299 | Battery 2# | / |
| Back Side | 15mm | 128/824.2 | GSM | 0.229 | 0.157 | -0.12 | 33.37 | 34.00 | 0.265 | Battery 1# | / |
| Back Side | 15mm | 251/848.8 | GSM | 0.199 | 0.134 | -0.07 | 33.45 | 34.00 | 0.226 | Battery 1# | / |
| Main Antenna | | | | | | | | | | | |
| Front Side | 15mm | 190/836.6 | GSM | 0.233 | 0.159 | 0.16 | 33.43 | 34.00 | 0.266 | Battery 1# | / |
| Back Side | 15mm | 190/836.6 | GSM | 0.242 | 0.171 | -0.16 | 33.43 | 34.00 | 0.276 | Battery 1# | / |
| Back Side | 15mm | 190/836.6 | GSM | 0.255 | 0.180 | -0.07 | 33.43 | 34.00 | 0.291 | Battery 2# | / |
| Back Side | 15mm | 128/824.2 | GSM | 0.242 | 0.172 | -0.04 | 33.48 | 34.00 | 0.273 | Battery 2# | / |
| Back Side | 15mm | 251/848.8 | GSM | 0.288 | 0.202 | -0.08 | 33.41 | 34.00 | 0.330 | Battery 2# | Yes |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Back Side | 15mm | 190/836.6 | GSM | 0.191 | 0.112 | -0.08 | 33.40 | 34.00 | 0.219 | Battery 1# | / |
| Back Side | 15mm | 190/836.6 | GSM | 0.191 | 0.112 | -0.07 | 33.40 | 34.00 | 0.219 | With SIM2 | / |
| Main Antenna | | | | | | | | | | | |
| Back Side | 15mm | 251/848.8 | GSM | 0.233 | 0.164 | -0.03 | 33.41 | 34.00 | 0.267 | Battery 2# | / |
| Back Side | 15mm | 251/848.8 | GSM | 0.239 | 0.169 | 0.04 | 33.41 | 34.00 | 0.274 | With SIM2 | / |

Table 160: Body Worn SAR test results of GSM850

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 10mm | 190/836.6 | GPRS 2TS | 0.622 | 0.377 | -0.03 | 31.10 | 32.00 | 0.765 | Battery 1# | / |
| Back Side | 10mm | 190/836.6 | GPRS 2TS | 0.647 | 0.359 | -0.06 | 31.10 | 32.00 | 0.796 | Battery 1# | Yes |
| Left Side | 10mm | 190/836.6 | GPRS 2TS | 0.215 | 0.144 | -0.01 | 31.10 | 32.00 | 0.265 | Battery 1# | / |
| Top Side | 10mm | 190/836.6 | GPRS 2TS | 0.364 | 0.172 | -0.02 | 31.10 | 32.00 | 0.448 | Battery 1# | / |
| Back Side | 10mm | 190/836.6 | GPRS 2TS | 0.589 | 0.328 | -0.06 | 31.10 | 32.00 | 0.725 | Battery 2# | / |
| Back Side | 10mm | 128/824.2 | GPRS 2TS | 0.578 | 0.326 | -0.04 | 30.82 | 32.00 | 0.758 | Battery 1# | / |
| Back Side | 10mm | 251/848.8 | GPRS 2TS | 0.511 | 0.302 | -0.05 | 30.99 | 32.00 | 0.645 | Battery 1# | / |
| Main Antenna | | | | | | | | | | | |
| Front Side | 10mm | 190/836.6 | GPRS 2TS | 0.307 | 0.210 | -0.05 | 31.17 | 32.00 | 0.372 | Battery 1# | / |
| Back Side | 10mm | 190/836.6 | GPRS 2TS | 0.404 | 0.275 | -0.04 | 31.17 | 32.00 | 0.489 | Battery 1# | / |
| Left Side | 10mm | 190/836.6 | GPRS 2TS | 0.271 | 0.140 | -0.13 | 31.17 | 32.00 | 0.328 | Battery 1# | / |
| Right Side | 10mm | 190/836.6 | GPRS 2TS | 0.134 | 0.089 | -0.02 | 31.17 | 32.00 | 0.162 | Battery 1# | / |
| Bottom Side | 10mm | 190/836.6 | GPRS 2TS | 0.289 | 0.182 | 0.06 | 31.17 | 32.00 | 0.350 | Battery 1# | / |
| Back Side | 10mm | 190/836.6 | GPRS 2TS | 0.437 | 0.298 | 0.06 | 31.17 | 32.00 | 0.529 | Battery 2# | / |
| Back Side | 10mm | 128/824.2 | GPRS 2TS | 0.402 | 0.275 | -0.09 | 31.16 | 32.00 | 0.488 | Battery 2# | / |
| Back Side | 10mm | 251/848.8 | GPRS 2TS | 0.495 | 0.336 | 0.01 | 31.28 | 32.00 | 0.584 | Battery 2# | / |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Back Side | 10mm | 190/836.6 | GPRS 2TS | 0.512 | 0.287 | 0.17 | 31.10 | 32.00 | 0.630 | Battery 1# | / |
| Back Side | 10mm | 190/836.6 | GPRS 2TS | 0.489 | 0.275 | -0.04 | 31.10 | 32.00 | 0.602 | With SIM2 | / |
| Main Antenna | | | | | | | | | | | |
| Back Side | 10mm | 251/848.8 | GPRS 2TS | 0.502 | 0.342 | -0.05 | 31.28 | 32.00 | 0.593 | Battery 2# | Yes |
| Back Side | 10mm | 251/848.8 | GPRS 2TS | 0.488 | 0.332 | -0.07 | 31.28 | 32.00 | 0.576 | With SIM2 | / |

Table 161: Hotspot SAR test results of GSM850

Note: Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.

7.2.2 SAR measurement Results of GSM1900

| Test Position of Head | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Left cheek | 661/1880 | GSM | 0.155 | 0.087 | 0.10 | 27.10 | 28.00 | 0.191 | Battery 1# | / |
| Left tilt | 661/1880 | GSM | 0.213 | 0.100 | 0.10 | 27.10 | 28.00 | 0.262 | Battery 1# | / |
| Right cheek | 661/1880 | GSM | 0.224 | 0.110 | -0.03 | 27.10 | 28.00 | 0.276 | Battery 1# | / |
| Right tilt | 661/1880 | GSM | 0.354 | 0.169 | 0.13 | 27.10 | 28.00 | 0.436 | Battery 1# | / |
| Right tilt | 661/1880 | GSM | 0.387 | 0.187 | 0.00 | 27.10 | 28.00 | 0.476 | Battery 2# | / |
| Right tilt | 512/1850.2 | GSM | 0.366 | 0.177 | 0.06 | 26.77 | 28.00 | 0.486 | Battery 2# | / |
| Right tilt | 810/1909.8 | GSM | 0.475 | 0.228 | 0.00 | 27.32 | 28.00 | 0.556 | Battery 2# | Yes |
| Main Antenna | | | | | | | | | | |
| Left cheek | 661/1880 | GSM | 0.065 | 0.040 | 0.08 | 30.20 | 31.00 | 0.078 | Battery 1# | / |
| Left tilt | 661/1880 | GSM | 0.040 | 0.024 | -0.07 | 30.20 | 31.00 | 0.048 | Battery 1# | / |
| Right cheek | 661/1880 | GSM | 0.081 | 0.051 | 0.14 | 30.20 | 31.00 | 0.098 | Battery 1# | / |
| Right tilt | 661/1880 | GSM | 0.033 | 0.019 | 0.11 | 30.20 | 31.00 | 0.039 | Battery 1# | / |
| Right cheek | 661/1880 | GSM | 0.071 | 0.042 | 0.16 | 30.20 | 31.00 | 0.086 | Battery 2# | / |
| Right cheek | 512/1850.2 | GSM | 0.068 | 0.043 | -0.03 | 29.95 | 31.00 | 0.086 | Battery 1# | / |
| Right cheek | 810/1909.8 | GSM | 0.070 | 0.045 | -0.10 | 30.22 | 31.00 | 0.083 | Battery 1# | / |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Right tilt | 810/1909.8 | GSM | 0.331 | 0.157 | -0.14 | 27.32 | 28.00 | 0.387 | Battery 2# | / |
| Right tilt | 810/1909.8 | GSM | 0.321 | 0.154 | -0.13 | 27.32 | 28.00 | 0.375 | With SIM2 | / |
| Main Antenna | | | | | | | | | | |
| Right cheek | 661/1880 | GSM | 0.102 | 0.063 | 0.12 | 30.20 | 31.00 | 0.123 | Battery 1# | Yes |
| Right cheek | 661/1880 | GSM | 0.073 | 0.047 | 0.19 | 30.20 | 31.00 | 0.088 | With SIM2 | / |

Table 162: Head SAR test results of GSM1900

| Test Position of Body-Worn | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 15mm | 661/1880 | GSM | 0.027 | 0.015 | 0.08 | 29.48 | 30.00 | 0.030 | Battery 1# | / |
| Back Side | 15mm | 661/1880 | GSM | 0.031 | 0.019 | 0.03 | 29.48 | 30.00 | 0.035 | Battery 1# | / |
| Back Side | 15mm | 661/1880 | GSM | 0.066 | 0.041 | -0.09 | 29.48 | 30.00 | 0.075 | Battery 2# | / |
| Back Side | 15mm | 512/1850.2 | GSM | 0.030 | 0.017 | 0.16 | 29.14 | 30.00 | 0.037 | Battery 2# | / |
| Back Side | 15mm | 810/1909.8 | GSM | 0.033 | 0.020 | 0.11 | 29.57 | 30.00 | 0.036 | Battery 2# | / |
| Main Antenna | | | | | | | | | | | |
| Front Side | 15mm | 661/1880 | GSM | 0.102 | 0.061 | 0.10 | 30.20 | 31.00 | 0.123 | Battery 1# | / |
| Back Side | 15mm | 661/1880 | GSM | 0.131 | 0.089 | -0.06 | 30.20 | 31.00 | 0.157 | Battery 1# | / |
| Back Side | 15mm | 661/1880 | GSM | 0.129 | 0.087 | -0.06 | 30.20 | 31.00 | 0.155 | Battery 2# | / |
| Back Side | 15mm | 512/1850.2 | GSM | 0.135 | 0.092 | 0.03 | 29.95 | 31.00 | 0.172 | Battery 1# | / |
| Back Side | 15mm | 810/1909.8 | GSM | 0.139 | 0.095 | 0.03 | 30.22 | 31.00 | 0.166 | Battery 1# | / |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Back Side | 15mm | 661/1880 | GSM | 0.076 | 0.048 | -0.11 | 29.48 | 30.00 | 0.086 | Battery 1# | Yes |
| Back Side | 15mm | 661/1880 | GSM | 0.067 | 0.043 | -0.07 | 29.48 | 30.00 | 0.075 | With SIM2 | / |
| Main Antenna | | | | | | | | | | | |
| Back Side | 15mm | 512/1850.2 | GSM | 0.159 | 0.105 | -0.14 | 30.22 | 31.00 | 0.190 | Battery 1# | Yes |
| Back Side | 15mm | 512/1850.2 | GSM | 0.152 | 0.101 | -0.19 | 30.22 | 31.00 | 0.182 | With SIM2 | / |

Table 163: Body Worn SAR test results of GSM1900

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 10mm | 661/1880 | GPRS 2TS | 0.099 | 0.052 | 0.03 | 26.21 | 27.00 | 0.119 | Battery 1# | / |
| Back Side | 10mm | 661/1880 | GPRS 2TS | 0.084 | 0.046 | 0.15 | 26.21 | 27.00 | 0.100 | Battery 1# | / |
| Left Side | 10mm | 661/1880 | GPRS 2TS | 0.023 | 0.012 | 0.05 | 26.21 | 27.00 | 0.027 | Battery 1# | / |
| Top Side | 10mm | 661/1880 | GPRS 2TS | 0.195 | 0.105 | -0.12 | 26.21 | 27.00 | 0.234 | Battery 1# | / |
| Top Side | 10mm | 661/1880 | GPRS 2TS | 0.213 | 0.115 | 0.11 | 26.21 | 27.00 | 0.255 | Battery 2# | / |
| Top Side | 10mm | 512/1850.2 | GPRS 2TS | 0.225 | 0.121 | 0.18 | 25.88 | 27.00 | 0.291 | Battery 2# | / |
| Top Side | 10mm | 810/1909.8 | GPRS 2TS | 0.255 | 0.137 | 0.12 | 26.45 | 27.00 | 0.289 | Battery 2# | / |
| Main Antenna | | | | | | | | | | | |
| Front Side | 10mm | 661/1880 | GPRS 2TS | 0.219 | 0.123 | -0.05 | 27.64 | 28.50 | 0.267 | Battery 1# | / |
| Back Side | 10mm | 661/1880 | GPRS 2TS | 0.247 | 0.161 | -0.04 | 27.64 | 28.50 | 0.301 | Battery 1# | / |
| Left Side | 10mm | 661/1880 | GPRS 2TS | 0.051 | 0.030 | -0.15 | 27.64 | 28.50 | 0.062 | Battery 1# | / |
| Right Side | 10mm | 661/1880 | GPRS 2TS | 0.094 | 0.057 | -0.19 | 27.64 | 28.50 | 0.115 | Battery 1# | / |
| Bottom Side | 10mm | 661/1880 | GPRS 2TS | 0.465 | 0.267 | -0.15 | 27.64 | 28.50 | 0.567 | Battery 1# | / |
| Bottom Side | 10mm | 661/1880 | GPRS 2TS | 0.404 | 0.233 | -0.07 | 27.64 | 28.50 | 0.492 | Battery 2# | / |
| Bottom Side | 10mm | 512/1850.2 | GPRS 2TS | 0.426 | 0.247 | -0.05 | 27.59 | 28.50 | 0.525 | Battery 1# | / |
| Bottom Side | 10mm | 810/1909.8 | GPRS 2TS | 0.429 | 0.247 | -0.07 | 27.63 | 28.50 | 0.524 | Battery 1# | / |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Top Side | 10mm | 512/1850.2 | GPRS 2TS | 0.308 | 0.169 | 0.09 | 26.45 | 27.00 | 0.350 | Battery 1# | Yes |
| Top Side | 10mm | 512/1850.2 | GPRS 2TS | 0.299 | 0.164 | 0.09 | 26.45 | 27.00 | 0.339 | With SIM2 | / |
| Main Antenna | | | | | | | | | | | |
| Bottom Side | 10mm | 661/1880 | GPRS 2TS | 0.552 | 0.322 | 0.02 | 27.64 | 28.50 | 0.673 | Battery 1# | Yes |
| Bottom Side | 10mm | 661/1880 | GPRS 2TS | 0.536 | 0.316 | 0.03 | 27.64 | 28.50 | 0.653 | With SIM2 | / |

Table 164: Hotspot SAR test results of GSM1900

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Max Power Without Reduction | Scaled-up 1-g SAR (W/kg) | Product Specific 10-g SAR Exclusion |
|---|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|-----------------------------|--------------------------|-------------------------------------|
| | | | | 1-g | 10-g | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Front Side | 10mm | 661/1880 | GPRS 2TS | 0.099 | 0.052 | 0.03 | 26.21 | 28.00 | 0.150 | Yes |
| Back Side | 10mm | 661/1880 | GPRS 2TS | 0.084 | 0.046 | 0.15 | 26.21 | 28.00 | 0.126 | Yes |
| Left Side | 10mm | 661/1880 | GPRS 2TS | 0.023 | 0.012 | 0.05 | 26.21 | 28.00 | 0.034 | Yes |
| Top Side | 10mm | 661/1880 | GPRS 2TS | 0.195 | 0.105 | -0.12 | 26.21 | 28.00 | 0.294 | Yes |
| Top Side | 10mm | 661/1880 | GPRS 2TS | 0.213 | 0.115 | 0.11 | 26.21 | 28.00 | 0.322 | Yes |
| Top Side | 10mm | 512/1850.2 | GPRS 2TS | 0.225 | 0.121 | 0.18 | 25.88 | 28.00 | 0.367 | Yes |
| Top Side | 10mm | 810/1909.8 | GPRS 2TS | 0.255 | 0.137 | 0.12 | 26.45 | 28.00 | 0.364 | Yes |
| Main Antenna | | | | | | | | | | |
| Front Side | 10mm | 661/1880 | GPRS 2TS | 0.219 | 0.123 | -0.05 | 27.64 | 29.00 | 0.300 | Yes |
| Back Side | 10mm | 661/1880 | GPRS 2TS | 0.247 | 0.161 | -0.04 | 27.64 | 29.00 | 0.338 | Yes |
| Left Side | 10mm | 661/1880 | GPRS 2TS | 0.051 | 0.030 | -0.15 | 27.64 | 29.00 | 0.070 | Yes |
| Right Side | 10mm | 661/1880 | GPRS 2TS | 0.094 | 0.057 | -0.19 | 27.64 | 29.00 | 0.129 | Yes |
| Bottom Side | 10mm | 661/1880 | GPRS 2TS | 0.465 | 0.267 | -0.15 | 27.64 | 29.00 | 0.636 | Yes |
| Bottom Side | 10mm | 661/1880 | GPRS 2TS | 0.404 | 0.233 | -0.07 | 27.64 | 29.00 | 0.553 | Yes |
| Bottom Side | 10mm | 512/1850.2 | GPRS 2TS | 0.426 | 0.247 | -0.05 | 27.59 | 29.00 | 0.589 | Yes |
| Bottom Side | 10mm | 810/1909.8 | GPRS 2TS | 0.429 | 0.247 | -0.07 | 27.63 | 29.00 | 0.588 | Yes |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Top Side | 10mm | 512/1850.2 | GPRS 2TS | 0.308 | 0.169 | 0.09 | 26.45 | 28.00 | 0.440 | Yes |
| Top Side | 10mm | 512/1850.2 | GPRS 2TS | 0.299 | 0.164 | 0.09 | 26.45 | 28.00 | 0.427 | Yes |
| Main Antenna | | | | | | | | | | |
| Bottom Side | 10mm | 661/1880 | GPRS 2TS | 0.552 | 0.322 | 0.02 | 27.64 | 29.00 | 0.755 | Yes |
| Bottom Side | 10mm | 661/1880 | GPRS 2TS | 0.536 | 0.316 | 0.03 | 27.64 | 29.00 | 0.733 | Yes |

Table 165: Product Specific 10-g SAR test reduction evaluation of GSM1900

Note: According to the table above, Product Specific 10-g SAR test is not required for this frequency band.

7.2.3 SAR measurement Results of UMTS Band II

| Test Position of Head | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Left cheek | 9400/1880 | RMC | 0.233 | 0.113 | 0.14 | 17.54 | 18.50 | 0.291 | Battery 1# | / |
| Left tilt | 9400/1880 | RMC | 0.331 | 0.155 | 0.13 | 17.54 | 18.50 | 0.413 | Battery 1# | / |
| Right cheek | 9400/1880 | RMC | 0.297 | 0.144 | 0.12 | 17.54 | 18.50 | 0.370 | Battery 1# | / |
| Right tilt | 9400/1880 | RMC | 0.406 | 0.195 | 0.07 | 17.54 | 18.50 | 0.506 | Battery 1# | / |
| Right tilt | 9400/1880 | RMC | 0.409 | 0.197 | -0.07 | 17.54 | 18.50 | 0.510 | Battery 2# | / |
| Right tilt | 9262/1852.4 | RMC | 0.441 | 0.211 | 0.05 | 17.65 | 18.50 | 0.536 | Battery 2# | / |
| Right tilt | 9538/1907.6 | RMC | 0.443 | 0.212 | 0.05 | 17.62 | 18.50 | 0.543 | Battery 2# | Yes |
| Main Antenna | | | | | | | | | | |
| Left cheek | 9400/1880 | RMC | 0.137 | 0.079 | 0.15 | 23.77 | 25.00 | 0.182 | Battery 1# | / |
| Left tilt | 9400/1880 | RMC | 0.068 | 0.038 | 0.18 | 23.77 | 25.00 | 0.091 | Battery 1# | / |
| Right cheek | 9400/1880 | RMC | 0.144 | 0.091 | 0.04 | 23.77 | 25.00 | 0.191 | Battery 1# | / |
| Right tilt | 9400/1880 | RMC | 0.072 | 0.039 | 0.12 | 23.77 | 25.00 | 0.095 | Battery 1# | / |
| Right cheek | 9400/1880 | RMC | 0.160 | 0.101 | 0.10 | 23.77 | 25.00 | 0.212 | Battery 2# | / |
| Right cheek | 9262/1852.4 | RMC | 0.150 | 0.095 | -0.02 | 23.80 | 25.00 | 0.198 | Battery 2# | / |
| Right cheek | 9538/1907.6 | RMC | 0.175 | 0.109 | -0.01 | 23.94 | 25.00 | 0.223 | Battery 2# | / |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Right tilt | 9538/1907.6 | RMC | 0.420 | 0.199 | 0.05 | 17.62 | 18.50 | 0.514 | Battery 2# | / |
| Right tilt | 9538/1907.6 | RMC | 0.419 | 0.199 | 0.08 | 17.62 | 18.50 | 0.513 | With SIM2 | / |
| Main Antenna | | | | | | | | | | |
| Right cheek | 9538/1907.6 | RMC | 0.200 | 0.125 | -0.08 | 23.94 | 25.00 | 0.255 | Battery 2# | Yes |
| Right cheek | 9538/1907.6 | RMC | 0.152 | 0.100 | -0.03 | 23.94 | 25.00 | 0.194 | With SIM2 | / |

Table 166: Head SAR test results of UMTS Band II

| Test Position of Body-Worn | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 15mm | 9400/1880 | RMC | 0.080 | 0.045 | -0.15 | 22.54 | 23.50 | 0.100 | Battery 1# | / |
| Back Side | 15mm | 9400/1880 | RMC | 0.109 | 0.069 | -0.10 | 22.54 | 23.50 | 0.136 | Battery 1# | / |
| Back Side | 15mm | 9400/1880 | RMC | 0.118 | 0.074 | -0.11 | 22.54 | 23.50 | 0.147 | Battery 2# | / |
| Back Side | 15mm | 9262/1852.4 | RMC | 0.125 | 0.079 | 0.11 | 22.61 | 23.50 | 0.153 | Battery 2# | / |
| Back Side | 15mm | 9538/1907.6 | RMC | 0.108 | 0.062 | 0.11 | 22.63 | 23.50 | 0.132 | Battery 2# | / |
| Main Antenna | | | | | | | | | | | |
| Front Side | 15mm | 9400/1880 | RMC | 0.200 | 0.122 | -0.15 | 23.77 | 25.00 | 0.265 | Battery 1# | / |
| Back Side | 15mm | 9400/1880 | RMC | 0.285 | 0.190 | -0.17 | 23.77 | 25.00 | 0.378 | Battery 1# | / |
| Back Side | 15mm | 9400/1880 | RMC | 0.370 | 0.247 | 0.00 | 23.77 | 25.00 | 0.491 | Battery 2# | / |
| Back Side | 15mm | 9262/1852.4 | RMC | 0.357 | 0.239 | -0.08 | 23.80 | 25.00 | 0.471 | Battery 2# | / |
| Back Side | 15mm | 9538/1907.6 | RMC | 0.389 | 0.259 | -0.06 | 23.94 | 25.00 | 0.497 | Battery 2# | Yes |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Back Side | 15mm | 9262/1852.4 | RMC | 0.125 | 0.080 | -0.02 | 22.61 | 23.50 | 0.153 | Battery 2# | / |
| Back Side | 15mm | 9262/1852.4 | RMC | 0.152 | 0.097 | -0.01 | 22.61 | 23.50 | 0.187 | With SIM2 | Yes |
| Main Antenna | | | | | | | | | | | |
| Back Side | 15mm | 9538/1907.6 | RMC | 0.260 | 0.169 | -0.03 | 23.94 | 25.00 | 0.332 | Battery 2# | / |
| Back Side | 15mm | 9538/1907.6 | RMC | 0.383 | 0.251 | -0.05 | 23.94 | 25.00 | 0.489 | With SIM2 | / |

Table 167: Body Worn SAR test results of UMTS Band II

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 10mm | 9400/1880 | RMC | 0.088 | 0.047 | 0.03 | 19.52 | 20.50 | 0.110 | Battery 1# | / |
| Back Side | 10mm | 9400/1880 | RMC | 0.110 | 0.057 | -0.17 | 19.52 | 20.50 | 0.138 | Battery 1# | / |
| Left Side | 10mm | 9400/1880 | RMC | 0.022 | 0.012 | -0.14 | 19.52 | 20.50 | 0.027 | Battery 1# | / |
| Top Side | 10mm | 9400/1880 | RMC | 0.247 | 0.132 | 0.11 | 19.52 | 20.50 | 0.310 | Battery 1# | / |
| Top Side | 10mm | 9400/1880 | RMC | 0.203 | 0.104 | 0.03 | 19.52 | 20.50 | 0.254 | Battery 2# | / |
| Top Side | 10mm | 9262/1852.4 | RMC | 0.222 | 0.113 | 0.06 | 19.58 | 20.50 | 0.274 | Battery 1# | / |
| Top Side | 10mm | 9538/1907.6 | RMC | 0.237 | 0.121 | -0.01 | 19.49 | 20.50 | 0.299 | Battery 1# | / |
| Main Antenna | | | | | | | | | | | |
| Front Side | 10mm | 9400/1880 | RMC | 0.237 | 0.132 | -0.12 | 20.72 | 22.00 | 0.318 | Battery 1# | / |
| Back Side | 10mm | 9400/1880 | RMC | 0.170 | 0.095 | -0.14 | 20.72 | 22.00 | 0.228 | Battery 1# | / |
| Left Side | 10mm | 9400/1880 | RMC | 0.054 | 0.031 | 0.06 | 20.72 | 22.00 | 0.072 | Battery 1# | / |
| Right Side | 10mm | 9400/1880 | RMC | 0.089 | 0.050 | -0.16 | 20.72 | 22.00 | 0.120 | Battery 1# | / |
| Bottom Side | 10mm | 9400/1880 | RMC | 0.489 | 0.283 | -0.04 | 20.72 | 22.00 | 0.657 | Battery 1# | / |
| Bottom Side | 10mm | 9400/1880 | RMC | 0.454 | 0.245 | 0.01 | 20.72 | 22.00 | 0.610 | Battery 2# | / |
| Bottom Side | 10mm | 9262/1852.4 | RMC | 0.511 | 0.296 | -0.09 | 20.77 | 22.00 | 0.678 | Battery 1# | / |
| Bottom Side | 10mm | 9538/1907.6 | RMC | 0.293 | 0.162 | -0.07 | 20.89 | 22.00 | 0.378 | Battery 1# | / |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Top Side | 10mm | 9400/1880 | RMC | 0.437 | 0.240 | 0.10 | 19.52 | 20.50 | 0.548 | Battery 1# | Yes |
| Top Side | 10mm | 9400/1880 | RMC | 0.279 | 0.152 | 0.17 | 19.52 | 20.50 | 0.350 | With SIM2 | / |
| Main Antenna | | | | | | | | | | | |
| Bottom Side | 10mm | 9262/1852.4 | RMC | 0.549 | 0.321 | 0.06 | 20.77 | 22.00 | 0.729 | Battery 1# | / |
| Bottom Side | 10mm | 9262/1852.4 | RMC | 0.565 | 0.329 | -0.06 | 20.77 | 22.00 | 0.750 | With SIM2 | Yes |

Table 168: Hotspot SAR test results of UMTS Band II

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Max Power Without Reduction | Scaled-up 1-g SAR (W/kg) | Product Specific 10-g SAR Exclusion |
|---|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|-----------------------------|--------------------------|-------------------------------------|
| | | | | 1-g | 10-g | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Front Side | 10mm | 9400/1880 | RMC | 0.088 | 0.047 | 0.03 | 19.52 | 23.50 | 0.219 | Yes |
| Back Side | 10mm | 9400/1880 | RMC | 0.110 | 0.057 | -0.17 | 19.52 | 23.50 | 0.275 | Yes |
| Left Side | 10mm | 9400/1880 | RMC | 0.022 | 0.012 | -0.14 | 19.52 | 23.50 | 0.055 | Yes |
| Top Side | 10mm | 9400/1880 | RMC | 0.247 | 0.132 | 0.11 | 19.52 | 23.50 | 0.618 | Yes |
| Top Side | 10mm | 9400/1880 | RMC | 0.203 | 0.104 | 0.03 | 19.52 | 23.50 | 0.508 | Yes |
| Top Side | 10mm | 9262/1852.4 | RMC | 0.222 | 0.113 | 0.06 | 19.58 | 23.50 | 0.547 | Yes |
| Top Side | 10mm | 9538/1907.6 | RMC | 0.237 | 0.121 | -0.01 | 19.49 | 23.50 | 0.597 | Yes |
| Main Antenna | | | | | | | | | | |
| Front Side | 10mm | 9400/1880 | RMC | 0.237 | 0.132 | -0.12 | 20.72 | 25.00 | 0.635 | Yes |
| Back Side | 10mm | 9400/1880 | RMC | 0.170 | 0.095 | -0.14 | 20.72 | 25.00 | 0.455 | Yes |
| Left Side | 10mm | 9400/1880 | RMC | 0.054 | 0.031 | 0.06 | 20.72 | 25.00 | 0.144 | Yes |
| Right Side | 10mm | 9400/1880 | RMC | 0.089 | 0.050 | -0.16 | 20.72 | 25.00 | 0.239 | Yes |
| Bottom Side | 10mm | 9400/1880 | RMC | 0.489 | 0.283 | -0.04 | 20.72 | 25.00 | 1.310 | No |
| Bottom Side | 10mm | 9400/1880 | RMC | 0.454 | 0.245 | 0.01 | 20.72 | 25.00 | 1.216 | No |
| Bottom Side | 10mm | 9262/1852.4 | RMC | 0.511 | 0.296 | -0.09 | 20.77 | 25.00 | 1.353 | No |
| Bottom Side | 10mm | 9538/1907.6 | RMC | 0.293 | 0.162 | -0.07 | 20.89 | 25.00 | 0.755 | Yes |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Top Side | 10mm | 9400/1880 | RMC | 0.437 | 0.240 | 0.10 | 19.52 | 23.50 | 1.093 | Yes |
| Top Side | 10mm | 9400/1880 | RMC | 0.279 | 0.152 | 0.17 | 19.52 | 23.50 | 0.698 | Yes |
| Main Antenna | | | | | | | | | | |
| Bottom Side | 10mm | 9262/1852.4 | RMC | 0.549 | 0.321 | 0.06 | 20.77 | 25.00 | 1.454 | No |
| Bottom Side | 10mm | 9262/1852.4 | RMC | 0.565 | 0.329 | -0.06 | 20.77 | 25.00 | 1.496 | No |

Table 169: Product Specific 10-g SAR test reduction evaluation of UMTS Band II

Note: According to the table above, only Bottom side is required for Product Specific 10-g SAR test in this frequency band.

| Product Specific 10-g SAR | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 10-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|-----------------------------|-----------|--------------------|-------|---------------------|-----------------------------|---------------------------|--------------------------------|--------------------------|--------------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Main Antenna | | | | | | | | | | | |
| Bottom Side | 0mm | 9400/1880 | RMC | 4.600 | 1.990 | -0.19 | 19.25 | 20.50 | 2.654 | Battery 1# | / |
| Bottom Side | 0mm | 9262/1852.4 | RMC | 3.640 | 1.490 | -0.19 | 19.32 | 20.50 | 1.955 | Battery 1# | / |
| Bottom Side | 0mm | 9538/1907.6 | RMC | 4.120 | 1.660 | -0.18 | 19.42 | 20.50 | 2.129 | Battery 1# | / |
| Bottom Side | 0mm | 9400/1880 | RMC | 4.830 | 2.030 | -0.14 | 19.25 | 20.50 | 2.707 | Battery 2# | / |
| Bottom Side repeat | 0mm | 9400/1880 | RMC | 4.860 | 2.040 | -0.19 | 19.25 | 20.50 | 2.720 | Battery 2# | Yes |
| Additional SAR test at a conservative distance(triggering distance minus 1mm) | | | | | | | | | | | |
| Bottom Side | 7mm | 9400/1880 | RMC | 1.670 | 0.830 | -0.19 | 23.77 | 25.00 | 1.102 | Battery 1# | / |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Main Antenna | | | | | | | | | | | |
| Bottom Side | 0mm | 9400/1880 | RMC | 4.660 | 2.010 | -0.10 | 19.25 | 20.50 | 2.680 | Battery 2# | / |

Table 170: Product Specific 10-g SAR test results of UMTS Band II

7.2.4 SAR measurement Results of UMTS Band IV

| Test Position of Head | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Left cheek | 1413/1732.6 | RMC | 0.284 | 0.133 | -0.11 | 17.38 | 18.50 | 0.368 | Battery 1# | / |
| Left tilt | 1413/1732.6 | RMC | 0.413 | 0.185 | 0.09 | 17.38 | 18.50 | 0.535 | Battery 1# | / |
| Right cheek | 1413/1732.6 | RMC | 0.257 | 0.138 | 0.03 | 17.38 | 18.50 | 0.333 | Battery 1# | / |
| Right tilt | 1413/1732.6 | RMC | 0.435 | 0.205 | 0.04 | 17.38 | 18.50 | 0.563 | Battery 1# | / |
| Right tilt | 1413/1732.6 | RMC | 0.428 | 0.201 | 0.06 | 17.38 | 18.50 | 0.554 | Battery 2# | / |
| Right tilt | 1312/1712.4 | RMC | 0.452 | 0.212 | 0.01 | 17.38 | 18.50 | 0.585 | Battery 1# | Yes |
| Right tilt | 1513/1752.6 | RMC | 0.415 | 0.194 | 0.01 | 17.32 | 18.50 | 0.545 | Battery 1# | / |
| Main Antenna | | | | | | | | | | |
| Left cheek | 1413/1732.6 | RMC | 0.294 | 0.187 | 0.14 | 23.98 | 25.00 | 0.372 | Battery 1# | Yes |
| Left tilt | 1413/1732.6 | RMC | 0.106 | 0.061 | 0.08 | 23.98 | 25.00 | 0.134 | Battery 1# | / |
| Right cheek | 1413/1732.6 | RMC | 0.234 | 0.154 | -0.19 | 23.98 | 25.00 | 0.296 | Battery 1# | / |
| Right tilt | 1413/1732.6 | RMC | 0.113 | 0.066 | 0.09 | 23.98 | 25.00 | 0.143 | Battery 1# | / |
| Left cheek | 1413/1732.6 | RMC | 0.240 | 0.157 | 0.05 | 23.98 | 25.00 | 0.304 | Battery 2# | / |
| Left cheek | 1312/1712.4 | RMC | 0.244 | 0.160 | 0.11 | 24.01 | 25.00 | 0.306 | Battery 1# | / |
| Left cheek | 1513/1752.6 | RMC | 0.232 | 0.151 | 0.14 | 23.87 | 25.00 | 0.301 | Battery 1# | / |
| Test at the best acoustic position | | | | | | | | | | |
| Left cheek | 1413/1732.6 | RMC | 0.279 | 0.179 | 0.10 | 23.98 | 25.00 | 0.353 | Battery 1# | / |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Right tilt | 1312/1712.4 | RMC | 0.413 | 0.190 | 0.07 | 17.38 | 18.50 | 0.535 | Battery 1# | / |
| Right tilt | 1312/1712.4 | RMC | 0.404 | 0.187 | -0.01 | 17.38 | 18.50 | 0.523 | With SIM2 | / |
| Main Antenna | | | | | | | | | | |
| Left cheek | 1413/1732.6 | RMC | 0.225 | 0.147 | 0.14 | 23.98 | 25.00 | 0.285 | Battery 1# | / |
| Left cheek | 1413/1732.6 | RMC | 0.221 | 0.144 | 0.16 | 23.98 | 25.00 | 0.280 | With SIM2 | / |

Table 171: Head SAR test results of UMTS Band IV

| Test Position of Body-Worn | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 15mm | 1413/1732.6 | RMC | 0.150 | 0.088 | -0.10 | 23.01 | 24.00 | 0.188 | Battery 1# | / |
| Back Side | 15mm | 1413/1732.6 | RMC | 0.153 | 0.091 | -0.05 | 23.01 | 24.00 | 0.192 | Battery 1# | Yes |
| Back Side | 15mm | 1413/1732.6 | RMC | 0.141 | 0.084 | -0.06 | 23.01 | 24.00 | 0.177 | Battery 2# | / |
| Back Side | 15mm | 1312/1712.4 | RMC | 0.131 | 0.076 | -0.11 | 23.02 | 24.00 | 0.164 | Battery 1# | / |
| Back Side | 15mm | 1513/1752.6 | RMC | 0.124 | 0.072 | -0.05 | 22.90 | 24.00 | 0.160 | Battery 1# | / |
| Main Antenna | | | | | | | | | | | |
| Front Side | 15mm | 1413/1732.6 | RMC | 0.424 | 0.279 | 0.00 | 23.98 | 25.00 | 0.536 | Battery 1# | / |
| Back Side | 15mm | 1413/1732.6 | RMC | 0.431 | 0.284 | 0.01 | 23.98 | 25.00 | 0.545 | Battery 1# | / |
| Back Side | 15mm | 1413/1732.6 | RMC | 0.454 | 0.301 | -0.03 | 23.98 | 25.00 | 0.574 | Battery 2# | / |
| Back Side | 15mm | 1312/1712.4 | RMC | 0.463 | 0.309 | -0.03 | 24.01 | 25.00 | 0.582 | Battery 2# | / |
| Back Side | 15mm | 1513/1752.6 | RMC | 0.463 | 0.304 | -0.11 | 23.87 | 25.00 | 0.601 | Battery 2# | / |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Back Side | 15mm | 1413/1732.6 | RMC | 0.127 | 0.072 | -0.11 | 23.01 | 24.00 | 0.160 | Battery 1# | / |
| Back Side | 15mm | 1413/1732.6 | RMC | 0.117 | 0.066 | -0.06 | 23.01 | 24.00 | 0.147 | With SIM2 | / |
| Main Antenna | | | | | | | | | | | |
| Back Side | 15mm | 1513/1752.6 | RMC | 0.493 | 0.315 | -0.04 | 23.87 | 25.00 | 0.640 | Battery 2# | / |
| Back Side | 15mm | 1513/1752.6 | RMC | 0.484 | 0.308 | -0.05 | 23.87 | 25.00 | 0.628 | With SIM2 | Yes |

Table 172: Body Worn SAR test results of UMTS Band IV

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 10mm | 1413/1732.6 | RMC | 0.121 | 0.066 | 0.00 | 20.00 | 21.00 | 0.152 | Battery 1# | / |
| Back Side | 10mm | 1413/1732.6 | RMC | 0.136 | 0.075 | -0.10 | 20.00 | 21.00 | 0.171 | Battery 1# | / |
| Left Side | 10mm | 1413/1732.6 | RMC | 0.029 | 0.017 | -0.14 | 20.00 | 21.00 | 0.036 | Battery 1# | / |
| Top Side | 10mm | 1413/1732.6 | RMC | 0.261 | 0.138 | 0.17 | 20.00 | 21.00 | 0.329 | Battery 1# | / |
| Top Side | 10mm | 1413/1732.6 | RMC | 0.253 | 0.135 | 0.14 | 20.00 | 21.00 | 0.319 | Battery 2# | / |
| Top Side | 10mm | 1312/1712.4 | RMC | 0.261 | 0.139 | 0.16 | 20.02 | 21.00 | 0.327 | Battery 1# | / |
| Top Side | 10mm | 1513/1752.6 | RMC | 0.271 | 0.144 | 0.15 | 19.90 | 21.00 | 0.349 | Battery 1# | Yes |
| Main Antenna | | | | | | | | | | | |
| Front Side | 10mm | 1413/1732.6 | RMC | 0.359 | 0.212 | 0.01 | 20.88 | 22.00 | 0.465 | Battery 1# | / |
| Back Side | 10mm | 1413/1732.6 | RMC | 0.339 | 0.190 | -0.12 | 20.88 | 22.00 | 0.439 | Battery 1# | / |
| Left Side | 10mm | 1413/1732.6 | RMC | 0.078 | 0.045 | 0.07 | 20.88 | 22.00 | 0.101 | Battery 1# | / |
| Right Side | 10mm | 1413/1732.6 | RMC | 0.147 | 0.082 | 0.10 | 20.88 | 22.00 | 0.190 | Battery 1# | / |
| Bottom Side | 10mm | 1413/1732.6 | RMC | 0.479 | 0.278 | 0.17 | 20.88 | 22.00 | 0.620 | Battery 1# | / |
| Bottom Side | 10mm | 1413/1732.6 | RMC | 0.532 | 0.310 | 0.19 | 20.88 | 22.00 | 0.689 | Battery 2# | / |
| Bottom Side | 10mm | 1312/1712.4 | RMC | 0.520 | 0.303 | -0.19 | 20.81 | 22.00 | 0.684 | Battery 2# | / |
| Bottom Side | 10mm | 1513/1752.6 | RMC | 0.538 | 0.312 | -0.09 | 20.79 | 22.00 | 0.711 | Battery 2# | / |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Top Side | 10mm | 1513/1752.6 | RMC | 0.261 | 0.134 | 0.05 | 19.90 | 21.00 | 0.336 | Battery 1# | / |
| Top Side | 10mm | 1513/1752.6 | RMC | 0.257 | 0.133 | 0.02 | 19.90 | 21.00 | 0.331 | With SIM2 | / |
| Main Antenna | | | | | | | | | | | |
| Bottom Side | 10mm | 1513/1752.6 | RMC | 0.644 | 0.361 | 0.01 | 20.79 | 22.00 | 0.851 | Battery 2# | Yes |
| Bottom Side | 10mm | 1513/1752.6 | RMC | 0.629 | 0.354 | -0.04 | 20.79 | 22.00 | 0.831 | With SIM2 | / |

Table 173: Hotspot SAR test results of UMTS Band IV

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Max Power Without Reduction | Scaled-up 1-g SAR (W/kg) | Product Specific 10-g SAR Exclusion |
|---|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|-----------------------------|--------------------------|-------------------------------------|
| | | | | 1-g | 10-g | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Front Side | 10mm | 1413/1732.6 | RMC | 0.121 | 0.066 | 0.00 | 20.00 | 24.00 | 0.304 | Yes |
| Back Side | 10mm | 1413/1732.6 | RMC | 0.136 | 0.075 | -0.10 | 20.00 | 24.00 | 0.342 | Yes |
| Left Side | 10mm | 1413/1732.6 | RMC | 0.029 | 0.017 | -0.14 | 20.00 | 24.00 | 0.073 | Yes |
| Top Side | 10mm | 1413/1732.6 | RMC | 0.261 | 0.138 | 0.17 | 20.00 | 24.00 | 0.656 | Yes |
| Top Side | 10mm | 1413/1732.6 | RMC | 0.253 | 0.135 | 0.14 | 20.00 | 24.00 | 0.636 | Yes |
| Top Side | 10mm | 1312/1712.4 | RMC | 0.261 | 0.139 | 0.16 | 20.02 | 24.00 | 0.653 | Yes |
| Top Side | 10mm | 1513/1752.6 | RMC | 0.271 | 0.144 | 0.15 | 19.90 | 24.00 | 0.697 | Yes |
| Main Antenna | | | | | | | | | | |
| Front Side | 10mm | 1413/1732.6 | RMC | 0.359 | 0.212 | 0.01 | 20.88 | 25.00 | 0.927 | Yes |
| Back Side | 10mm | 1413/1732.6 | RMC | 0.339 | 0.190 | -0.12 | 20.88 | 25.00 | 0.875 | Yes |
| Left Side | 10mm | 1413/1732.6 | RMC | 0.078 | 0.045 | 0.07 | 20.88 | 25.00 | 0.202 | Yes |
| Right Side | 10mm | 1413/1732.6 | RMC | 0.147 | 0.082 | 0.10 | 20.88 | 25.00 | 0.380 | Yes |
| Bottom Side | 10mm | 1413/1732.6 | RMC | 0.479 | 0.278 | 0.17 | 20.88 | 25.00 | 1.237 | No |
| Bottom Side | 10mm | 1413/1732.6 | RMC | 0.532 | 0.310 | 0.19 | 20.88 | 25.00 | 1.374 | No |
| Bottom Side | 10mm | 1312/1712.4 | RMC | 0.520 | 0.303 | -0.19 | 20.81 | 25.00 | 1.365 | No |
| Bottom Side | 10mm | 1513/1752.6 | RMC | 0.538 | 0.312 | -0.09 | 20.79 | 25.00 | 1.418 | No |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Top Side | 10mm | 1513/1752.6 | RMC | 0.261 | 0.134 | 0.05 | 19.90 | 24.00 | 0.697 | Yes |
| Top Side | 10mm | 1513/1752.6 | RMC | 0.257 | 0.133 | 0.02 | 19.90 | 24.00 | 0.697 | Yes |
| Main Antenna | | | | | | | | | | |
| Bottom Side | 10mm | 1513/1752.6 | RMC | 0.644 | 0.361 | 0.01 | 20.79 | 25.00 | 1.698 | No |
| Bottom Side | 10mm | 1513/1752.6 | RMC | 0.629 | 0.354 | -0.04 | 20.79 | 25.00 | 1.658 | No |

Table 174: Product Specific 10-g SAR test reduction evaluation of UMTS Band IV

Note: According to the table above, only Bottom side is required for Product Specific 10-g SAR test in this frequency band.

| Product Specific 10-g SAR | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 10-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|-----------------------------|-----------|--------------------|-------|---------------------|-----------------------------|---------------------------|--------------------------------|--------------------------|--------------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Main Antenna | | | | | | | | | | | |
| Bottom Side | 0mm | 1413/1732.6 | RMC | 4.270 | 1.800 | 0.01 | 22.48 | 23.50 | 2.277 | Battery 1# | / |
| Bottom Side | 0mm | 1312/1712.4 | RMC | 4.390 | 1.860 | 0.04 | 22.50 | 23.50 | 2.342 | Battery 1# | / |
| Bottom Side | 0mm | 1513/1752.6 | RMC | 4.160 | 1.750 | 0.03 | 22.35 | 23.50 | 2.281 | Battery 1# | / |
| Bottom Side | 0mm | 1312/1712.4 | RMC | 4.250 | 1.830 | -0.17 | 22.50 | 23.50 | 2.304 | Battery 2# | / |
| Additional SAR test at a conservative distance(triggering distance minus 1mm) | | | | | | | | | | | |
| Bottom Side | 7mm | 1413/1732.6 | RMC | 1.680 | 0.933 | -0.15 | 23.98 | 25.00 | 1.180 | Battery 1# | / |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Main Antenna | | | | | | | | | | | |
| Bottom Side | 0mm | 1312/1712.4 | RMC | 5.030 | 2.080 | -0.07 | 22.50 | 23.50 | 2.619 | Battery 1# | / |
| Bottom Side | 0mm | 1312/1712.4 | RMC | 5.130 | 2.090 | -0.10 | 22.50 | 23.50 | 2.631 | With SIM2 | Yes |
| Bottom Side repeat | 0mm | 1312/1712.4 | RMC | 4.850 | 2.000 | -0.11 | 22.50 | 23.50 | 2.518 | With SIM2 | / |

Table 175: Product Specific 10-g SAR test results of UMTS Band IV

7.2.5 SAR measurement Results of UMTS Band V

| Test Position of Head | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Left cheek | 4182/836.4 | RMC | 0.298 | 0.148 | 0.00 | 17.65 | 18.50 | 0.362 | Battery 1# | / |
| Left tilt | 4182/836.4 | RMC | 0.283 | 0.138 | 0.08 | 17.65 | 18.50 | 0.344 | Battery 1# | / |
| Right cheek | 4182/836.4 | RMC | 0.327 | 0.176 | 0.02 | 17.65 | 18.50 | 0.398 | Battery 1# | / |
| Right tilt | 4182/836.4 | RMC | 0.346 | 0.167 | -0.02 | 17.65 | 18.50 | 0.421 | Battery 1# | Yes |
| Right tilt | 4182/836.4 | RMC | 0.309 | 0.153 | -0.03 | 17.65 | 18.50 | 0.376 | Battery 2# | / |
| Right tilt | 4132/826.4 | RMC | 0.326 | 0.159 | 0.00 | 17.61 | 18.50 | 0.400 | Battery 1# | / |
| Right tilt | 4233/846.6 | RMC | 0.256 | 0.126 | 0.00 | 17.56 | 18.50 | 0.318 | Battery 1# | / |
| Main Antenna | | | | | | | | | | |
| Left cheek | 4182/836.4 | RMC | 0.105 | 0.081 | 0.11 | 23.52 | 25.00 | 0.148 | Battery 1# | / |
| Left tilt | 4182/836.4 | RMC | 0.072 | 0.054 | 0.18 | 23.52 | 25.00 | 0.101 | Battery 1# | / |
| Right cheek | 4182/836.4 | RMC | 0.143 | 0.110 | -0.06 | 23.52 | 25.00 | 0.201 | Battery 1# | / |
| Right tilt | 4182/836.4 | RMC | 0.059 | 0.041 | 0.01 | 23.52 | 25.00 | 0.084 | Battery 1# | / |
| Right cheek | 4182/836.4 | RMC | 0.150 | 0.115 | 0.18 | 23.52 | 25.00 | 0.211 | Battery 2# | / |
| Right cheek | 4132/826.4 | RMC | 0.144 | 0.111 | 0.14 | 23.70 | 25.00 | 0.194 | Battery 2# | / |
| Right cheek | 4233/846.6 | RMC | 0.155 | 0.119 | 0.04 | 23.40 | 25.00 | 0.224 | Battery 2# | Yes |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Right tilt | 4182/836.4 | RMC | 0.335 | 0.167 | 0.01 | 17.65 | 18.50 | 0.407 | Battery 1# | / |
| Right tilt | 4182/836.4 | RMC | 0.331 | 0.164 | 0.02 | 17.65 | 18.50 | 0.403 | With SIM2 | / |
| Main Antenna | | | | | | | | | | |
| Right cheek | 4233/846.6 | RMC | 0.144 | 0.112 | -0.05 | 23.40 | 25.00 | 0.208 | Battery 2# | / |
| Right cheek | 4233/846.6 | RMC | 0.121 | 0.095 | -0.03 | 23.40 | 25.00 | 0.175 | With SIM2 | / |

Table 176: Head SAR test results of UMTS Band V

| Test Position of Body-Worn | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 15mm | 4182/836.4 | RMC | 0.239 | 0.159 | -0.14 | 23.54 | 24.50 | 0.298 | Battery 1# | / |
| Back Side | 15mm | 4182/836.4 | RMC | 0.245 | 0.166 | -0.04 | 23.54 | 24.50 | 0.306 | Battery 1# | Yes |
| Back Side | 15mm | 4182/836.4 | RMC | 0.237 | 0.160 | -0.04 | 23.54 | 24.50 | 0.296 | Battery 2# | / |
| Back Side | 15mm | 4132/826.4 | RMC | 0.223 | 0.152 | -0.04 | 23.60 | 24.50 | 0.274 | Battery 1# | / |
| Back Side | 15mm | 4233/846.6 | RMC | 0.211 | 0.143 | -0.02 | 23.37 | 24.50 | 0.274 | Battery 1# | / |
| Main Antenna | | | | | | | | | | | |
| Front Side | 15mm | 4182/836.4 | RMC | 0.198 | 0.135 | -0.19 | 23.52 | 25.00 | 0.278 | Battery 1# | / |
| Back Side | 15mm | 4182/836.4 | RMC | 0.258 | 0.183 | -0.16 | 23.52 | 25.00 | 0.363 | Battery 1# | / |
| Back Side | 15mm | 4182/836.4 | RMC | 0.259 | 0.183 | -0.04 | 23.52 | 25.00 | 0.364 | Battery 2# | / |
| Back Side | 15mm | 4132/826.4 | RMC | 0.252 | 0.179 | -0.02 | 23.70 | 25.00 | 0.340 | Battery 2# | / |
| Back Side | 15mm | 4233/846.6 | RMC | 0.263 | 0.185 | -0.12 | 23.40 | 25.00 | 0.380 | Battery 2# | / |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Back Side | 15mm | 4182/836.4 | RMC | 0.242 | 0.164 | -0.02 | 23.54 | 24.50 | 0.302 | Battery 1# | / |
| Back Side | 15mm | 4182/836.4 | RMC | 0.216 | 0.147 | -0.01 | 23.54 | 24.50 | 0.269 | With SIM2 | / |
| Main Antenna | | | | | | | | | | | |
| Back Side | 15mm | 4233/846.6 | RMC | 0.270 | 0.190 | -0.17 | 23.40 | 25.00 | 0.390 | Battery 2# | Yes |
| Back Side | 15mm | 4233/846.6 | RMC | 0.261 | 0.184 | -0.03 | 23.40 | 25.00 | 0.377 | With SIM2 | / |

Table 177: Body Worn SAR test results of UMTS Band V

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 10mm | 4182/836.4 | RMC | 0.489 | 0.269 | -0.01 | 23.54 | 24.50 | 0.610 | Battery 1# | / |
| Back Side | 10mm | 4182/836.4 | RMC | 0.546 | 0.301 | -0.02 | 23.54 | 24.50 | 0.681 | Battery 1# | / |
| Left Side | 10mm | 4182/836.4 | RMC | 0.199 | 0.131 | -0.02 | 23.54 | 24.50 | 0.248 | Battery 1# | / |
| Top Side | 10mm | 4182/836.4 | RMC | 0.361 | 0.171 | 0.08 | 23.54 | 24.50 | 0.450 | Battery 1# | / |
| Back Side | 10mm | 4182/836.4 | RMC | 0.560 | 0.309 | -0.02 | 23.54 | 24.50 | 0.699 | Battery 2# | Yes |
| Back Side | 10mm | 4132/826.4 | RMC | 0.519 | 0.286 | -0.03 | 23.60 | 24.50 | 0.639 | Battery 2# | / |
| Back Side | 10mm | 4233/846.6 | RMC | 0.553 | 0.306 | -0.15 | 23.37 | 24.50 | 0.717 | Battery 2# | / |
| Main Antenna | | | | | | | | | | | |
| Front Side | 10mm | 4182/836.4 | RMC | 0.317 | 0.214 | -0.19 | 23.52 | 25.00 | 0.446 | Battery 1# | / |
| Back Side | 10mm | 4182/836.4 | RMC | 0.464 | 0.312 | -0.19 | 23.52 | 25.00 | 0.652 | Battery 1# | Yes |
| Left Side | 10mm | 4182/836.4 | RMC | 0.263 | 0.147 | -0.03 | 23.52 | 25.00 | 0.370 | Battery 1# | / |
| Right Side | 10mm | 4182/836.4 | RMC | 0.140 | 0.094 | -0.05 | 23.52 | 25.00 | 0.197 | Battery 1# | / |
| Bottom Side | 10mm | 4182/836.4 | RMC | 0.240 | 0.156 | -0.05 | 23.52 | 25.00 | 0.337 | Battery 1# | / |
| Back Side | 10mm | 4182/836.4 | RMC | 0.446 | 0.303 | 0.00 | 23.52 | 25.00 | 0.627 | Battery 2# | / |
| Back Side | 10mm | 4132/826.4 | RMC | 0.420 | 0.287 | -0.01 | 23.70 | 25.00 | 0.567 | Battery 1# | / |
| Back Side | 10mm | 4233/846.6 | RMC | 0.449 | 0.304 | -0.03 | 23.40 | 25.00 | 0.649 | Battery 1# | / |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Back Side | 10mm | 4233/846.6 | RMC | 0.446 | 0.247 | -0.05 | 23.37 | 24.50 | 0.579 | Battery 2# | / |
| Back Side | 10mm | 4233/846.6 | RMC | 0.419 | 0.233 | -0.06 | 23.37 | 24.50 | 0.544 | With SIM2 | / |
| Main Antenna | | | | | | | | | | | |
| Back Side | 10mm | 4182/836.4 | RMC | 0.428 | 0.292 | 0.00 | 23.52 | 25.00 | 0.602 | Battery 1# | / |
| Back Side | 10mm | 4182/836.4 | RMC | 0.413 | 0.283 | -0.03 | 23.52 | 25.00 | 0.581 | With SIM2 | / |

Table 178: Hotspot SAR test results of UMTS Band V

Note: Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.

7.2.6 SAR measurement Results of LTE Band 2

| Test Position of Head | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Left cheek | 18700/1860 | 20M QPSK 1RB#0 | 0.207 | 0.103 | 0.17 | 17.22 | 18.00 | 0.248 | Battery 1# | / |
| Left tilt | 18700/1860 | 20M QPSK 1RB#0 | 0.352 | 0.165 | -0.05 | 17.22 | 18.00 | 0.421 | Battery 1# | / |
| Right cheek | 18700/1860 | 20M QPSK 1RB#0 | 0.304 | 0.147 | 0.04 | 17.22 | 18.00 | 0.364 | Battery 1# | / |
| Right tilt | 18700/1860 | 20M QPSK 1RB#0 | 0.425 | 0.202 | 0.02 | 17.22 | 18.00 | 0.509 | Battery 1# | / |
| Left cheek | 19100/1900 | 20M QPSK 50%RB#50 | 0.218 | 0.107 | -0.09 | 16.97 | 18.00 | 0.276 | Battery 1# | / |
| Left tilt | 19100/1900 | 20M QPSK 50%RB#50 | 0.352 | 0.165 | 0.18 | 16.97 | 18.00 | 0.446 | Battery 1# | / |
| Right cheek | 19100/1900 | 20M QPSK 50%RB#50 | 0.269 | 0.130 | 0.17 | 16.97 | 18.00 | 0.341 | Battery 1# | / |
| Right tilt | 19100/1900 | 20M QPSK 50%RB#50 | 0.396 | 0.144 | 0.13 | 16.97 | 18.00 | 0.502 | Battery 1# | / |
| Right tilt | 18700/1860 | 20M QPSK 1RB#0 | 0.424 | 0.202 | 0.13 | 17.22 | 18.00 | 0.507 | Battery 2# | / |
| Right tilt | 18900/1880 | 20M QPSK 1RB#0 | 0.405 | 0.199 | 0.16 | 17.09 | 18.00 | 0.499 | Battery 1# | / |
| Right tilt | 19100/1900 | 20M QPSK 1RB#50 | 0.453 | 0.148 | 0.12 | 16.95 | 18.00 | 0.577 | Battery 1# | Yes |
| Main Antenna | | | | | | | | | | |
| Left cheek | 18700/1860 | 20M QPSK 1RB#99 | 0.137 | 0.078 | 0.14 | 23.33 | 24.50 | 0.179 | Battery 1# | / |
| Left tilt | 18700/1860 | 20M QPSK 1RB#99 | 0.086 | 0.050 | 0.05 | 23.33 | 24.50 | 0.112 | Battery 1# | / |
| Right cheek | 18700/1860 | 20M QPSK 1RB#99 | 0.210 | 0.131 | 0.13 | 23.33 | 24.50 | 0.275 | Battery 1# | Yes |
| Right tilt | 18700/1860 | 20M QPSK 1RB#99 | 0.078 | 0.043 | 0.10 | 23.33 | 24.50 | 0.101 | Battery 1# | / |
| Left cheek | 18700/1860 | 20M QPSK 50%RB#0 | 0.111 | 0.063 | 0.03 | 22.34 | 23.50 | 0.145 | Battery 1# | / |
| Left tilt | 18700/1860 | 20M QPSK 50%RB#0 | 0.066 | 0.037 | 0.19 | 22.34 | 23.50 | 0.087 | Battery 1# | / |
| Right cheek | 18700/1860 | 20M QPSK 50%RB#0 | 0.171 | 0.097 | 0.13 | 22.34 | 23.50 | 0.223 | Battery 1# | / |
| Right tilt | 18700/1860 | 20M QPSK 50%RB#0 | 0.066 | 0.036 | 0.16 | 22.34 | 23.50 | 0.086 | Battery 1# | / |
| Right cheek | 18700/1860 | 20M QPSK 1RB#99 | 0.178 | 0.109 | 0.00 | 23.33 | 24.50 | 0.233 | Battery 2# | / |
| Right cheek | 18900/1880 | 20M QPSK 1RB#0 | 0.163 | 0.100 | 0.13 | 23.08 | 24.50 | 0.226 | Battery 1# | / |
| Right cheek | 19100/1900 | 20M QPSK 1RB#0 | 0.175 | 0.110 | -0.10 | 23.24 | 24.50 | 0.234 | Battery 1# | / |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Right tilt | 19100/1900 | 20M QPSK 1RB#50 | 0.321 | 0.152 | 0.17 | 16.95 | 18.00 | 0.409 | Battery 1# | / |
| Right tilt | 19100/1900 | 20M QPSK 1RB#50 | 0.318 | 0.151 | 0.16 | 16.95 | 18.00 | 0.405 | With SIM2 | / |
| Main Antenna | | | | | | | | | | |
| Right cheek | 18700/1860 | 20M QPSK 1RB#99 | 0.203 | 0.125 | 0.15 | 23.33 | 24.50 | 0.266 | Battery 1# | / |
| Right cheek | 18700/1860 | 20M QPSK 1RB#99 | 0.178 | 0.111 | 0.07 | 23.33 | 24.50 | 0.233 | With SIM2 | / |

Table 179: Head SAR test results of LTE Band 2

| Test Position of Body-Worn | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 15mm | 18700/1860 | 20M QPSK 1RB#0 | 0.079 | 0.043 | -0.09 | 22.33 | 23.00 | 0.092 | Battery 1# | / |
| Back Side | 15mm | 18700/1860 | 20M QPSK 1RB#0 | 0.111 | 0.070 | 0.12 | 22.33 | 23.00 | 0.130 | Battery 1# | / |
| Front Side | 15mm | 18700/1860 | 20M QPSK 50%RB#25 | 0.074 | 0.040 | 0.14 | 21.56 | 22.50 | 0.092 | Battery 1# | / |
| Back Side | 15mm | 18700/1860 | 20M QPSK 50%RB#25 | 0.081 | 0.046 | 0.12 | 21.56 | 22.50 | 0.101 | Battery 1# | / |
| Back Side | 15mm | 18700/1860 | 20M QPSK 1RB#0 | 0.106 | 0.067 | -0.16 | 22.33 | 23.00 | 0.124 | Battery 2# | / |
| Back Side | 15mm | 18900/1880 | 20M QPSK 1RB#99 | 0.088 | 0.051 | 0.03 | 21.96 | 23.00 | 0.112 | Battery 1# | / |
| Back Side | 15mm | 19100/1900 | 20M QPSK 1RB#50 | 0.104 | 0.065 | -0.08 | 22.17 | 23.00 | 0.126 | Battery 1# | / |
| Main Antenna | | | | | | | | | | | |
| Front Side | 15mm | 18700/1860 | 20M QPSK 1RB#99 | 0.216 | 0.137 | -0.08 | 23.33 | 24.50 | 0.283 | Battery 1# | / |
| Back Side | 15mm | 18700/1860 | 20M QPSK 1RB#99 | 0.250 | 0.170 | -0.05 | 23.33 | 24.50 | 0.327 | Battery 1# | / |
| Front Side | 15mm | 18700/1860 | 20M QPSK 50%RB#0 | 0.164 | 0.094 | -0.14 | 22.34 | 23.50 | 0.214 | Battery 1# | / |
| Back Side | 15mm | 18700/1860 | 20M QPSK 50%RB#0 | 0.190 | 0.116 | -0.07 | 22.34 | 23.50 | 0.248 | Battery 1# | / |
| Back Side | 15mm | 18700/1860 | 20M QPSK 1RB#99 | 0.281 | 0.188 | -0.05 | 23.33 | 24.50 | 0.368 | Battery 2# | / |
| Back Side | 15mm | 18900/1880 | 20M QPSK 1RB#0 | 0.327 | 0.218 | -0.08 | 23.08 | 24.50 | 0.453 | Battery 2# | / |
| Back Side | 15mm | 19100/1900 | 20M QPSK 1RB#0 | 0.334 | 0.221 | -0.09 | 23.24 | 24.50 | 0.446 | Battery 2# | / |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Back Side | 15mm | 18700/1860 | 20M QPSK 1RB#0 | 0.116 | 0.077 | 0.09 | 22.33 | 23.00 | 0.135 | Battery 1# | Yes |
| Back Side | 15mm | 18700/1860 | 20M QPSK 1RB#0 | 0.108 | 0.071 | 0.05 | 22.33 | 23.00 | 0.126 | With SIM2 | / |
| Main Antenna | | | | | | | | | | | |
| Back Side | 15mm | 18900/1880 | 20M QPSK 1RB#0 | 0.341 | 0.233 | -0.17 | 23.08 | 24.50 | 0.473 | Battery 2# | / |
| Back Side | 15mm | 18900/1880 | 20M QPSK 1RB#0 | 0.369 | 0.244 | -0.13 | 23.08 | 24.50 | 0.512 | With SIM2 | Yes |

Table 180: Body Worn SAR test results of LTE Band 2

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 10mm | 18900/1880 | 20M QPSK 1RB#99 | 0.094 | 0.050 | 0.01 | 19.21 | 20.00 | 0.113 | Battery 1# | / |
| Back Side | 10mm | 18900/1880 | 20M QPSK 1RB#99 | 0.105 | 0.063 | 0.10 | 19.21 | 20.00 | 0.126 | Battery 1# | / |
| Left Side | 10mm | 18900/1880 | 20M QPSK 1RB#99 | 0.048 | 0.027 | 0.03 | 19.21 | 20.00 | 0.058 | Battery 1# | / |
| Top Side | 10mm | 18900/1880 | 20M QPSK 1RB#99 | 0.236 | 0.128 | -0.09 | 19.21 | 20.00 | 0.283 | Battery 1# | / |
| Front Side | 10mm | 18700/1860 | 20M QPSK 50%RB#25 | 0.097 | 0.050 | 0.01 | 19.17 | 20.00 | 0.118 | Battery 1# | / |
| Back Side | 10mm | 18700/1860 | 20M QPSK 50%RB#25 | 0.096 | 0.053 | 0.16 | 19.17 | 20.00 | 0.117 | Battery 1# | / |
| Left Side | 10mm | 18700/1860 | 20M QPSK 50%RB#25 | 0.023 | 0.013 | 0.08 | 19.17 | 20.00 | 0.028 | Battery 1# | / |
| Top Side | 10mm | 18700/1860 | 20M QPSK 50%RB#25 | 0.212 | 0.106 | -0.14 | 19.17 | 20.00 | 0.257 | Battery 1# | / |
| Top Side | 10mm | 18900/1880 | 20M QPSK 1RB#99 | 0.201 | 0.102 | -0.01 | 19.21 | 20.00 | 0.241 | Battery 2# | / |
| Top Side | 10mm | 18700/1860 | 20M QPSK 1RB#0 | 0.192 | 0.098 | -0.07 | 19.01 | 20.00 | 0.241 | Battery 1# | / |
| Top Side | 10mm | 19100/1900 | 20M QPSK 1RB#99 | 0.244 | 0.133 | 0.11 | 19.17 | 20.00 | 0.295 | Battery 1# | / |
| Main Antenna | | | | | | | | | | | |
| Front Side | 10mm | 18700/1860 | 20M QPSK 1RB#50 | 0.165 | 0.099 | -0.02 | 20.42 | 21.50 | 0.212 | Battery 1# | / |
| Back Side | 10mm | 18700/1860 | 20M QPSK 1RB#50 | 0.181 | 0.112 | -0.05 | 20.42 | 21.50 | 0.232 | Battery 1# | / |
| Left Side | 10mm | 18700/1860 | 20M QPSK 1RB#50 | 0.051 | 0.030 | -0.10 | 20.42 | 21.50 | 0.065 | Battery 1# | / |
| Right Side | 10mm | 18700/1860 | 20M QPSK 1RB#50 | 0.089 | 0.050 | -0.09 | 20.42 | 21.50 | 0.113 | Battery 1# | / |
| Bottom Side | 10mm | 18700/1860 | 20M QPSK 1RB#50 | 0.431 | 0.251 | -0.19 | 20.42 | 21.50 | 0.553 | Battery 1# | / |
| Front Side | 10mm | 18700/1860 | 20M QPSK 50%RB#25 | 0.168 | 0.100 | -0.01 | 20.36 | 21.50 | 0.218 | Battery 1# | / |
| Back Side | 10mm | 18700/1860 | 20M QPSK 50%RB#25 | 0.167 | 0.101 | -0.04 | 20.36 | 21.50 | 0.217 | Battery 1# | / |
| Left Side | 10mm | 18700/1860 | 20M QPSK 50%RB#25 | 0.053 | 0.033 | -0.09 | 20.36 | 21.50 | 0.069 | Battery 1# | / |
| Right Side | 10mm | 18700/1860 | 20M QPSK 50%RB#25 | 0.087 | 0.049 | -0.07 | 20.36 | 21.50 | 0.113 | Battery 1# | / |
| Bottom Side | 10mm | 18700/1860 | 20M QPSK 50%RB#25 | 0.418 | 0.221 | -0.13 | 20.36 | 21.50 | 0.543 | Battery 1# | / |
| Bottom Side | 10mm | 18700/1860 | 20M QPSK 1RB#50 | 0.428 | 0.249 | -0.06 | 20.42 | 21.50 | 0.549 | Battery 2# | / |
| Bottom Side | 10mm | 18900/1880 | 20M QPSK 1RB#99 | 0.456 | 0.264 | -0.13 | 20.35 | 21.50 | 0.594 | Battery 1# | / |
| Bottom Side | 10mm | 19100/1900 | 20M QPSK 1RB#0 | 0.455 | 0.263 | 0.02 | 20.31 | 21.50 | 0.598 | Battery 1# | / |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Top Side | 10mm | 19100/1900 | 20M QPSK 1RB#99 | 0.293 | 0.167 | -0.12 | 19.17 | 20.00 | 0.355 | Battery 1# | Yes |
| Top Side | 10mm | 19100/1900 | 20M QPSK 1RB#99 | 0.246 | 0.137 | 0.10 | 19.17 | 20.00 | 0.298 | With SIM2 | / |
| Main Antenna | | | | | | | | | | | |
| Bottom Side | 10mm | 19100/1900 | 20M QPSK 1RB#0 | 0.511 | 0.297 | 0.01 | 20.31 | 21.50 | 0.672 | Battery 1# | Yes |
| Bottom Side | 10mm | 19100/1900 | 20M QPSK 1RB#0 | 0.486 | 0.284 | -0.14 | 20.31 | 21.50 | 0.639 | With SIM2 | / |

Table 181: Hotspot SAR test results of LTE Band 2

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Max Power Without Reduction | Scaled-up 1-g SAR (W/kg) | Product Specific 10-g SAR Exclusion |
|---|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|-----------------------------|--------------------------|-------------------------------------|
| | | | | 1-g | 10-g | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Front Side | 10mm | 18900/1880 | 20M QPSK 1RB#99 | 0.094 | 0.050 | 0.01 | 19.21 | 23.00 | 0.225 | Yes |
| Back Side | 10mm | 18900/1880 | 20M QPSK 1RB#99 | 0.105 | 0.063 | 0.10 | 19.21 | 23.00 | 0.251 | Yes |
| Left Side | 10mm | 18900/1880 | 20M QPSK 1RB#99 | 0.048 | 0.027 | 0.03 | 19.21 | 23.00 | 0.115 | Yes |
| Top Side | 10mm | 18900/1880 | 20M QPSK 1RB#99 | 0.236 | 0.128 | -0.09 | 19.21 | 23.00 | 0.565 | Yes |
| Front Side | 10mm | 18700/1860 | 20M QPSK 50%RB#25 | 0.097 | 0.050 | 0.01 | 19.17 | 22.50 | 0.209 | Yes |
| Back Side | 10mm | 18700/1860 | 20M QPSK 50%RB#25 | 0.096 | 0.053 | 0.16 | 19.17 | 22.50 | 0.208 | Yes |
| Left Side | 10mm | 18700/1860 | 20M QPSK 50%RB#25 | 0.023 | 0.013 | 0.08 | 19.17 | 22.50 | 0.049 | Yes |
| Top Side | 10mm | 18700/1860 | 20M QPSK 50%RB#25 | 0.212 | 0.106 | -0.14 | 19.17 | 22.50 | 0.456 | Yes |
| Top Side | 10mm | 18900/1880 | 20M QPSK 1RB#99 | 0.201 | 0.102 | -0.01 | 19.21 | 23.00 | 0.481 | Yes |
| Top Side | 10mm | 18700/1860 | 20M QPSK 1RB#0 | 0.192 | 0.098 | -0.07 | 19.01 | 23.00 | 0.481 | Yes |
| Top Side | 10mm | 19100/1900 | 20M QPSK 1RB#99 | 0.244 | 0.133 | 0.11 | 19.17 | 23.00 | 0.589 | Yes |
| Main Antenna | | | | | | | | | | |
| Front Side | 10mm | 18700/1860 | 20M QPSK 1RB#50 | 0.165 | 0.099 | -0.02 | 20.42 | 24.50 | 0.422 | Yes |
| Back Side | 10mm | 18700/1860 | 20M QPSK 1RB#50 | 0.181 | 0.112 | -0.05 | 20.42 | 24.50 | 0.463 | Yes |
| Left Side | 10mm | 18700/1860 | 20M QPSK 1RB#50 | 0.051 | 0.030 | -0.10 | 20.42 | 24.50 | 0.130 | Yes |
| Right Side | 10mm | 18700/1860 | 20M QPSK 1RB#50 | 0.089 | 0.050 | -0.09 | 20.42 | 24.50 | 0.226 | Yes |
| Bottom Side | 10mm | 18700/1860 | 20M QPSK 1RB#50 | 0.431 | 0.251 | -0.19 | 20.42 | 24.50 | 1.103 | Yes |
| Front Side | 10mm | 18700/1860 | 20M QPSK 50%RB#25 | 0.168 | 0.100 | -0.01 | 20.36 | 23.50 | 0.346 | Yes |
| Back Side | 10mm | 18700/1860 | 20M QPSK 50%RB#25 | 0.167 | 0.101 | -0.04 | 20.36 | 23.50 | 0.344 | Yes |
| Left Side | 10mm | 18700/1860 | 20M QPSK 50%RB#25 | 0.053 | 0.033 | -0.09 | 20.36 | 23.50 | 0.109 | Yes |
| Right Side | 10mm | 18700/1860 | 20M QPSK 50%RB#25 | 0.087 | 0.049 | -0.07 | 20.36 | 23.50 | 0.179 | Yes |
| Bottom Side | 10mm | 18700/1860 | 20M QPSK 50%RB#25 | 0.418 | 0.221 | -0.13 | 20.36 | 23.50 | 0.861 | Yes |
| Bottom Side | 10mm | 18700/1860 | 20M QPSK 1RB#50 | 0.428 | 0.249 | -0.06 | 20.42 | 24.50 | 1.095 | Yes |
| Bottom Side | 10mm | 18900/1880 | 20M QPSK 1RB#99 | 0.456 | 0.264 | -0.13 | 20.35 | 24.50 | 1.186 | Yes |
| Bottom Side | 10mm | 19100/1900 | 20M QPSK 1RB#0 | 0.455 | 0.263 | 0.02 | 20.31 | 24.50 | 1.194 | Yes |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Top Side | 10mm | 19100/1900 | 20M QPSK 1RB#99 | 0.293 | 0.167 | -0.12 | 19.17 | 23.00 | 0.708 | Yes |
| Top Side | 10mm | 19100/1900 | 20M QPSK 1RB#99 | 0.246 | 0.137 | 0.10 | 19.17 | 23.00 | 0.594 | Yes |
| Main Antenna | | | | | | | | | | |
| Bottom Side | 10mm | 19100/1900 | 20M QPSK 1RB#0 | 0.511 | 0.297 | 0.01 | 20.31 | 24.50 | 1.341 | No |
| Bottom Side | 10mm | 19100/1900 | 20M QPSK 1RB#0 | 0.486 | 0.284 | -0.14 | 20.31 | 24.50 | 1.275 | No |

Table 182: Product Specific 10-g SAR test reduction evaluation of LTE Band 2

Note: According to the table above, only Bottom side is required for Product Specific 10-g SAR test in this frequency band.

| Product Specific 10-g SAR | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 10-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|-----------------------------|-------------------|--------------------|-------|---------------------|-----------------------------|---------------------------|--------------------------------|--------------------------|--------------|
| | | | | 1-g | 10-g | | | | | | |
| Test data of VOG-L29 | | | | | | | | | | | |
| Main Antenna | | | | | | | | | | | |
| Bottom Side | 0mm | 18700/1860 | 20M QPSK 1RB#99 | 5.040 | 2.150 | -0.18 | 22.44 | 23.50 | 2.744 | Battery 1# | Yes |
| Bottom Side | 0mm | 18900/1880 | 20M QPSK 1RB#50 | 4.530 | 1.810 | -0.13 | 22.14 | 23.50 | 2.476 | Battery 1# | / |
| Bottom Side | 0mm | 19100/1900 | 20M QPSK 1RB#99 | 4.680 | 1.840 | -0.18 | 22.22 | 23.50 | 2.471 | Battery 1# | / |
| Bottom Side | 0mm | 18700/1860 | 20M QPSK 50%RB#50 | 4.790 | 1.940 | 0.17 | 22.34 | 23.50 | 2.534 | Battery 1# | / |
| Bottom Side | 0mm | 18900/1880 | 20M QPSK 50%RB#25 | 4.740 | 1.910 | 0.15 | 22.02 | 23.50 | 2.686 | Battery 1# | / |
| Bottom Side | 0mm | 19100/1900 | 20M QPSK 50%RB#50 | 5.000 | 2.080 | 0.11 | 21.97 | 23.50 | 2.958 | Battery 1# | / |
| Bottom Side | 0mm | 18700/1860 | 20M QPSK 100%RB#0 | 4.710 | 1.910 | 0.10 | 22.12 | 23.50 | 2.624 | Battery 1# | / |
| Bottom Side | 0mm | 19100/1900 | 20M QPSK 50%RB#50 | 4.990 | 2.050 | 0.16 | 21.97 | 23.50 | 2.916 | Battery 2# | / |
| Bottom Side repeat | 0mm | 18700/1860 | 20M QPSK 1RB#99 | 4.590 | 1.920 | 0.10 | 22.44 | 23.50 | 2.451 | Battery 1# | / |
| Additional SAR test at a conservative distance(triggering distance minus 1mm) | | | | | | | | | | | |
| Bottom Side | 7mm | 18700/1860 | 20M QPSK 1RB#99 | 1.560 | 0.766 | -0.19 | 23.33 | 24.50 | 1.003 | Battery 1# | / |
| Bottom Side | 7mm | 18700/1860 | 20M QPSK 50%RB#0 | 1.250 | 0.617 | -0.11 | 22.34 | 23.50 | 0.806 | Battery 1# | / |

Table 183: Product Specific 10-g SAR test results of LTE Band 2

7.2.7 SAR measurement Results of LTE Band 4

| Test Position of Head | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot |
|---|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|----------|
| | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Left cheek | 20050/1720 | 20M QPSK 1RB#50 | 0.237 | 0.111 | -0.09 | 16.62 | 17.50 | 0.290 | Battery 1# | / |
| Left tilt | 20050/1720 | 20M QPSK 1RB#50 | 0.318 | 0.144 | 0.08 | 16.62 | 17.50 | 0.389 | Battery 1# | / |
| Right cheek | 20050/1720 | 20M QPSK 1RB#50 | 0.248 | 0.118 | -0.19 | 16.62 | 17.50 | 0.304 | Battery 1# | / |
| Right tilt | 20050/1720 | 20M QPSK 1RB#50 | 0.241 | 0.101 | 0.17 | 16.62 | 17.50 | 0.295 | Battery 1# | / |
| Left cheek | 20300/1745 | 20M QPSK 50%RB#25 | 0.251 | 0.117 | 0.14 | 16.51 | 17.50 | 0.315 | Battery 1# | / |
| Left tilt | 20300/1745 | 20M QPSK 50%RB#25 | 0.333 | 0.151 | 0.10 | 16.51 | 17.50 | 0.418 | Battery 1# | / |
| Right cheek | 20300/1745 | 20M QPSK 50%RB#25 | 0.264 | 0.126 | 0.07 | 16.51 | 17.50 | 0.332 | Battery 1# | / |
| Right tilt | 20300/1745 | 20M QPSK 50%RB#25 | 0.303 | 0.144 | 0.00 | 16.51 | 17.50 | 0.381 | Battery 1# | / |
| Left tilt | 20300/1745 | 20M QPSK 50%RB#25 | 0.330 | 0.150 | 0.06 | 16.51 | 17.50 | 0.414 | Battery 2# | / |
| Left tilt | 20050/1720 | 20M QPSK 50%RB#25 | 0.341 | 0.154 | 0.10 | 16.27 | 17.50 | 0.453 | Battery 1# | / |
| Left tilt | 20175/1732.5 | 20M QPSK 50%RB#25 | 0.352 | 0.158 | 0.12 | 16.42 | 17.50 | 0.451 | Battery 1# | Yes |
| Main Antenna | | | | | | | | | | |
| Left cheek | 20050/1720 | 20M QPSK 1RB#50 | 0.218 | 0.141 | -0.06 | 24.10 | 25.00 | 0.268 | Battery 1# | / |
| Left tilt | 20050/1720 | 20M QPSK 1RB#50 | 0.099 | 0.055 | 0.06 | 24.10 | 25.00 | 0.121 | Battery 1# | / |
| Right cheek | 20050/1720 | 20M QPSK 1RB#50 | 0.219 | 0.143 | 0.18 | 24.10 | 25.00 | 0.269 | Battery 1# | Yes |
| Right tilt | 20050/1720 | 20M QPSK 1RB#50 | 0.095 | 0.054 | -0.04 | 24.10 | 25.00 | 0.117 | Battery 1# | / |
| Left cheek | 20050/1720 | 20M QPSK 50%RB#0 | 0.187 | 0.112 | 0.11 | 22.79 | 24.00 | 0.247 | Battery 1# | / |
| Left tilt | 20050/1720 | 20M QPSK 50%RB#0 | 0.087 | 0.048 | 0.08 | 22.79 | 24.00 | 0.115 | Battery 1# | / |
| Right cheek | 20050/1720 | 20M QPSK 50%RB#0 | 0.172 | 0.114 | 0.19 | 22.79 | 24.00 | 0.227 | Battery 1# | / |
| Right tilt | 20050/1720 | 20M QPSK 50%RB#0 | 0.079 | 0.045 | 0.11 | 22.79 | 24.00 | 0.104 | Battery 1# | / |
| Right cheek | 20050/1720 | 20M QPSK 1RB#50 | 0.215 | 0.141 | 0.19 | 24.10 | 25.00 | 0.265 | Battery 2# | / |
| Right cheek | 20175/1732.5 | 20M QPSK 1RB#50 | 0.208 | 0.138 | 0.05 | 23.88 | 25.00 | 0.269 | Battery 1# | / |
| Right cheek | 20300/1745 | 20M QPSK 1RB#50 | 0.219 | 0.142 | 0.11 | 24.07 | 25.00 | 0.271 | Battery 1# | / |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Left tilt | 20050/1720 | 20M QPSK 50%RB#25 | 0.275 | 0.124 | 0.12 | 16.27 | 17.50 | 0.365 | Battery 1# | / |
| Left tilt | 20050/1720 | 20M QPSK 50%RB#25 | 0.257 | 0.116 | 0.01 | 16.27 | 17.50 | 0.341 | Battery 1# | / |
| Main Antenna | | | | | | | | | | |
| Right cheek | 20300/1745 | 20M QPSK 1RB#50 | 0.174 | 0.113 | 0.06 | 24.07 | 25.00 | 0.216 | Battery 1# | / |
| Right cheek | 20300/1745 | 20M QPSK 1RB#50 | 0.175 | 0.114 | 0.16 | 24.07 | 25.00 | 0.217 | Battery 1# | / |

Table 184: Head SAR test results of LTE Band 4

| Test Position of Body-Worn | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 15mm | 20175/1732.5 | 20M QPSK 1RB#99 | 0.152 | 0.090 | 0.07 | 22.91 | 24.00 | 0.195 | Battery 1# | / |
| Back Side | 15mm | 20175/1732.5 | 20M QPSK 1RB#99 | 0.175 | 0.105 | -0.01 | 22.91 | 24.00 | 0.225 | Battery 1# | Yes |
| Front Side | 15mm | 20300/1745 | 20M QPSK 50%RB#0 | 0.119 | 0.067 | 0.15 | 21.84 | 23.00 | 0.155 | Battery 1# | / |
| Back Side | 15mm | 20300/1745 | 20M QPSK 50%RB#0 | 0.133 | 0.073 | 0.01 | 21.84 | 23.00 | 0.174 | Battery 1# | / |
| Back Side | 15mm | 20175/1732.5 | 20M QPSK 1RB#99 | 0.142 | 0.085 | -0.17 | 22.91 | 24.00 | 0.183 | Battery 2# | / |
| Back Side | 15mm | 20050/1720 | 20M QPSK 1RB#99 | 0.148 | 0.089 | -0.02 | 22.72 | 24.00 | 0.199 | Battery 1# | / |
| Back Side | 15mm | 20300/1745 | 20M QPSK 1RB#0 | 0.166 | 0.100 | 0.06 | 22.79 | 24.00 | 0.219 | Battery 1# | / |
| Back Side | 15mm | 20175/1732.5 | 20M QPSK 1RB#99 | 0.111 | 0.068 | 0.06 | 22.91 | 24.00 | 0.143 | Battery 1# | / |
| Back Side | 15mm | 20175/1732.5 | 20M QPSK 1RB#99 | 0.111 | 0.068 | 0.06 | 22.91 | 24.00 | 0.143 | with Protected Cover | / |
| Main Antenna | | | | | | | | | | | |
| Front Side | 15mm | 20050/1720 | 20M QPSK 1RB#50 | 0.379 | 0.220 | 0.00 | 24.10 | 25.00 | 0.466 | Battery 1# | / |
| Back Side | 15mm | 20050/1720 | 20M QPSK 1RB#50 | 0.453 | 0.291 | -0.01 | 24.10 | 25.00 | 0.557 | Battery 1# | / |
| Front Side | 15mm | 20050/1720 | 20M QPSK 50%RB#0 | 0.263 | 0.158 | 0.09 | 22.79 | 24.00 | 0.348 | Battery 1# | / |
| Back Side | 15mm | 20050/1720 | 20M QPSK 50%RB#0 | 0.308 | 0.194 | 0.00 | 22.79 | 24.00 | 0.407 | Battery 1# | / |
| Back Side | 15mm | 20050/1720 | 20M QPSK 1RB#50 | 0.406 | 0.271 | 0.03 | 24.10 | 25.00 | 0.499 | Battery 2# | / |
| Back Side | 15mm | 20175/1732.5 | 20M QPSK 1RB#50 | 0.495 | 0.314 | -0.08 | 23.88 | 25.00 | 0.641 | Battery 1# | Yes |
| Back Side | 15mm | 20300/1745 | 20M QPSK 1RB#50 | 0.480 | 0.301 | -0.08 | 24.07 | 25.00 | 0.595 | Battery 1# | / |
| Back Side | 15mm | 20175/1732.5 | 20M QPSK 1RB#50 | 0.338 | 0.212 | 0.00 | 23.88 | 25.00 | 0.437 | with Protected Cover | / |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Back Side | 15mm | 20175/1732.5 | 20M QPSK 1RB#99 | 0.120 | 0.068 | -0.10 | 22.91 | 24.00 | 0.154 | Battery 1# | / |
| Back Side | 15mm | 20175/1732.5 | 20M QPSK 1RB#99 | 0.130 | 0.074 | -0.11 | 22.91 | 24.00 | 0.167 | With SIM2 | / |
| Main Antenna | | | | | | | | | | | |
| Back Side | 15mm | 20175/1732.5 | 20M QPSK 1RB#50 | 0.446 | 0.285 | -0.10 | 23.88 | 25.00 | 0.577 | Battery 1# | / |
| Back Side | 15mm | 20175/1732.5 | 20M QPSK 1RB#50 | 0.455 | 0.292 | -0.05 | 23.88 | 25.00 | 0.589 | With SIM2 | / |

Table 185: Body Worn SAR test results of LTE Band 4

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 10mm | 20300/1745 | 20M QPSK 1RB#99 | 0.099 | 0.049 | 0.13 | 20.20 | 21.00 | 0.119 | Battery 1# | / |
| Back Side | 10mm | 20300/1745 | 20M QPSK 1RB#99 | 0.156 | 0.082 | -0.04 | 20.20 | 21.00 | 0.188 | Battery 1# | / |
| Left Side | 10mm | 20300/1745 | 20M QPSK 1RB#99 | 0.036 | 0.022 | -0.02 | 20.20 | 21.00 | 0.043 | Battery 1# | / |
| Top Side | 10mm | 20300/1745 | 20M QPSK 1RB#99 | 0.380 | 0.203 | 0.14 | 20.20 | 21.00 | 0.457 | Battery 1# | Yes |
| Front Side | 10mm | 20300/1745 | 20M QPSK 50%RB#25 | 0.169 | 0.089 | 0.13 | 20.04 | 21.00 | 0.211 | Battery 1# | / |
| Back Side | 10mm | 20300/1745 | 20M QPSK 50%RB#25 | 0.170 | 0.095 | -0.11 | 20.04 | 21.00 | 0.212 | Battery 1# | / |
| Left Side | 10mm | 20300/1745 | 20M QPSK 50%RB#25 | 0.038 | 0.022 | -0.09 | 20.04 | 21.00 | 0.048 | Battery 1# | / |
| Top Side | 10mm | 20300/1745 | 20M QPSK 50%RB#25 | 0.376 | 0.203 | 0.10 | 20.04 | 21.00 | 0.469 | Battery 1# | / |
| Top Side | 10mm | 20300/1745 | 20M QPSK 50%RB#25 | 0.364 | 0.195 | 0.11 | 20.04 | 21.00 | 0.454 | Battery 2# | / |
| Top Side | 10mm | 20050/1720 | 20M QPSK 50%RB#0 | 0.350 | 0.188 | 0.14 | 19.92 | 21.00 | 0.449 | Battery 1# | / |
| Top Side | 10mm | 20175/1732.5 | 20M QPSK 50%RB#0 | 0.355 | 0.190 | 0.17 | 19.83 | 21.00 | 0.465 | Battery 1# | / |
| Main Antenna | | | | | | | | | | | |
| Front Side | 10mm | 20300/1745 | 20M QPSK 1RB#0 | 0.318 | 0.189 | 0.08 | 20.73 | 21.50 | 0.380 | Battery 1# | / |
| Back Side | 10mm | 20300/1745 | 20M QPSK 1RB#0 | 0.384 | 0.223 | 0.14 | 20.73 | 21.50 | 0.458 | Battery 1# | / |
| Left Side | 10mm | 20300/1745 | 20M QPSK 1RB#0 | 0.089 | 0.051 | -0.07 | 20.73 | 21.50 | 0.106 | Battery 1# | / |
| Right Side | 10mm | 20300/1745 | 20M QPSK 1RB#0 | 0.153 | 0.085 | -0.19 | 20.73 | 21.50 | 0.183 | Battery 1# | / |
| Bottom Side | 10mm | 20300/1745 | 20M QPSK 1RB#0 | 0.598 | 0.347 | -0.17 | 20.73 | 21.50 | 0.714 | Battery 1# | Yes |
| Front Side | 10mm | 20050/1720 | 20M QPSK 50%RB#50 | 0.328 | 0.196 | -0.17 | 20.43 | 21.50 | 0.420 | Battery 1# | / |
| Back Side | 10mm | 20050/1720 | 20M QPSK 50%RB#50 | 0.352 | 0.206 | -0.02 | 20.43 | 21.50 | 0.450 | Battery 1# | / |
| Left Side | 10mm | 20050/1720 | 20M QPSK 50%RB#50 | 0.083 | 0.048 | 0.04 | 20.43 | 21.50 | 0.106 | Battery 1# | / |
| Right Side | 10mm | 20050/1720 | 20M QPSK 50%RB#50 | 0.142 | 0.079 | -0.14 | 20.43 | 21.50 | 0.182 | Battery 1# | / |
| Bottom Side | 10mm | 20050/1720 | 20M QPSK 50%RB#50 | 0.580 | 0.335 | 0.02 | 20.43 | 21.50 | 0.742 | Battery 1# | / |
| Bottom Side | 10mm | 20050/1720 | 20M QPSK 50%RB#50 | 0.564 | 0.326 | -0.03 | 20.43 | 21.50 | 0.722 | Battery 2# | / |
| Bottom Side | 10mm | 20175/1732.5 | 20M QPSK 50%RB#50 | 0.563 | 0.327 | 0.05 | 20.37 | 21.50 | 0.730 | Battery 1# | / |
| Bottom Side | 10mm | 20300/1745 | 20M QPSK 50%RB#50 | 0.546 | 0.306 | -0.15 | 20.38 | 21.50 | 0.707 | Battery 1# | / |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Top Side | 10mm | 20300/1745 | 20M QPSK 50%RB#25 | 0.299 | 0.153 | 0.01 | 20.04 | 21.00 | 0.373 | Battery 1# | / |
| Top Side | 10mm | 20300/1745 | 20M QPSK 50%RB#25 | 0.277 | 0.141 | -0.08 | 20.04 | 21.00 | 0.346 | With SIM2 | / |
| Main Antenna | | | | | | | | | | | |
| Bottom Side | 10mm | 20050/1720 | 20M QPSK 50%RB#50 | 0.571 | 0.318 | -0.07 | 20.43 | 21.50 | 0.731 | Battery 1# | / |
| Bottom Side | 10mm | 20050/1720 | 20M QPSK 50%RB#50 | 0.559 | 0.314 | -0.04 | 20.43 | 21.50 | 0.715 | With SIM2 | / |

Table 186: Hotspot SAR test results of LTE Band 4

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Max Power Without Reduction | Scaled-up 1-g SAR (W/kg) | Product Specific 10-g SAR Exclusion |
|---|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|-----------------------------|--------------------------|-------------------------------------|
| | | | | 1-g | 10-g | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Front Side | 10mm | 20300/1745 | 20M QPSK 1RB#99 | 0.099 | 0.049 | 0.13 | 20.20 | 24.00 | 0.238 | Yes |
| Back Side | 10mm | 20300/1745 | 20M QPSK 1RB#99 | 0.156 | 0.082 | -0.04 | 20.20 | 24.00 | 0.374 | Yes |
| Left Side | 10mm | 20300/1745 | 20M QPSK 1RB#99 | 0.036 | 0.022 | -0.02 | 20.20 | 24.00 | 0.086 | Yes |
| Top Side | 10mm | 20300/1745 | 20M QPSK 1RB#99 | 0.380 | 0.203 | 0.14 | 20.20 | 24.00 | 0.912 | Yes |
| Front Side | 10mm | 20300/1745 | 20M QPSK 50%RB#25 | 0.169 | 0.089 | 0.13 | 20.04 | 23.00 | 0.334 | Yes |
| Back Side | 10mm | 20300/1745 | 20M QPSK 50%RB#25 | 0.170 | 0.095 | -0.11 | 20.04 | 23.00 | 0.336 | Yes |
| Left Side | 10mm | 20300/1745 | 20M QPSK 50%RB#25 | 0.038 | 0.022 | -0.09 | 20.04 | 23.00 | 0.076 | Yes |
| Top Side | 10mm | 20300/1745 | 20M QPSK 50%RB#25 | 0.376 | 0.203 | 0.10 | 20.04 | 23.00 | 0.743 | Yes |
| Top Side | 10mm | 20300/1745 | 20M QPSK 50%RB#25 | 0.364 | 0.195 | 0.11 | 20.04 | 23.00 | 0.720 | Yes |
| Top Side | 10mm | 20050/1720 | 20M QPSK 50%RB#0 | 0.350 | 0.188 | 0.14 | 19.92 | 23.00 | 0.711 | Yes |
| Top Side | 10mm | 20175/1732.5 | 20M QPSK 50%RB#0 | 0.355 | 0.190 | 0.17 | 19.83 | 23.00 | 0.737 | Yes |
| Main Antenna | | | | | | | | | | |
| Front Side | 10mm | 20300/1745 | 20M QPSK 1RB#0 | 0.318 | 0.189 | 0.08 | 20.73 | 25.00 | 0.850 | Yes |
| Back Side | 10mm | 20300/1745 | 20M QPSK 1RB#0 | 0.384 | 0.223 | 0.14 | 20.73 | 25.00 | 1.026 | Yes |
| Left Side | 10mm | 20300/1745 | 20M QPSK 1RB#0 | 0.089 | 0.051 | -0.07 | 20.73 | 25.00 | 0.237 | Yes |
| Right Side | 10mm | 20300/1745 | 20M QPSK 1RB#0 | 0.153 | 0.085 | -0.19 | 20.73 | 25.00 | 0.409 | Yes |
| Bottom Side | 10mm | 20300/1745 | 20M QPSK 1RB#0 | 0.598 | 0.347 | -0.17 | 20.73 | 25.00 | 1.598 | No |
| Front Side | 10mm | 20050/1720 | 20M QPSK 50%RB#50 | 0.328 | 0.196 | -0.17 | 20.43 | 24.00 | 0.746 | Yes |
| Back Side | 10mm | 20050/1720 | 20M QPSK 50%RB#50 | 0.352 | 0.206 | -0.02 | 20.43 | 24.00 | 0.801 | Yes |
| Left Side | 10mm | 20050/1720 | 20M QPSK 50%RB#50 | 0.083 | 0.048 | 0.04 | 20.43 | 24.00 | 0.189 | Yes |
| Right Side | 10mm | 20050/1720 | 20M QPSK 50%RB#50 | 0.142 | 0.079 | -0.14 | 20.43 | 24.00 | 0.323 | Yes |
| Bottom Side | 10mm | 20050/1720 | 20M QPSK 50%RB#50 | 0.580 | 0.335 | 0.02 | 20.43 | 24.00 | 1.320 | No |
| Bottom Side | 10mm | 20050/1720 | 20M QPSK 50%RB#50 | 0.564 | 0.326 | -0.03 | 20.43 | 24.00 | 1.283 | No |
| Bottom Side | 10mm | 20175/1732.5 | 20M QPSK 50%RB#50 | 0.563 | 0.327 | 0.05 | 20.37 | 24.00 | 1.299 | No |
| Bottom Side | 10mm | 20300/1745 | 20M QPSK 50%RB#50 | 0.546 | 0.306 | -0.15 | 20.38 | 24.00 | 1.257 | No |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Top Side | 10mm | 20300/1745 | 20M QPSK 50%RB#25 | 0.299 | 0.153 | 0.01 | 20.04 | 23.00 | 0.591 | Yes |
| Top Side | 10mm | 20300/1745 | 20M QPSK 50%RB#25 | 0.277 | 0.141 | -0.08 | 20.04 | 23.00 | 0.548 | Yes |
| Main Antenna | | | | | | | | | | |
| Bottom Side | 10mm | 20050/1720 | 20M QPSK 50%RB#50 | 0.571 | 0.318 | -0.07 | 20.43 | 24.00 | 1.299 | No |
| Bottom Side | 10mm | 20050/1720 | 20M QPSK 50%RB#50 | 0.559 | 0.314 | -0.04 | 20.43 | 24.00 | 1.272 | No |

Table 187: Product Specific 10-g SAR test reduction evaluation of LTE Band 4

Note: According to the table above, only Bottom side is required for Product Specific 10-g SAR test in this frequency band.

| Product Specific 10-g SAR | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 10-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|-----------------------------|-------------------|--------------------|-------|---------------------|-----------------------------|---------------------------|--------------------------------|--------------------------|--------------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Main Antenna | | | | | | | | | | | |
| Bottom Side | 0mm | 20050/1720 | 20M QPSK 1RB#0 | 4.190 | 1.840 | -0.14 | 22.05 | 23.00 | 2.290 | Battery 1# | / |
| Bottom Side | 0mm | 20175/1732.5 | 20M QPSK 1RB#99 | 4.220 | 1.870 | -0.14 | 22.04 | 23.00 | 2.333 | Battery 1# | / |
| Bottom Side | 0mm | 20300/1745 | 20M QPSK 1RB#99 | 4.050 | 1.790 | -0.14 | 21.98 | 23.00 | 2.264 | Battery 1# | / |
| Bottom Side | 0mm | 20050/1720 | 20M QPSK 50%RB#0 | 4.230 | 1.840 | -0.15 | 21.92 | 23.00 | 2.359 | Battery 1# | / |
| Bottom Side | 0mm | 20175/1732.5 | 20M QPSK 50%RB#50 | 4.190 | 1.840 | -0.13 | 21.82 | 23.00 | 2.414 | Battery 1# | / |
| Bottom Side | 0mm | 20300/1745 | 20M QPSK 50%RB#50 | 4.010 | 1.770 | 0.14 | 21.91 | 23.00 | 2.275 | Battery 1# | / |
| Bottom Side | 0mm | 20175/1732.5 | 20M QPSK 100%RB#0 | 4.310 | 1.900 | 0.14 | 21.80 | 23.00 | 2.505 | Battery 1# | Yes |
| Bottom Side | 0mm | 20175/1732.5 | 20M QPSK 100%RB#0 | 4.180 | 1.850 | -0.13 | 21.80 | 23.00 | 2.439 | Battery 2# | / |
| Additional SAR test at a conservative distance(triggering distance minus 1mm) | | | | | | | | | | | |
| Bottom Side | 7mm | 20050/1720 | 20M QPSK 1RB#50 | 1.870 | 1.030 | 0.03 | 24.10 | 25.00 | 1.267 | Battery 1# | / |
| Bottom Side | 7mm | 20050/1720 | 20M QPSK 50%RB#0 | 1.480 | 0.824 | -0.06 | 22.79 | 24.00 | 1.089 | Battery 1# | / |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Main Antenna | | | | | | | | | | | |
| Bottom Side | 0mm | 20175/1732.5 | 20M QPSK 100%RB#0 | 4.320 | 1.750 | -0.12 | 21.80 | 23.00 | 2.307 | Battery 1# | / |
| Bottom Side | 0mm | 20175/1732.5 | 20M QPSK 100%RB#0 | 4.410 | 1.810 | -0.12 | 21.80 | 23.00 | 2.386 | With SIM2 | / |

Table 188: Product Specific 10-g SAR test results of LTE Band 4

7.2.8 SAR measurement Results of LTE Band 5

| Test Position of Head | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Left cheek | 20600/844 | 10M QPSK 1RB#49 | 0.303 | 0.152 | 0.08 | 17.94 | 18.50 | 0.345 | Battery 1# | / |
| Left tilt | 20600/844 | 10M QPSK 1RB#49 | 0.276 | 0.134 | -0.11 | 17.94 | 18.50 | 0.314 | Battery 1# | / |
| Right cheek | 20600/844 | 10M QPSK 1RB#49 | 0.282 | 0.155 | 0.00 | 17.94 | 18.50 | 0.321 | Battery 1# | / |
| Right tilt | 20600/844 | 10M QPSK 1RB#49 | 0.268 | 0.117 | 0.01 | 17.94 | 18.50 | 0.305 | Battery 1# | / |
| Left cheek | 20600/844 | 10M QPSK 50%RB#25 | 0.339 | 0.166 | 0.15 | 17.86 | 18.50 | 0.393 | Battery 1# | Yes |
| Left tilt | 20600/844 | 10M QPSK 50%RB#25 | 0.272 | 0.132 | 0.00 | 17.86 | 18.50 | 0.315 | Battery 1# | / |
| Right cheek | 20600/844 | 10M QPSK 50%RB#25 | 0.301 | 0.164 | -0.03 | 17.86 | 18.50 | 0.349 | Battery 1# | / |
| Right tilt | 20600/844 | 10M QPSK 50%RB#25 | 0.273 | 0.135 | -0.05 | 17.86 | 18.50 | 0.316 | Battery 1# | / |
| Left cheek | 20600/844 | 10M QPSK 50%RB#25 | 0.337 | 0.163 | -0.19 | 17.86 | 18.50 | 0.391 | Battery 2# | / |
| Left cheek | 20450/829 | 10M QPSK 50%RB#0 | 0.301 | 0.150 | -0.09 | 17.84 | 18.50 | 0.350 | Battery 1# | / |
| Left cheek | 20525/836.5 | 10M QPSK 50%RB#25 | 0.319 | 0.158 | 0.13 | 17.79 | 18.50 | 0.376 | Battery 1# | / |
| Main Antenna | | | | | | | | | | |
| Left cheek | 20450/829 | 10M QPSK 1RB#25 | 0.113 | 0.078 | -0.09 | 23.92 | 25.00 | 0.145 | Battery 1# | / |
| Left tilt | 20450/829 | 10M QPSK 1RB#25 | 0.084 | 0.057 | -0.01 | 23.92 | 25.00 | 0.108 | Battery 1# | / |
| Right cheek | 20450/829 | 10M QPSK 1RB#25 | 0.146 | 0.114 | 0.10 | 23.92 | 25.00 | 0.187 | Battery 1# | / |
| Right tilt | 20450/829 | 10M QPSK 1RB#25 | 0.066 | 0.046 | 0.02 | 23.92 | 25.00 | 0.085 | Battery 1# | / |
| Left cheek | 20450/829 | 10M QPSK 50%RB#0 | 0.095 | 0.066 | 0.18 | 22.99 | 24.00 | 0.120 | Battery 1# | / |
| Left tilt | 20450/829 | 10M QPSK 50%RB#0 | 0.067 | 0.047 | -0.03 | 22.99 | 24.00 | 0.085 | Battery 1# | / |
| Right cheek | 20450/829 | 10M QPSK 50%RB#0 | 0.110 | 0.086 | -0.11 | 22.99 | 24.00 | 0.139 | Battery 1# | / |
| Right tilt | 20450/829 | 10M QPSK 50%RB#0 | 0.056 | 0.043 | 0.16 | 22.99 | 24.00 | 0.070 | Battery 1# | / |
| Right cheek | 20450/829 | 10M QPSK 1RB#25 | 0.152 | 0.118 | 0.03 | 23.92 | 25.00 | 0.195 | Battery 2# | / |
| Right cheek | 20525/836.5 | 10M QPSK 1RB#49 | 0.146 | 0.113 | 0.15 | 23.77 | 25.00 | 0.194 | Battery 2# | / |
| Right cheek | 20600/844 | 10M QPSK 1RB#0 | 0.153 | 0.118 | 0.10 | 23.68 | 25.00 | 0.207 | Battery 2# | Yes |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Left cheek | 20600/844 | 10M QPSK 50%RB#25 | 0.327 | 0.162 | 0.03 | 17.86 | 18.50 | 0.379 | Battery 1# | / |
| Left cheek | 20600/844 | 10M QPSK 50%RB#25 | 0.312 | 0.156 | 0.10 | 17.86 | 18.50 | 0.362 | With SIM2 | / |
| Main Antenna | | | | | | | | | | |
| Right cheek | 20600/844 | 10M QPSK 1RB#0 | 0.147 | 0.115 | -0.02 | 23.68 | 25.00 | 0.199 | Battery 2# | / |
| Right cheek | 20600/844 | 10M QPSK 1RB#0 | 0.128 | 0.101 | -0.06 | 23.68 | 25.00 | 0.173 | With SIM2 | / |

Table 189: Head SAR test results of LTE Band 5

| Test Position of Body-Worn | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 15mm | 20450/829 | 10M QPSK 1RB#49 | 0.246 | 0.164 | -0.01 | 23.81 | 24.50 | 0.288 | Battery 1# | / |
| Back Side | 15mm | 20450/829 | 10M QPSK 1RB#49 | 0.246 | 0.149 | -0.14 | 23.81 | 24.50 | 0.288 | Battery 1# | / |
| Front Side | 15mm | 20450/829 | 10M QPSK 50%RB#0 | 0.185 | 0.123 | -0.03 | 22.86 | 23.50 | 0.214 | Battery 1# | / |
| Back Side | 15mm | 20450/829 | 10M QPSK 50%RB#0 | 0.169 | 0.114 | -0.03 | 22.86 | 23.50 | 0.196 | Battery 1# | / |
| Front Side | 15mm | 20450/829 | 10M QPSK 1RB#49 | 0.229 | 0.153 | -0.06 | 23.81 | 24.50 | 0.268 | Battery 2# | / |
| Front Side | 15mm | 20525/836.5 | 10M QPSK 1RB#49 | 0.261 | 0.171 | -0.03 | 23.56 | 24.50 | 0.324 | Battery 1# | Yes |
| Front Side | 15mm | 20600/844 | 10M QPSK 1RB#49 | 0.251 | 0.165 | -0.02 | 23.53 | 24.50 | 0.314 | Battery 1# | / |
| Main Antenna | | | | | | | | | | | |
| Front Side | 15mm | 20450/829 | 10M QPSK 1RB#25 | 0.217 | 0.148 | -0.05 | 23.92 | 25.00 | 0.278 | Battery 1# | / |
| Back Side | 15mm | 20450/829 | 10M QPSK 1RB#25 | 0.275 | 0.194 | -0.01 | 23.92 | 25.00 | 0.353 | Battery 1# | / |
| Front Side | 15mm | 20450/829 | 10M QPSK 50%RB#0 | 0.164 | 0.112 | -0.05 | 22.99 | 24.00 | 0.207 | Battery 1# | / |
| Back Side | 15mm | 20450/829 | 10M QPSK 50%RB#0 | 0.201 | 0.136 | 0.01 | 22.99 | 24.00 | 0.254 | Battery 1# | / |
| Back Side | 15mm | 20450/829 | 10M QPSK 1RB#25 | 0.285 | 0.170 | -0.15 | 23.92 | 25.00 | 0.365 | Battery 2# | / |
| Back Side | 15mm | 20525/836.5 | 10M QPSK 1RB#49 | 0.271 | 0.190 | -0.07 | 23.77 | 25.00 | 0.360 | Battery 2# | / |
| Back Side | 15mm | 20600/844 | 10M QPSK 1RB#0 | 0.292 | 0.205 | 0.05 | 23.68 | 25.00 | 0.396 | Battery 2# | Yes |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 15mm | 20525/836.5 | 10M QPSK 1RB#49 | 0.241 | 0.160 | -0.12 | 23.56 | 24.50 | 0.299 | Battery 1# | / |
| Front Side | 15mm | 20525/836.5 | 10M QPSK 1RB#49 | 0.241 | 0.159 | 0.02 | 23.56 | 24.50 | 0.299 | With SIM2 | / |
| Main Antenna | | | | | | | | | | | |
| Back Side | 15mm | 20600/844 | 10M QPSK 1RB#0 | 0.283 | 0.198 | 0.16 | 23.68 | 25.00 | 0.384 | Battery 2# | / |
| Back Side | 15mm | 20600/844 | 10M QPSK 1RB#0 | 0.283 | 0.199 | -0.02 | 23.68 | 25.00 | 0.384 | With SIM2 | / |

Table 190: Body Worn SAR test results of LTE Band 5

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 10mm | 20450/829 | 10M QPSK 1RB#49 | 0.482 | 0.265 | -0.01 | 23.81 | 24.50 | 0.565 | Battery 1# | / |
| Back Side | 10mm | 20450/829 | 10M QPSK 1RB#49 | 0.464 | 0.258 | -0.19 | 23.81 | 24.50 | 0.544 | Battery 1# | / |
| Left Side | 10mm | 20450/829 | 10M QPSK 1RB#49 | 0.214 | 0.130 | 0.00 | 23.81 | 24.50 | 0.251 | Battery 1# | / |
| Top Side | 10mm | 20450/829 | 10M QPSK 1RB#49 | 0.326 | 0.158 | -0.10 | 23.81 | 24.50 | 0.382 | Battery 1# | / |
| Front Side | 10mm | 20450/829 | 10M QPSK 50%RB#0 | 0.486 | 0.295 | -0.01 | 22.86 | 23.50 | 0.563 | Battery 1# | / |
| Back Side | 10mm | 20450/829 | 10M QPSK 50%RB#0 | 0.389 | 0.226 | -0.04 | 22.86 | 23.50 | 0.451 | Battery 1# | / |
| Left Side | 10mm | 20450/829 | 10M QPSK 50%RB#0 | 0.162 | 0.108 | 0.02 | 22.86 | 23.50 | 0.188 | Battery 1# | / |
| Top Side | 10mm | 20450/829 | 10M QPSK 50%RB#0 | 0.217 | 0.106 | 0.07 | 22.86 | 23.50 | 0.251 | Battery 1# | / |
| Front Side | 10mm | 20450/829 | 10M QPSK 1RB#49 | 0.549 | 0.297 | 0.00 | 23.81 | 24.50 | 0.644 | Battery 2# | / |
| Front Side | 10mm | 20525/836.5 | 10M QPSK 1RB#49 | 0.544 | 0.295 | -0.14 | 23.56 | 24.50 | 0.675 | Battery 2# | / |
| Front Side | 10mm | 20600/844 | 10M QPSK 1RB#49 | 0.572 | 0.307 | -0.12 | 23.53 | 24.50 | 0.715 | Battery 2# | Yes |
| Main Antenna | | | | | | | | | | | |
| Front Side | 10mm | 20450/829 | 10M QPSK 1RB#25 | 0.368 | 0.221 | -0.02 | 23.92 | 25.00 | 0.472 | Battery 1# | / |
| Back Side | 10mm | 20450/829 | 10M QPSK 1RB#25 | 0.430 | 0.293 | -0.19 | 23.92 | 25.00 | 0.551 | Battery 1# | / |
| Left Side | 10mm | 20450/829 | 10M QPSK 1RB#25 | 0.255 | 0.133 | -0.09 | 23.92 | 25.00 | 0.327 | Battery 1# | / |
| Right Side | 10mm | 20450/829 | 10M QPSK 1RB#25 | 0.138 | 0.093 | -0.05 | 23.92 | 25.00 | 0.177 | Battery 1# | / |
| Bottom Side | 10mm | 20450/829 | 10M QPSK 1RB#25 | 0.286 | 0.175 | -0.02 | 23.92 | 25.00 | 0.367 | Battery 1# | / |
| Front Side | 10mm | 20450/829 | 10M QPSK 50%RB#0 | 0.239 | 0.163 | 0.00 | 22.99 | 24.00 | 0.302 | Battery 1# | / |
| Back Side | 10mm | 20450/829 | 10M QPSK 50%RB#0 | 0.337 | 0.215 | -0.02 | 22.99 | 24.00 | 0.425 | Battery 1# | / |
| Left Side | 10mm | 20450/829 | 10M QPSK 50%RB#0 | 0.193 | 0.100 | -0.04 | 22.99 | 24.00 | 0.244 | Battery 1# | / |
| Right Side | 10mm | 20450/829 | 10M QPSK 50%RB#0 | 0.106 | 0.071 | -0.04 | 22.99 | 24.00 | 0.134 | Battery 1# | / |
| Bottom Side | 10mm | 20450/829 | 10M QPSK 50%RB#0 | 0.228 | 0.139 | -0.02 | 22.99 | 24.00 | 0.288 | Battery 1# | / |
| Back Side | 10mm | 20450/829 | 10M QPSK 1RB#25 | 0.433 | 0.294 | 0.06 | 23.92 | 25.00 | 0.555 | Battery 2# | / |
| Back Side | 10mm | 20525/836.5 | 10M QPSK 1RB#49 | 0.410 | 0.279 | 0.17 | 23.77 | 25.00 | 0.544 | Battery 2# | / |
| Back Side | 10mm | 20600/844 | 10M QPSK 1RB#0 | 0.432 | 0.292 | -0.02 | 23.68 | 25.00 | 0.585 | Battery 2# | / |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 10mm | 20600/844 | 10M QPSK 1RB#49 | 0.429 | 0.233 | -0.17 | 23.53 | 24.50 | 0.536 | Battery 2# | / |
| Front Side | 10mm | 20600/844 | 10M QPSK 1RB#49 | 0.462 | 0.250 | 0.03 | 23.53 | 24.50 | 0.578 | With SIM2 | / |
| Main Antenna | | | | | | | | | | | |
| Back Side | 10mm | 20600/844 | 10M QPSK 1RB#0 | 0.450 | 0.296 | -0.01 | 23.68 | 25.00 | 0.610 | Battery 2# | / |
| Back Side | 10mm | 20600/844 | 10M QPSK 1RB#0 | 0.454 | 0.310 | -0.02 | 23.68 | 25.00 | 0.615 | With SIM2 | Yes |

Table 191: Hotspot SAR test results of LTE Band 5

Note: Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.

7.2.9 SAR measurement Results of LTE Band 7

| Test Position of Head | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|-----------------------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | 1-g | 10-g | | | | | | |
| Second Antenna | | | | | | | | | | |
| Left cheek | 21350/2560 | 20M QPSK 1RB#50 | 0.159 | 0.079 | 0.06 | 15.18 | 15.50 | 0.171 | Battery 1# | / |
| Left tilt | 21350/2560 | 20M QPSK 1RB#50 | 0.158 | 0.078 | 0.07 | 15.18 | 15.50 | 0.170 | Battery 1# | / |
| Right cheek | 21350/2560 | 20M QPSK 1RB#50 | 0.254 | 0.117 | 0.16 | 15.18 | 15.50 | 0.273 | Battery 1# | / |
| Right tilt | 21350/2560 | 20M QPSK 1RB#50 | 0.379 | 0.165 | -0.01 | 15.18 | 15.50 | 0.408 | Battery 1# | / |
| Left cheek | 21350/2560 | 20M QPSK 50%RB#0 | 0.135 | 0.068 | -0.12 | 15.14 | 15.50 | 0.147 | Battery 1# | / |
| Left tilt | 21350/2560 | 20M QPSK 50%RB#0 | 0.166 | 0.081 | 0.08 | 15.14 | 15.50 | 0.180 | Battery 1# | / |
| Right cheek | 21350/2560 | 20M QPSK 50%RB#0 | 0.268 | 0.126 | 0.04 | 15.14 | 15.50 | 0.291 | Battery 1# | / |
| Right tilt | 21350/2560 | 20M QPSK 50%RB#0 | 0.339 | 0.147 | 0.01 | 15.14 | 15.50 | 0.368 | Battery 1# | / |
| Right tilt | 21350/2560 | 20M QPSK 1RB#50 | 0.348 | 0.151 | 0.14 | 15.18 | 15.50 | 0.375 | Battery 2# | / |
| Right tilt | 21350/2560 | 20M QPSK 1RB#50 | 0.363 | 0.158 | 0.18 | 15.18 | 15.50 | 0.391 | With SIM2 | / |
| Right tilt | 20850/2510 | 20M QPSK 1RB#50 | 0.424 | 0.186 | -0.09 | 15.17 | 15.50 | 0.457 | Battery 1# | Yes |
| Right tilt | 21100/2535 | 20M QPSK 1RB#99 | 0.395 | 0.172 | -0.05 | 14.95 | 15.50 | 0.448 | Battery 1# | / |
| Right tilt | 21100/2535(PCC) | 20M QPSK 1RB#0 | 0.343 | 0.156 | 0.05 | 14.61 | 15.50 | 0.421 | Battery 1# | / |
| | 20902/2515.2(SCC) | 20M QPSK 1RB#99 | | | | | | | | |
| Main Antenna | | | | | | | | | | |
| Left cheek | 21350/2560 | 20M QPSK 1RB#50 | 0.105 | 0.059 | 0.12 | 24.13 | 24.50 | 0.114 | Battery 1# | / |
| Left tilt | 21350/2560 | 20M QPSK 1RB#50 | 0.083 | 0.040 | -0.10 | 24.13 | 24.50 | 0.091 | Battery 1# | / |
| Right cheek | 21350/2560 | 20M QPSK 1RB#50 | 0.183 | 0.098 | 0.04 | 24.13 | 24.50 | 0.199 | Battery 1# | / |
| Right tilt | 21350/2560 | 20M QPSK 1RB#50 | 0.177 | 0.090 | 0.02 | 24.13 | 24.50 | 0.193 | Battery 1# | / |
| Left cheek | 21350/2560 | 20M QPSK 50%RB#50 | 0.078 | 0.040 | 0.04 | 22.83 | 23.50 | 0.091 | Battery 1# | / |
| Left tilt | 21350/2560 | 20M QPSK 50%RB#50 | 0.069 | 0.031 | 0.13 | 22.83 | 23.50 | 0.080 | Battery 1# | / |
| Right cheek | 21350/2560 | 20M QPSK 50%RB#50 | 0.147 | 0.079 | -0.08 | 22.83 | 23.50 | 0.172 | Battery 1# | / |
| Right tilt | 21350/2560 | 20M QPSK 50%RB#50 | 0.027 | 0.012 | 0.05 | 22.83 | 23.50 | 0.031 | Battery 1# | / |
| Right cheek | 21350/2560 | 20M QPSK 1RB#50 | 0.177 | 0.096 | 0.18 | 24.13 | 24.50 | 0.193 | Battery 2# | / |
| Right cheek | 21350/2560 | 20M QPSK 1RB#50 | 0.175 | 0.094 | 0.13 | 24.13 | 24.50 | 0.191 | With SIM2 | / |
| Right cheek | 20850/2510 | 20M QPSK 1RB#99 | 0.195 | 0.105 | 0.06 | 23.65 | 24.50 | 0.237 | Battery 1# | Yes |
| Right cheek | 21100/2535 | 20M QPSK 1RB#99 | 0.192 | 0.103 | 0.05 | 24.01 | 24.50 | 0.215 | Battery 1# | / |
| Right cheek | 21100/2535(PCC) | 20M QPSK 1RB#99 | 0.162 | 0.090 | 0.11 | 23.52 | 24.50 | 0.203 | Battery 1# | / |
| | 21298/2554.8(SCC) | 20M QPSK 1RB#0 | | | | | | | | |

Table 192: Head SAR test results of LTE Band 7

| Test Position of Body-Worn | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|----------------------------|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 15mm | 21350/2560 | 20M QPSK 1RB#0 | 0.072 | 0.040 | -0.13 | 20.14 | 20.50 | 0.078 | Battery 1# | / |
| Back Side | 15mm | 21350/2560 | 20M QPSK 1RB#0 | 0.182 | 0.103 | 0.10 | 20.14 | 20.50 | 0.198 | Battery 1# | / |
| Front Side | 15mm | 20850/2510 | 20M QPSK 50%RB#0 | 0.084 | 0.046 | 0.06 | 20.01 | 20.50 | 0.094 | Battery 1# | / |
| Back Side | 15mm | 20850/2510 | 20M QPSK 50%RB#0 | 0.190 | 0.109 | -0.02 | 20.01 | 20.50 | 0.213 | Battery 1# | / |
| Back Side | 15mm | 20850/2510 | 20M QPSK 50%RB#0 | 0.154 | 0.079 | 0.12 | 20.01 | 20.50 | 0.172 | Battery 2# | / |
| Back Side | 15mm | 20850/2510 | 20M QPSK 50%RB#0 | 0.214 | 0.122 | 0.15 | 20.01 | 20.50 | 0.240 | With SIM2 | Yes |
| Back Side | 15mm | 21100/2535 | 20M QPSK 50%RB#25 | 0.211 | 0.120 | 0.19 | 19.86 | 20.50 | 0.245 | With SIM2 | / |
| Back Side | 15mm | 21350/2560 | 20M QPSK 50%RB#0 | 0.208 | 0.114 | 0.10 | 19.99 | 20.50 | 0.234 | With SIM2 | / |
| Back Side | 15mm | 21100/2535(PCC) | 20M QPSK 1RB#99 | 0.194 | 0.096 | 0.00 | 19.74 | 20.50 | 0.231 | With SIM2 | / |
| | | 21298/2554.8(SCC) | 20M QPSK 1RB#0 | | | | | | | | |
| Main Antenna | | | | | | | | | | | |
| Front Side | 15mm | 21350/2560 | 20M QPSK 1RB#50 | 0.244 | 0.133 | -0.08 | 24.13 | 24.50 | 0.266 | Battery 1# | / |
| Back Side | 15mm | 21350/2560 | 20M QPSK 1RB#50 | 0.325 | 0.181 | 0.13 | 24.13 | 24.50 | 0.354 | Battery 1# | / |
| Front Side | 15mm | 21350/2560 | 20M QPSK 50%RB#50 | 0.150 | 0.081 | -0.14 | 22.83 | 23.50 | 0.175 | Battery 1# | / |
| Back Side | 15mm | 21350/2560 | 20M QPSK 50%RB#50 | 0.218 | 0.113 | 0.15 | 22.83 | 23.50 | 0.254 | Battery 1# | / |
| Back Side | 15mm | 21350/2560 | 20M QPSK 1RB#50 | 0.373 | 0.226 | 0.13 | 24.13 | 24.50 | 0.406 | Battery 2# | / |
| Back Side | 15mm | 21350/2560 | 20M QPSK 1RB#50 | 0.349 | 0.213 | 0.05 | 24.13 | 24.50 | 0.380 | With SIM2 | / |
| Back Side | 15mm | 20850/2510 | 20M QPSK 1RB#99 | 0.184 | 0.099 | 0.11 | 23.65 | 24.50 | 0.224 | Battery 2# | / |
| Back Side | 15mm | 21100/2535 | 20M QPSK 1RB#99 | 0.265 | 0.133 | 0.13 | 24.01 | 24.50 | 0.297 | Battery 2# | / |
| Back Side | 15mm | 21100/2535(PCC) | 20M QPSK 1RB#99 | 0.393 | 0.226 | 0.18 | 23.52 | 24.50 | 0.492 | Battery 2# | Yes |
| | | 21298/2554.8(SCC) | 20M QPSK 1RB#0 | | | | | | | | |

Table 193: Body Worn SAR test results of LTE Band 7

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 10mm | 21350/2560 | 20M QPSK 1RB#0 | 0.076 | 0.040 | 0.05 | 18.29 | 18.50 | 0.080 | Battery 1# | / |
| Back Side | 10mm | 21350/2560 | 20M QPSK 1RB#0 | 0.283 | 0.144 | 0.13 | 18.29 | 18.50 | 0.297 | Battery 1# | / |
| Left Side | 10mm | 21350/2560 | 20M QPSK 1RB#0 | 0.037 | 0.013 | 0.10 | 18.29 | 18.50 | 0.038 | Battery 1# | / |
| Top Side | 10mm | 21350/2560 | 20M QPSK 1RB#0 | 0.246 | 0.131 | -0.01 | 18.29 | 18.50 | 0.258 | Battery 1# | / |
| Front Side | 10mm | 21350/2560 | 20M QPSK 50%RB#50 | 0.067 | 0.035 | 0.11 | 18.18 | 18.50 | 0.072 | Battery 1# | / |
| Back Side | 10mm | 21350/2560 | 20M QPSK 50%RB#50 | 0.162 | 0.079 | -0.11 | 18.18 | 18.50 | 0.174 | Battery 1# | / |
| Left Side | 10mm | 21350/2560 | 20M QPSK 50%RB#50 | 0.030 | 0.012 | 0.09 | 18.18 | 18.50 | 0.033 | Battery 1# | / |
| Top Side | 10mm | 21350/2560 | 20M QPSK 50%RB#50 | 0.206 | 0.103 | -0.09 | 18.18 | 18.50 | 0.222 | Battery 1# | / |
| Back Side | 10mm | 21350/2560 | 20M QPSK 1RB#0 | 0.265 | 0.136 | 0.13 | 18.29 | 18.50 | 0.278 | Battery 2# | / |
| Back Side | 10mm | 21350/2560 | 20M QPSK 1RB#0 | 0.251 | 0.130 | 0.18 | 18.29 | 18.50 | 0.263 | With SIM2 | / |
| Back Side | 10mm | 20850/2510 | 20M QPSK 1RB#50 | 0.197 | 0.096 | -0.04 | 18.22 | 18.50 | 0.210 | Battery 1# | / |
| Back Side | 10mm | 21100/2535 | 20M QPSK 1RB#50 | 0.248 | 0.129 | 0.18 | 18.01 | 18.50 | 0.278 | Battery 1# | / |
| Back Side | 10mm | 21100/2535 | 20M QPSK 1RB#0 | 0.306 | 0.124 | 0.18 | 17.78 | 18.50 | 0.361 | Battery 1# | Yes |
| | | 20902/2515.2 | 20M QPSK 1RB#99 | | | | | | | | |
| Main Antenna | | | | | | | | | | | |
| Front Side | 10mm | 21350/2560 | 20M QPSK 1RB#99 | 0.237 | 0.122 | -0.08 | 21.17 | 21.50 | 0.256 | Battery 1# | / |
| Back Side | 10mm | 21350/2560 | 20M QPSK 1RB#99 | 0.329 | 0.166 | 0.09 | 21.17 | 21.50 | 0.355 | Battery 1# | / |
| Left Side | 10mm | 21350/2560 | 20M QPSK 1RB#99 | 0.077 | 0.046 | 0.17 | 21.17 | 21.50 | 0.083 | Battery 1# | / |
| Right Side | 10mm | 21350/2560 | 20M QPSK 1RB#99 | 0.089 | 0.048 | 0.02 | 21.17 | 21.50 | 0.096 | Battery 1# | / |
| Bottom Side | 10mm | 21350/2560 | 20M QPSK 1RB#99 | 0.435 | 0.225 | 0.02 | 18.71 | 19.00 | 0.465 | Battery 1# | / |
| Front Side | 10mm | 21350/2560 | 20M QPSK 50%RB#0 | 0.340 | 0.181 | -0.10 | 20.96 | 21.50 | 0.385 | Battery 1# | / |
| Back Side | 10mm | 21350/2560 | 20M QPSK 50%RB#0 | 0.367 | 0.181 | 0.00 | 20.96 | 21.50 | 0.416 | Battery 1# | / |
| Left Side | 10mm | 21350/2560 | 20M QPSK 50%RB#0 | 0.058 | 0.034 | 0.13 | 20.96 | 21.50 | 0.065 | Battery 1# | / |
| Right Side | 10mm | 21350/2560 | 20M QPSK 50%RB#0 | 0.060 | 0.032 | 0.14 | 20.96 | 21.50 | 0.068 | Battery 1# | / |
| Bottom Side | 10mm | 21350/2560 | 20M QPSK 50%RB#25 | 0.421 | 0.217 | 0.12 | 18.45 | 19.00 | 0.478 | Battery 1# | / |
| Bottom Side | 10mm | 21350/2560 | 20M QPSK 1RB#99 | 0.606 | 0.314 | -0.07 | 18.71 | 19.00 | 0.648 | Battery 2# | Yes |
| Bottom Side | 10mm | 21350/2560 | 20M QPSK 1RB#99 | 0.343 | 0.168 | 0.11 | 18.71 | 19.00 | 0.367 | With SIM2 | / |
| Bottom Side | 10mm | 20850/2510 | 20M QPSK 1RB#50 | 0.594 | 0.311 | 0.04 | 18.22 | 19.00 | 0.711 | Battery 2# | / |
| Bottom Side | 10mm | 21100/2535 | 20M QPSK 1RB#50 | 0.584 | 0.303 | 0.09 | 18.51 | 19.00 | 0.654 | Battery 2# | / |
| Bottom Side | 10mm | 21350/2560 | 20M QPSK 1RB#0 | 0.452 | 0.237 | 0.00 | 18.34 | 19.00 | 0.526 | Battery 2# | / |
| | | 21152/2540.2 | 20M QPSK 1RB#99 | | | | | | | | |
| Additional SAR test at a conservative distance(triggering distance minus 1mm) | | | | | | | | | | | |
| Bottom Side | 12mm | 21350/2560 | 20M QPSK 1RB#99 | 0.501 | 0.268 | 0.16 | 21.17 | 21.50 | 0.541 | Battery 2# | / |
| Bottom Side | 12mm | 21350/2560 | 20M QPSK 50%RB#0 | 0.484 | 0.260 | 0.06 | 20.96 | 21.50 | 0.548 | Battery 2# | / |
| Bottom Side | 12mm | 21100/2535 | 20M QPSK 1RB#0 | 0.440 | 0.217 | 0.01 | 20.47 | 21.50 | 0.558 | Battery 2# | / |
| | | 20902/2515.2 | 20M QPSK 1RB#99 | | | | | | | | |

Table 194: Hotspot SAR test results of LTE Band 7

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Max Power Without Reduction | Scaled-up 1-g SAR (W/kg) | Product Specific 10-g SAR Exclusion |
|---|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|-----------------------------|--------------------------|-------------------------------------|
| | | | | 1-g | 10-g | | | | | |
| Second Antenna | | | | | | | | | | |
| Front Side | 10mm | 21350/2560 | 20M QPSK 1RB#0 | 0.076 | 0.040 | 0.05 | 18.29 | 20.50 | 0.127 | Yes |
| Back Side | 10mm | 21350/2560 | 20M QPSK 1RB#0 | 0.283 | 0.144 | 0.13 | 18.29 | 20.50 | 0.471 | Yes |
| Left Side | 10mm | 21350/2560 | 20M QPSK 1RB#0 | 0.037 | 0.013 | 0.10 | 18.29 | 20.50 | 0.061 | Yes |
| Top Side | 10mm | 21350/2560 | 20M QPSK 1RB#0 | 0.246 | 0.131 | -0.01 | 18.29 | 20.50 | 0.409 | Yes |
| Front Side | 10mm | 21350/2560 | 20M QPSK 50%RB#50 | 0.067 | 0.035 | 0.11 | 18.18 | 20.50 | 0.114 | Yes |
| Back Side | 10mm | 21350/2560 | 20M QPSK 50%RB#50 | 0.162 | 0.079 | -0.11 | 18.18 | 20.50 | 0.276 | Yes |
| Left Side | 10mm | 21350/2560 | 20M QPSK 50%RB#50 | 0.030 | 0.012 | 0.09 | 18.18 | 20.50 | 0.052 | Yes |
| Top Side | 10mm | 21350/2560 | 20M QPSK 50%RB#50 | 0.206 | 0.103 | -0.09 | 18.18 | 20.50 | 0.351 | Yes |
| Back Side | 10mm | 21350/2560 | 20M QPSK 1RB#0 | 0.265 | 0.136 | 0.13 | 18.29 | 20.50 | 0.441 | Yes |
| Back Side | 10mm | 21350/2560 | 20M QPSK 1RB#0 | 0.251 | 0.130 | 0.18 | 18.29 | 20.50 | 0.418 | Yes |
| Back Side | 10mm | 20850/2510 | 20M QPSK 1RB#50 | 0.197 | 0.096 | -0.04 | 18.22 | 20.50 | 0.333 | Yes |
| Back Side | 10mm | 21100/2535 | 20M QPSK 1RB#50 | 0.248 | 0.129 | 0.18 | 18.01 | 20.50 | 0.440 | Yes |
| Back Side | 10mm | 21100/2535 | 20M QPSK 1RB#0 | 0.306 | 0.124 | 0.18 | 17.78 | 20.50 | 0.572 | Yes |
| | | 20902/2515.2 | 20M QPSK 1RB#99 | | | | | | | |
| Main Antenna | | | | | | | | | | |
| Front Side | 10mm | 21350/2560 | 20M QPSK 1RB#99 | 0.237 | 0.122 | -0.08 | 21.17 | 24.50 | 0.510 | Yes |
| Back Side | 10mm | 21350/2560 | 20M QPSK 1RB#99 | 0.329 | 0.166 | 0.09 | 21.17 | 24.50 | 0.708 | Yes |
| Left Side | 10mm | 21350/2560 | 20M QPSK 1RB#99 | 0.077 | 0.046 | 0.17 | 21.17 | 24.50 | 0.165 | Yes |
| Right Side | 10mm | 21350/2560 | 20M QPSK 1RB#99 | 0.089 | 0.048 | 0.02 | 21.17 | 24.50 | 0.191 | Yes |
| Bottom Side | 10mm | 21350/2560 | 20M QPSK 1RB#99 | 0.435 | 0.225 | 0.02 | 18.71 | 24.50 | 1.650 | No |
| Front Side | 10mm | 21350/2560 | 20M QPSK 50%RB#0 | 0.340 | 0.181 | -0.10 | 20.96 | 23.50 | 0.610 | Yes |
| Back Side | 10mm | 21350/2560 | 20M QPSK 50%RB#0 | 0.367 | 0.181 | 0.00 | 20.96 | 23.50 | 0.659 | Yes |
| Left Side | 10mm | 21350/2560 | 20M QPSK 50%RB#0 | 0.058 | 0.034 | 0.13 | 20.96 | 23.50 | 0.104 | Yes |
| Right Side | 10mm | 21350/2560 | 20M QPSK 50%RB#0 | 0.060 | 0.032 | 0.14 | 20.96 | 23.50 | 0.108 | Yes |
| Bottom Side | 10mm | 21350/2560 | 20M QPSK 50%RB#25 | 0.421 | 0.217 | 0.12 | 18.45 | 23.50 | 1.347 | No |
| Bottom Side | 10mm | 21350/2560 | 20M QPSK 1RB#99 | 0.606 | 0.314 | -0.07 | 18.71 | 24.50 | 2.299 | No |
| Bottom Side | 10mm | 21350/2560 | 20M QPSK 1RB#99 | 0.343 | 0.168 | 0.11 | 18.71 | 24.50 | 1.301 | No |
| Bottom Side | 10mm | 20850/2510 | 20M QPSK 1RB#50 | 0.594 | 0.311 | 0.04 | 18.22 | 24.50 | 2.522 | No |
| Bottom Side | 10mm | 21100/2535 | 20M QPSK 1RB#50 | 0.584 | 0.303 | 0.09 | 18.51 | 24.50 | 2.320 | No |
| Bottom Side | 10mm | 21350/2560 | 20M QPSK 1RB#0 | 0.452 | 0.237 | 0.00 | 18.34 | 24.50 | 1.867 | No |
| | | 21152/2540.2 | 20M QPSK 1RB#99 | | | | | | | |
| Additional SAR test at a conservative distance(triggering distance minus 1mm) | | | | | | | | | | |
| Bottom Side | 12mm | 21350/2560 | 20M QPSK 1RB#99 | 0.501 | 0.268 | 0.16 | 21.17 | 24.50 | 1.079 | Yes |
| Bottom Side | 12mm | 21350/2560 | 20M QPSK 50%RB#0 | 0.484 | 0.260 | 0.06 | 20.96 | 24.50 | 1.094 | Yes |
| Bottom Side | 12mm | 21100/2535 | 20M QPSK 1RB#0 | 0.440 | 0.217 | 0.01 | 20.47 | 24.50 | 1.113 | Yes |
| | | 20902/2515.2 | 20M QPSK 1RB#99 | | | | | | | |

Table 195: Product Specific 10-g SAR test reduction evaluation of LTE Band 7



Note: According to the table above , only Bottom side is required for Product Specific 10-g SAR test in this frequency band.

| Product Specific 10-g SAR | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 10-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|--------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| Main Antenna | | | | | | | | | | | |
| Bottom Side | 0mm | 21350/2560 | 20M QPSK 1RB#99 | 3.960 | 1.360 | -0.14 | 20.68 | 21.00 | 1.464 | Battery 1# | / |
| Bottom Side | 0mm | 21350/2560 | 20M QPSK 50%RB#0 | 4.020 | 1.390 | 0.10 | 20.52 | 21.00 | 1.552 | Battery 1# | / |
| Bottom Side | 0mm | 21350/2560 | 20M QPSK 50%RB#0 | 4.010 | 1.390 | 0.00 | 20.52 | 21.00 | 1.552 | Battery 2# | / |
| Bottom Side | 0mm | 21350/2560 | 20M QPSK 50%RB#0 | 3.960 | 1.350 | 0.17 | 20.52 | 21.00 | 1.508 | With SIM2 | / |
| Bottom Side | 0mm | 20850/2510 | 20M QPSK 50%RB#0 | 4.130 | 1.430 | 0.01 | 20.25 | 21.00 | 1.700 | Battery 1# | Yes |
| Bottom Side | 0mm | 21100/2535 | 20M QPSK 50%RB#50 | 3.950 | 1.360 | 0.12 | 20.29 | 21.00 | 1.602 | Battery 1# | / |
| Bottom Side | 0mm | 21350/2560 | 20M QPSK 1RB#0 | 3.820 | 1.300 | 0.11 | 20.22 | 21.00 | 1.556 | Battery 1# | / |
| | | 21152/2540.2 | 20M QPSK 1RB#99 | | | | | | | | |
| Additional SAR test at a conservative distance(triggering distance minus 1mm) | | | | | | | | | | | |
| Bottom Side | 7mm | 21350/2560 | 20M QPSK 1RB#50 | 1.140 | 0.559 | 0.14 | 21.68 | 22.00 | 0.602 | Battery 2# | / |
| Bottom Side | 7mm | 21350/2560 | 20M QPSK 50%RB#0 | 1.130 | 0.527 | 0.10 | 21.45 | 22.00 | 0.598 | Battery 2# | / |
| Bottom Side | 7mm | 21100/2535 | 20M QPSK 1RB#0 | 1.020 | 0.472 | -0.11 | 21.21 | 22.00 | 0.566 | Battery 1# | / |
| | | 20902/2515.2 | 20M QPSK 1RB#99 | | | | | | | | |
| Bottom Side | 12mm | 21350/2560 | 20M QPSK 1RB#50 | 0.897 | 0.485 | 0.11 | 24.13 | 24.50 | 0.528 | Battery 2# | / |
| Bottom Side | 12mm | 21350/2560 | 20M QPSK 50%RB#50 | 0.699 | 0.378 | -0.02 | 22.83 | 23.50 | 0.441 | Battery 2# | / |
| Bottom Side | 12mm | 21100/2535 | 20M QPSK 1RB#99 | 0.852 | 0.419 | -0.12 | 23.52 | 24.50 | 0.525 | Battery 1# | / |
| | | 21298/2554.8 | 20M QPSK 1RB#0 | | | | | | | | |

Table 196: Product Specific 10-g SAR test results of LTE Band 7

7.2.10 SAR measurement Results of LTE Band 12

| Test Position of Head | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Left cheek | 23095/707.5 | 10M QPSK 1RB#49 | 0.310 | 0.155 | 0.17 | 19.73 | 20.50 | 0.370 | Battery 1# | / |
| Left tilt | 23095/707.5 | 10M QPSK 1RB#49 | 0.301 | 0.145 | 0.03 | 19.73 | 20.50 | 0.359 | Battery 1# | / |
| Right cheek | 23095/707.5 | 10M QPSK 1RB#49 | 0.295 | 0.153 | -0.01 | 19.73 | 20.50 | 0.352 | Battery 1# | / |
| Right tilt | 23095/707.5 | 10M QPSK 1RB#49 | 0.343 | 0.171 | -0.05 | 19.73 | 20.50 | 0.410 | Battery 1# | / |
| Left cheek | 23095/707.5 | 10M QPSK 50%RB#0 | 0.284 | 0.140 | -0.10 | 19.60 | 20.50 | 0.349 | Battery 1# | / |
| Left tilt | 23095/707.5 | 10M QPSK 50%RB#0 | 0.301 | 0.142 | 0.05 | 19.60 | 20.50 | 0.370 | Battery 1# | / |
| Right cheek | 23095/707.5 | 10M QPSK 50%RB#0 | 0.289 | 0.151 | 0.07 | 19.60 | 20.50 | 0.356 | Battery 1# | / |
| Right tilt | 23095/707.5 | 10M QPSK 50%RB#0 | 0.357 | 0.173 | -0.02 | 19.60 | 20.50 | 0.439 | Battery 1# | / |
| Right tilt | 23095/707.5 | 10M QPSK 50%RB#0 | 0.368 | 0.176 | -0.03 | 19.60 | 20.50 | 0.453 | Battery 2# | / |
| Right tilt | 23060/704 | 10M QPSK 50%RB#13 | 0.369 | 0.176 | -0.02 | 19.53 | 20.50 | 0.461 | Battery 2# | Yes |
| Right tilt | 23130/711 | 10M QPSK 50%RB#0 | 0.357 | 0.172 | -0.04 | 19.46 | 20.50 | 0.454 | Battery 2# | / |
| Main Antenna | | | | | | | | | | |
| Left cheek | 23095/707.5 | 10M QPSK 1RB#0 | 0.054 | 0.043 | 0.14 | 24.03 | 25.00 | 0.068 | Battery 1# | / |
| Left tilt | 23095/707.5 | 10M QPSK 1RB#0 | 0.035 | 0.025 | 0.05 | 24.03 | 25.00 | 0.044 | Battery 1# | / |
| Right cheek | 23095/707.5 | 10M QPSK 1RB#0 | 0.064 | 0.050 | 0.11 | 24.03 | 25.00 | 0.080 | Battery 1# | / |
| Right tilt | 23095/707.5 | 10M QPSK 1RB#0 | 0.031 | 0.022 | 0.12 | 24.03 | 25.00 | 0.039 | Battery 1# | / |
| Left cheek | 23095/707.5 | 10M QPSK 50%RB#25 | 0.059 | 0.046 | 0.02 | 23.14 | 24.00 | 0.072 | Battery 1# | / |
| Left tilt | 23095/707.5 | 10M QPSK 50%RB#25 | 0.041 | 0.029 | -0.12 | 23.14 | 24.00 | 0.050 | Battery 1# | / |
| Right cheek | 23095/707.5 | 10M QPSK 50%RB#25 | 0.058 | 0.045 | 0.13 | 23.14 | 24.00 | 0.070 | Battery 1# | / |
| Right tilt | 23095/707.5 | 10M QPSK 50%RB#25 | 0.028 | 0.020 | 0.14 | 23.14 | 24.00 | 0.034 | Battery 1# | / |
| Right cheek | 23095/707.5 | 10M QPSK 1RB#0 | 0.064 | 0.051 | 0.04 | 24.03 | 25.00 | 0.080 | Battery 2# | / |
| Right cheek | 23060/704 | 10M QPSK 1RB#0 | 0.065 | 0.051 | 0.17 | 24.02 | 25.00 | 0.082 | Battery 2# | / |
| Right cheek | 23130/711 | 10M QPSK 1RB#0 | 0.073 | 0.057 | 0.10 | 23.97 | 25.00 | 0.093 | Battery 2# | / |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Right tilt | 23060/704 | 10M QPSK 50%RB#13 | 0.347 | 0.158 | 0.05 | 19.53 | 20.50 | 0.434 | Battery 2# | / |
| Right tilt | 23060/704 | 10M QPSK 50%RB#13 | 0.348 | 0.159 | -0.03 | 19.53 | 20.50 | 0.435 | With SIM2 | / |
| Main Antenna | | | | | | | | | | |
| Right cheek | 23130/711 | 10M QPSK 1RB#0 | 0.067 | 0.052 | -0.15 | 23.97 | 25.00 | 0.084 | Battery 2# | / |
| Right cheek | 23130/711 | 10M QPSK 1RB#0 | 0.083 | 0.065 | 0.11 | 23.97 | 25.00 | 0.106 | With SIM2 | Yes |

Table 197: Head SAR test results of LTE Band 12

| Test Position of Body-Worn | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 15mm | 23060/704 | 10M QPSK 1RB#0 | 0.139 | 0.099 | -0.01 | 24.03 | 25.00 | 0.174 | Battery 1# | / |
| Back Side | 15mm | 23060/704 | 10M QPSK 1RB#0 | 0.132 | 0.081 | -0.13 | 24.03 | 25.00 | 0.165 | Battery 1# | / |
| Front Side | 15mm | 23130/711 | 10M QPSK 50%RB#13 | 0.132 | 0.091 | -0.02 | 22.98 | 24.00 | 0.167 | Battery 1# | / |
| Back Side | 15mm | 23130/711 | 10M QPSK 50%RB#13 | 0.113 | 0.070 | -0.04 | 22.98 | 24.00 | 0.143 | Battery 1# | / |
| Front Side | 15mm | 23060/704 | 10M QPSK 1RB#0 | 0.139 | 0.104 | 0.06 | 24.03 | 25.00 | 0.174 | Battery 2# | / |
| Front Side | 15mm | 23095/707.5 | 10M QPSK 1RB#25 | 0.172 | 0.129 | 0.03 | 23.91 | 25.00 | 0.221 | Battery 2# | / |
| Front Side | 15mm | 23130/711 | 10M QPSK 1RB#0 | 0.169 | 0.127 | 0.04 | 23.83 | 25.00 | 0.221 | Battery 2# | / |
| Main Antenna | | | | | | | | | | | |
| Front Side | 15mm | 23095/707.5 | 10M QPSK 1RB#0 | 0.123 | 0.086 | -0.03 | 24.03 | 25.00 | 0.154 | Battery 1# | / |
| Back Side | 15mm | 23095/707.5 | 10M QPSK 1RB#0 | 0.163 | 0.121 | 0.01 | 24.03 | 25.00 | 0.204 | Battery 1# | / |
| Front Side | 15mm | 23095/707.5 | 10M QPSK 50%RB#25 | 0.111 | 0.078 | -0.14 | 23.14 | 24.00 | 0.135 | Battery 1# | / |
| Back Side | 15mm | 23095/707.5 | 10M QPSK 50%RB#25 | 0.153 | 0.113 | -0.07 | 23.14 | 24.00 | 0.187 | Battery 1# | / |
| Back Side | 15mm | 23095/707.5 | 10M QPSK 1RB#0 | 0.199 | 0.146 | -0.16 | 24.03 | 25.00 | 0.249 | Battery 2# | / |
| Back Side | 15mm | 23060/704 | 10M QPSK 1RB#0 | 0.181 | 0.133 | -0.02 | 24.02 | 25.00 | 0.227 | Battery 2# | / |
| Back Side | 15mm | 23130/711 | 10M QPSK 1RB#0 | 0.225 | 0.165 | -0.10 | 23.97 | 25.00 | 0.285 | Battery 2# | Yes |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 15mm | 23095/707.5 | 10M QPSK 1RB#25 | 0.171 | 0.116 | -0.03 | 23.91 | 25.00 | 0.220 | Battery 2# | / |
| Front Side | 15mm | 23095/707.5 | 10M QPSK 1RB#25 | 0.185 | 0.112 | -0.05 | 23.91 | 25.00 | 0.238 | With SIM2 | Yes |
| Main Antenna | | | | | | | | | | | |
| Back Side | 15mm | 23130/711 | 10M QPSK 1RB#0 | 0.195 | 0.141 | -0.15 | 23.97 | 25.00 | 0.247 | Battery 2# | / |
| Back Side | 15mm | 23130/711 | 10M QPSK 1RB#0 | 0.193 | 0.139 | -0.03 | 23.97 | 25.00 | 0.245 | With SIM2 | / |

Table 198: Body Worn SAR test results of LTE Band 12

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 10mm | 23060/704 | 10M QPSK 1RB#0 | 0.232 | 0.144 | -0.02 | 24.03 | 25.00 | 0.290 | Battery 1# | / |
| Back Side | 10mm | 23060/704 | 10M QPSK 1RB#0 | 0.272 | 0.155 | -0.03 | 24.03 | 25.00 | 0.340 | Battery 1# | / |
| Left Side | 10mm | 23060/704 | 10M QPSK 1RB#0 | 0.089 | 0.061 | -0.13 | 24.03 | 25.00 | 0.112 | Battery 1# | / |
| Top Side | 10mm | 23060/704 | 10M QPSK 1RB#0 | 0.222 | 0.120 | 0.10 | 24.03 | 25.00 | 0.278 | Battery 1# | / |
| Front Side | 10mm | 23130/711 | 10M QPSK 50%RB#13 | 0.246 | 0.153 | 0.01 | 22.98 | 24.00 | 0.311 | Battery 1# | / |
| Back Side | 10mm | 23130/711 | 10M QPSK 50%RB#13 | 0.245 | 0.156 | -0.11 | 22.98 | 24.00 | 0.310 | Battery 1# | / |
| Left Side | 10mm | 23130/711 | 10M QPSK 50%RB#13 | 0.094 | 0.064 | 0.00 | 22.98 | 24.00 | 0.119 | Battery 1# | / |
| Top Side | 10mm | 23130/711 | 10M QPSK 50%RB#13 | 0.206 | 0.110 | 0.09 | 22.98 | 24.00 | 0.261 | Battery 1# | / |
| Back Side | 10mm | 23060/704 | 10M QPSK 1RB#0 | 0.249 | 0.178 | 0.13 | 24.03 | 25.00 | 0.311 | Battery 2# | / |
| Back Side | 10mm | 23095/707.5 | 10M QPSK 1RB#25 | 0.300 | 0.215 | 0.07 | 23.91 | 25.00 | 0.386 | Battery 1# | / |
| Back Side | 10mm | 23130/711 | 10M QPSK 1RB#0 | 0.306 | 0.219 | 0.04 | 23.83 | 25.00 | 0.401 | Battery 1# | / |
| Main Antenna | | | | | | | | | | | |
| Front Side | 10mm | 23095/707.5 | 10M QPSK 1RB#0 | 0.150 | 0.104 | -0.02 | 24.03 | 25.00 | 0.188 | Battery 1# | / |
| Back Side | 10mm | 23095/707.5 | 10M QPSK 1RB#0 | 0.244 | 0.174 | -0.13 | 24.03 | 25.00 | 0.305 | Battery 1# | / |
| Left Side | 10mm | 23095/707.5 | 10M QPSK 1RB#0 | 0.180 | 0.105 | 0.01 | 24.03 | 25.00 | 0.225 | Battery 1# | / |
| Right Side | 10mm | 23095/707.5 | 10M QPSK 1RB#0 | 0.090 | 0.061 | -0.11 | 24.03 | 25.00 | 0.112 | Battery 1# | / |
| Bottom Side | 10mm | 23095/707.5 | 10M QPSK 1RB#0 | 0.080 | 0.048 | -0.10 | 24.03 | 25.00 | 0.100 | Battery 1# | / |
| Front Side | 10mm | 23095/707.5 | 10M QPSK 50%RB#25 | 0.133 | 0.092 | 0.01 | 23.14 | 24.00 | 0.162 | Battery 1# | / |
| Back Side | 10mm | 23095/707.5 | 10M QPSK 50%RB#25 | 0.199 | 0.138 | -0.06 | 23.14 | 24.00 | 0.243 | Battery 1# | / |
| Left Side | 10mm | 23095/707.5 | 10M QPSK 50%RB#25 | 0.151 | 0.088 | -0.06 | 23.14 | 24.00 | 0.184 | Battery 1# | / |
| Right Side | 10mm | 23095/707.5 | 10M QPSK 50%RB#25 | 0.087 | 0.060 | 0.03 | 23.14 | 24.00 | 0.106 | Battery 1# | / |
| Bottom Side | 10mm | 23095/707.5 | 10M QPSK 50%RB#25 | 0.079 | 0.048 | -0.14 | 23.14 | 24.00 | 0.096 | Battery 1# | / |
| Back Side | 10mm | 23095/707.5 | 10M QPSK 1RB#0 | 0.264 | 0.188 | 0.03 | 24.03 | 25.00 | 0.330 | Battery 2# | / |
| Back Side | 10mm | 23060/704 | 10M QPSK 1RB#0 | 0.244 | 0.174 | 0.19 | 24.02 | 25.00 | 0.306 | Battery 2# | / |
| Back Side | 10mm | 23130/711 | 10M QPSK 1RB#0 | 0.292 | 0.209 | -0.02 | 23.97 | 25.00 | 0.370 | Battery 2# | Yes |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Back Side | 10mm | 23130/711 | 10M QPSK 1RB#0 | 0.359 | 0.200 | 0.01 | 23.83 | 25.00 | 0.470 | Battery 1# | Yes |
| Back Side | 10mm | 23130/711 | 10M QPSK 1RB#0 | 0.354 | 0.176 | -0.12 | 23.83 | 25.00 | 0.463 | With SIM2 | / |
| Main Antenna | | | | | | | | | | | |
| Back Side | 10mm | 23130/711 | 10M QPSK 1RB#0 | 0.285 | 0.199 | -0.03 | 23.97 | 25.00 | 0.361 | Battery 2# | / |
| Back Side | 10mm | 23130/711 | 10M QPSK 1RB#0 | 0.276 | 0.194 | -0.04 | 23.97 | 25.00 | 0.350 | With SIM2 | / |

Table 199: Hotspot SAR test results of LTE Band 12

Note: Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.

7.2.11 SAR measurement Results of LTE Band 26

| Test Position of Head | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Left cheek | 26965/841.5 | 15M QPSK 1RB#74 | 0.344 | 0.169 | 0.03 | 18.35 | 19.20 | 0.418 | Battery 1# | / |
| Left tilt | 26965/841.5 | 15M QPSK 1RB#74 | 0.151 | 0.074 | -0.18 | 18.35 | 19.20 | 0.184 | Battery 1# | / |
| Right cheek | 26965/841.5 | 15M QPSK 1RB#74 | 0.361 | 0.188 | 0.02 | 18.35 | 19.20 | 0.439 | Battery 1# | / |
| Right tilt | 26965/841.5 | 15M QPSK 1RB#74 | 0.303 | 0.145 | -0.02 | 18.35 | 19.20 | 0.369 | Battery 1# | / |
| Left cheek | 26865/831.5 | 15M QPSK 50%RB#0 | 0.338 | 0.167 | 0.02 | 18.38 | 19.20 | 0.408 | Battery 1# | / |
| Left tilt | 26865/831.5 | 15M QPSK 50%RB#0 | 0.377 | 0.179 | 0.04 | 18.38 | 19.20 | 0.455 | Battery 1# | / |
| Right cheek | 26865/831.5 | 15M QPSK 50%RB#0 | 0.397 | 0.206 | -0.01 | 18.38 | 19.20 | 0.480 | Battery 1# | / |
| Right tilt | 26865/831.5 | 15M QPSK 50%RB#0 | 0.390 | 0.186 | -0.04 | 18.38 | 19.20 | 0.471 | Battery 1# | / |
| Right cheek | 26865/831.5 | 15M QPSK 50%RB#0 | 0.379 | 0.201 | -0.01 | 18.38 | 19.20 | 0.458 | Battery 2# | / |
| Right cheek | 26765/821.5 | 15M QPSK 50%RB#0 | 0.381 | 0.197 | -0.04 | 18.31 | 19.20 | 0.468 | Battery 1# | / |
| Right cheek | 26965/841.5 | 15M QPSK 50%RB#0 | 0.353 | 0.184 | -0.02 | 18.31 | 19.20 | 0.433 | Battery 1# | / |
| Main Antenna | | | | | | | | | | |
| Left cheek | 26865/831.5 | 15M QPSK 1RB#38 | 0.108 | 0.077 | 0.11 | 24.01 | 25.00 | 0.136 | Battery 1# | / |
| Left tilt | 26865/831.5 | 15M QPSK 1RB#38 | 0.071 | 0.050 | -0.03 | 24.01 | 25.00 | 0.089 | Battery 1# | / |
| Right cheek | 26865/831.5 | 15M QPSK 1RB#38 | 0.126 | 0.097 | -0.04 | 24.01 | 25.00 | 0.158 | Battery 1# | / |
| Right tilt | 26865/831.5 | 15M QPSK 1RB#38 | 0.059 | 0.041 | 0.16 | 24.01 | 25.00 | 0.074 | Battery 1# | / |
| Left cheek | 26865/831.5 | 15M QPSK 50%RB#39 | 0.073 | 0.051 | -0.19 | 23.04 | 24.00 | 0.091 | Battery 1# | / |
| Left tilt | 26865/831.5 | 15M QPSK 50%RB#39 | 0.060 | 0.041 | 0.02 | 23.04 | 24.00 | 0.075 | Battery 1# | / |
| Right cheek | 26865/831.5 | 15M QPSK 50%RB#39 | 0.093 | 0.065 | -0.01 | 23.04 | 24.00 | 0.117 | Battery 1# | / |
| Right tilt | 26865/831.5 | 15M QPSK 50%RB#39 | 0.047 | 0.032 | 0.11 | 23.04 | 24.00 | 0.058 | Battery 1# | / |
| Right cheek | 26865/831.5 | 15M QPSK 1RB#38 | 0.140 | 0.107 | 0.04 | 24.01 | 25.00 | 0.176 | Battery 2# | / |
| Right cheek | 26765/821.5 | 15M QPSK 1RB#38 | 0.127 | 0.098 | 0.13 | 23.86 | 25.00 | 0.165 | Battery 2# | / |
| Right cheek | 26965/841.5 | 15M QPSK 1RB#0 | 0.140 | 0.107 | 0.16 | 23.74 | 25.00 | 0.187 | Battery 2# | Yes |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Right cheek | 26865/831.5 | 15M QPSK 50%RB#0 | 0.427 | 0.224 | 0.06 | 18.38 | 19.20 | 0.516 | Battery 1# | Yes |
| Right cheek | 26865/831.5 | 15M QPSK 50%RB#0 | 0.418 | 0.219 | 0.18 | 18.38 | 19.20 | 0.505 | With SIM2 | / |
| Main Antenna | | | | | | | | | | |
| Right cheek | 26965/841.5 | 15M QPSK 1RB#0 | 0.124 | 0.097 | -0.11 | 23.74 | 25.00 | 0.166 | Battery 2# | / |
| Right cheek | 26965/841.5 | 15M QPSK 1RB#0 | 0.108 | 0.085 | -0.08 | 23.74 | 25.00 | 0.144 | With SIM2 | / |

Table 200: Head SAR test results of LTE Band 26

| Test Position of Body-Worn | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 15mm | 26865/831.5 | 15M QPSK 1RB#74 | 0.232 | 0.154 | 0.00 | 23.85 | 24.70 | 0.282 | Battery 1# | / |
| Back Side | 15mm | 26865/831.5 | 15M QPSK 1RB#74 | 0.241 | 0.162 | -0.04 | 23.85 | 24.70 | 0.293 | Battery 1# | / |
| Front Side | 15mm | 26765/821.5 | 15M QPSK 50%RB#18 | 0.164 | 0.110 | -0.06 | 22.84 | 23.70 | 0.200 | Battery 1# | / |
| Back Side | 15mm | 26765/821.5 | 15M QPSK 50%RB#18 | 0.168 | 0.113 | -0.01 | 22.84 | 23.70 | 0.205 | Battery 1# | / |
| Back Side | 15mm | 26865/831.5 | 15M QPSK 1RB#74 | 0.246 | 0.164 | -0.05 | 23.85 | 24.70 | 0.299 | Battery 2# | / |
| Back Side | 15mm | 26765/821.5 | 15M QPSK 1RB#74 | 0.246 | 0.165 | -0.04 | 23.58 | 24.70 | 0.318 | Battery 2# | / |
| Back Side | 15mm | 26965/841.5 | 15M QPSK 1RB#38 | 0.262 | 0.175 | -0.08 | 23.66 | 24.70 | 0.333 | Battery 2# | Yes |
| Main Antenna | | | | | | | | | | | |
| Front Side | 15mm | 26865/831.5 | 15M QPSK 1RB#38 | 0.208 | 0.142 | 0.04 | 24.01 | 25.00 | 0.261 | Battery 1# | / |
| Back Side | 15mm | 26865/831.5 | 15M QPSK 1RB#38 | 0.264 | 0.186 | 0.06 | 24.01 | 25.00 | 0.332 | Battery 1# | / |
| Front Side | 15mm | 26865/831.5 | 15M QPSK 50%RB#39 | 0.168 | 0.115 | -0.03 | 23.04 | 24.00 | 0.210 | Battery 1# | / |
| Back Side | 15mm | 26865/831.5 | 15M QPSK 50%RB#39 | 0.213 | 0.145 | -0.01 | 23.04 | 24.00 | 0.266 | Battery 1# | / |
| Back Side | 15mm | 26865/831.5 | 15M QPSK 1RB#38 | 0.273 | 0.192 | -0.09 | 24.01 | 25.00 | 0.343 | Battery 2# | / |
| Back Side | 15mm | 26765/821.5 | 15M QPSK 1RB#38 | 0.277 | 0.195 | -0.01 | 23.86 | 25.00 | 0.360 | Battery 2# | Yes |
| Back Side | 15mm | 26965/841.5 | 15M QPSK 1RB#0 | 0.270 | 0.190 | -0.08 | 23.74 | 25.00 | 0.361 | Battery 2# | / |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Back Side | 15mm | 26965/841.5 | 15M QPSK 1RB#38 | 0.221 | 0.128 | -0.07 | 23.66 | 24.70 | 0.281 | Battery 2# | / |
| Back Side | 15mm | 26965/841.5 | 15M QPSK 1RB#38 | 0.220 | 0.128 | -0.10 | 23.66 | 24.70 | 0.280 | With SIM2 | / |
| Main Antenna | | | | | | | | | | | |
| Back Side | 15mm | 26965/841.5 | 15M QPSK 1RB#0 | 0.237 | 0.168 | -0.13 | 23.74 | 25.00 | 0.317 | Battery 2# | / |
| Back Side | 15mm | 26965/841.5 | 15M QPSK 1RB#0 | 0.251 | 0.178 | -0.01 | 23.74 | 25.00 | 0.335 | With SIM2 | / |

Table 201: Body Worn SAR test results of LTE Band 26

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 10mm | 26865/831.5 | 15M QPSK 1RB#74 | 0.497 | 0.273 | -0.03 | 23.85 | 24.70 | 0.604 | Battery 1# | / |
| Back Side | 10mm | 26865/831.5 | 15M QPSK 1RB#74 | 0.550 | 0.302 | -0.08 | 23.85 | 24.70 | 0.669 | Battery 1# | / |
| Left Side | 10mm | 26865/831.5 | 15M QPSK 1RB#74 | 0.282 | 0.133 | -0.02 | 23.85 | 24.70 | 0.343 | Battery 1# | / |
| Top Side | 10mm | 26865/831.5 | 15M QPSK 1RB#74 | 0.319 | 0.155 | 0.00 | 23.85 | 24.70 | 0.388 | Battery 1# | / |
| Front Side | 10mm | 26765/821.5 | 15M QPSK 50%RB#18 | 0.360 | 0.210 | -0.04 | 22.84 | 23.70 | 0.439 | Battery 1# | / |
| Back Side | 10mm | 26765/821.5 | 15M QPSK 50%RB#18 | 0.374 | 0.233 | -0.05 | 22.84 | 23.70 | 0.456 | Battery 1# | / |
| Left Side | 10mm | 26765/821.5 | 15M QPSK 50%RB#18 | 0.148 | 0.098 | 0.00 | 22.84 | 23.70 | 0.180 | Battery 1# | / |
| Top Side | 10mm | 26765/821.5 | 15M QPSK 50%RB#18 | 0.238 | 0.116 | 0.01 | 22.84 | 23.70 | 0.290 | Battery 1# | / |
| Back Side | 10mm | 26865/831.5 | 15M QPSK 1RB#74 | 0.474 | 0.264 | -0.15 | 23.85 | 24.70 | 0.576 | Battery 2# | / |
| Back Side | 10mm | 26765/821.5 | 15M QPSK 1RB#74 | 0.489 | 0.270 | 0.02 | 23.58 | 24.70 | 0.633 | Battery 1# | / |
| Back Side | 10mm | 26965/841.5 | 15M QPSK 1RB#38 | 0.578 | 0.320 | -0.07 | 23.66 | 24.70 | 0.734 | Battery 1# | Yes |
| Main Antenna | | | | | | | | | | | |
| Front Side | 10mm | 26865/831.5 | 15M QPSK 1RB#38 | 0.319 | 0.218 | -0.14 | 24.01 | 25.00 | 0.401 | Battery 1# | / |
| Back Side | 10mm | 26865/831.5 | 15M QPSK 1RB#38 | 0.450 | 0.304 | -0.06 | 24.01 | 25.00 | 0.565 | Battery 1# | / |
| Left Side | 10mm | 26865/831.5 | 15M QPSK 1RB#38 | 0.245 | 0.137 | -0.13 | 24.01 | 25.00 | 0.308 | Battery 1# | / |
| Right Side | 10mm | 26865/831.5 | 15M QPSK 1RB#38 | 0.145 | 0.098 | -0.08 | 24.01 | 25.00 | 0.182 | Battery 1# | / |
| Bottom Side | 10mm | 26865/831.5 | 15M QPSK 1RB#38 | 0.298 | 0.191 | 0.10 | 24.01 | 25.00 | 0.374 | Battery 1# | / |
| Front Side | 10mm | 26865/831.5 | 15M QPSK 50%RB#39 | 0.261 | 0.179 | -0.03 | 23.04 | 24.00 | 0.326 | Battery 1# | / |
| Back Side | 10mm | 26865/831.5 | 15M QPSK 50%RB#39 | 0.367 | 0.245 | -0.08 | 23.04 | 24.00 | 0.458 | Battery 1# | / |
| Left Side | 10mm | 26865/831.5 | 15M QPSK 50%RB#39 | 0.211 | 0.117 | -0.07 | 23.04 | 24.00 | 0.263 | Battery 1# | / |
| Right Side | 10mm | 26865/831.5 | 15M QPSK 50%RB#39 | 0.113 | 0.076 | -0.03 | 23.04 | 24.00 | 0.141 | Battery 1# | / |
| Bottom Side | 10mm | 26865/831.5 | 15M QPSK 50%RB#39 | 0.250 | 0.163 | -0.12 | 23.04 | 24.00 | 0.312 | Battery 1# | / |
| Back Side | 10mm | 26865/831.5 | 15M QPSK 1RB#38 | 0.464 | 0.314 | -0.09 | 24.01 | 25.00 | 0.583 | Battery 2# | Yes |
| Back Side | 10mm | 26765/821.5 | 15M QPSK 1RB#38 | 0.461 | 0.313 | 0.03 | 23.86 | 25.00 | 0.599 | Battery 2# | / |
| Back Side | 10mm | 26965/841.5 | 15M QPSK 1RB#0 | 0.444 | 0.299 | -0.13 | 23.74 | 25.00 | 0.593 | Battery 2# | / |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Back Side | 10mm | 26965/841.5 | 15M QPSK 1RB#38 | 0.498 | 0.273 | -0.15 | 23.66 | 24.70 | 0.633 | Battery 1# | / |
| Back Side | 10mm | 26965/841.5 | 15M QPSK 1RB#38 | 0.477 | 0.266 | -0.13 | 23.66 | 24.70 | 0.606 | With SIM2 | / |
| Main Antenna | | | | | | | | | | | |
| Back Side | 10mm | 26765/821.5 | 15M QPSK 1RB#38 | 0.400 | 0.275 | -0.17 | 23.86 | 25.00 | 0.520 | Battery 2# | / |
| Back Side | 10mm | 26765/821.5 | 15M QPSK 1RB#38 | 0.399 | 0.272 | -0.12 | 23.86 | 25.00 | 0.519 | With SIM2 | / |

Table 202: Hotspot SAR test results of LTE Band 26

Note: Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.

7.2.12 SAR measurement Results of LTE Band 38

| Test Position of Head | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Left cheek | 38000/2595 | 20M QPSK 1RB#50 | 0.148 | 0.068 | -0.16 | 18.54 | 19.00 | 0.165 | Battery 1# | / |
| Left tilt | 38000/2595 | 20M QPSK 1RB#50 | 0.201 | 0.092 | 0.10 | 18.54 | 19.00 | 0.223 | Battery 1# | / |
| Right cheek | 38000/2595 | 20M QPSK 1RB#50 | 0.232 | 0.109 | 0.06 | 18.54 | 19.00 | 0.258 | Battery 1# | / |
| Right tilt | 38000/2595 | 20M QPSK 1RB#50 | 0.313 | 0.141 | 0.01 | 18.54 | 19.00 | 0.348 | Battery 1# | / |
| Left cheek | 38000/2595 | 20M QPSK 50%RB#25 | 0.131 | 0.060 | -0.01 | 18.39 | 19.00 | 0.151 | Battery 1# | / |
| Left tilt | 38000/2595 | 20M QPSK 50%RB#25 | 0.171 | 0.078 | 0.02 | 18.39 | 19.00 | 0.197 | Battery 1# | / |
| Right cheek | 38000/2595 | 20M QPSK 50%RB#25 | 0.205 | 0.097 | -0.14 | 18.39 | 19.00 | 0.236 | Battery 1# | / |
| Right tilt | 38000/2595 | 20M QPSK 50%RB#25 | 0.290 | 0.129 | -0.12 | 18.39 | 19.00 | 0.334 | Battery 1# | / |
| Right tilt | 38000/2595 | 20M QPSK 1RB#50 | 0.389 | 0.176 | -0.02 | 18.54 | 19.00 | 0.432 | Battery 2# | / |
| Right tilt | 37850/2580 | 20M QPSK 1RB#50 | 0.430 | 0.196 | -0.19 | 18.37 | 19.00 | 0.497 | Battery 2# | Yes |
| Right tilt | 38150/2610 | 20M QPSK 1RB#50 | 0.372 | 0.169 | 0.12 | 18.36 | 19.00 | 0.431 | Battery 2# | / |
| Right tilt | 37850/2580(PCC) | 20M QPSK 1RB#99 | 0.390 | 0.158 | 0.05 | 18.18 | 19.00 | 0.471 | Battery 2# | / |
| | 38048/2599.8(SCC) | 20M QPSK 1RB#0 | | | | | | | | |
| Main Antenna | | | | | | | | | | |
| Left cheek | 38000/2595 | 20M QPSK 1RB#50 | 0.099 | 0.052 | 0.03 | 24.46 | 25.00 | 0.112 | Battery 1# | / |
| Left tilt | 38000/2595 | 20M QPSK 1RB#50 | 0.074 | 0.034 | -0.19 | 24.46 | 25.00 | 0.083 | Battery 1# | / |
| Right cheek | 38000/2595 | 20M QPSK 1RB#50 | 0.139 | 0.076 | 0.01 | 24.46 | 25.00 | 0.157 | Battery 1# | Yes |
| Right tilt | 38000/2595 | 20M QPSK 1RB#50 | 0.043 | 0.021 | 0.19 | 24.46 | 25.00 | 0.049 | Battery 1# | / |
| Left cheek | 37850/2580 | 20M QPSK 50%RB#50 | 0.073 | 0.038 | 0.10 | 23.33 | 24.00 | 0.086 | Battery 1# | / |
| Left tilt | 37850/2580 | 20M QPSK 50%RB#50 | 0.057 | 0.027 | -0.02 | 23.33 | 24.00 | 0.067 | Battery 1# | / |
| Right cheek | 37850/2580 | 20M QPSK 50%RB#50 | 0.093 | 0.047 | 0.09 | 23.33 | 24.00 | 0.108 | Battery 1# | / |
| Right tilt | 37850/2580 | 20M QPSK 50%RB#50 | 0.027 | 0.013 | 0.12 | 23.33 | 24.00 | 0.032 | Battery 1# | / |
| Right cheek | 38000/2595 | 20M QPSK 1RB#50 | 0.120 | 0.065 | -0.14 | 24.46 | 25.00 | 0.136 | Battery 2# | / |
| Right cheek | 37850/2580 | 20M QPSK 1RB#50 | 0.121 | 0.066 | 0.01 | 24.42 | 25.00 | 0.138 | Battery 1# | / |
| Right cheek | 38150/2610 | 20M QPSK 1RB#99 | 0.111 | 0.060 | -0.09 | 24.45 | 25.00 | 0.126 | Battery 1# | / |
| Right cheek | 37850/2580(PCC) | 20M QPSK 1RB#99 | 0.109 | 0.056 | -0.01 | 23.88 | 25.00 | 0.141 | Battery 1# | / |
| | 38048/2599.8(SCC) | 20M QPSK 1RB#0 | | | | | | | | |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Right tilt | 37850/2580 | 20M QPSK 1RB#50 | 0.354 | 0.150 | -0.05 | 18.37 | 19.00 | 0.409 | Battery 2# | / |
| Right tilt | 37850/2580 | 20M QPSK 1RB#50 | 0.353 | 0.149 | -0.03 | 18.37 | 19.00 | 0.408 | With SIM2 | / |
| Main Antenna | | | | | | | | | | |
| Right cheek | 38000/2595 | 20M QPSK 1RB#50 | 0.111 | 0.059 | -0.12 | 24.46 | 25.00 | 0.126 | Battery 1# | / |
| Right cheek | 38000/2595 | 20M QPSK 1RB#50 | 0.114 | 0.057 | 0.00 | 24.46 | 25.00 | 0.129 | With SIM2 | / |

Table 203: Head SAR test results of LTE Band 38

| Test Position of Body-Worn | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 15mm | 37850/2580 | 20M QPSK 1RB#0 | 0.068 | 0.036 | 0.07 | 22.96 | 23.50 | 0.076 | Battery 1# | / |
| Back Side | 15mm | 37850/2580 | 20M QPSK 1RB#0 | 0.170 | 0.089 | 0.16 | 22.96 | 23.50 | 0.193 | Battery 1# | / |
| Front Side | 15mm | 37850/2580 | 20M QPSK 50%RB#0 | 0.051 | 0.028 | -0.06 | 21.90 | 22.50 | 0.058 | Battery 1# | / |
| Back Side | 15mm | 37850/2580 | 20M QPSK 50%RB#0 | 0.119 | 0.061 | 0.15 | 21.90 | 22.50 | 0.137 | Battery 1# | / |
| Back Side | 15mm | 37850/2580 | 20M QPSK 1RB#0 | 0.184 | 0.095 | -0.02 | 22.96 | 23.50 | 0.208 | Battery 2# | Yes |
| Back Side | 15mm | 38000/2595 | 20M QPSK 1RB#0 | 0.156 | 0.077 | -0.17 | 22.95 | 23.50 | 0.177 | Battery 2# | / |
| Back Side | 15mm | 38150/2610 | 20M QPSK 1RB#50 | 0.169 | 0.087 | -0.04 | 22.93 | 23.50 | 0.193 | Battery 2# | / |
| Back Side | 15mm | 37850/2580 | 20M QPSK 1RB#99 | 0.161 | 0.088 | 0.01 | 22.46 | 23.50 | 0.205 | Battery 2# | / |
| | | 38048/2599.8 | 20M QPSK 1RB#0 | | | | | | | | |
| Main Antenna | | | | | | | | | | | |
| Front Side | 15mm | 38000/2595 | 20M QPSK 1RB#50 | 0.198 | 0.106 | -0.06 | 24.46 | 25.00 | 0.224 | Battery 1# | / |
| Back Side | 15mm | 38000/2595 | 20M QPSK 1RB#50 | 0.312 | 0.171 | 0.01 | 24.46 | 25.00 | 0.353 | Battery 1# | Yes |
| Front Side | 15mm | 37850/2580 | 20M QPSK 50%RB#50 | 0.138 | 0.074 | -0.06 | 23.33 | 24.00 | 0.161 | Battery 1# | / |
| Back Side | 15mm | 37850/2580 | 20M QPSK 50%RB#50 | 0.192 | 0.102 | -0.11 | 23.33 | 24.00 | 0.224 | Battery 1# | / |
| Back Side | 15mm | 38000/2595 | 20M QPSK 1RB#50 | 0.295 | 0.162 | -0.18 | 24.46 | 25.00 | 0.334 | Battery 2# | / |
| Back Side | 15mm | 37850/2580 | 20M QPSK 1RB#50 | 0.273 | 0.152 | 0.13 | 24.42 | 25.00 | 0.312 | Battery 1# | / |
| Back Side | 15mm | 38150/2610 | 20M QPSK 1RB#99 | 0.259 | 0.143 | 0.05 | 24.45 | 25.00 | 0.294 | Battery 1# | / |
| Back Side | 15mm | 37850/2580(PCC) | 20M QPSK 1RB#99 | 0.267 | 0.150 | 0.06 | 23.88 | 25.00 | 0.346 | Battery 1# | / |
| | | 38048/2599.8(SCC) | 20M QPSK 1RB#0 | | | | | | | | |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Back Side | 15mm | 37850/2580 | 20M QPSK 1RB#0 | 0.126 | 0.072 | -0.19 | 22.96 | 23.50 | 0.143 | Battery 2# | / |
| Back Side | 15mm | 37850/2580 | 20M QPSK 1RB#0 | 0.123 | 0.070 | -0.15 | 22.96 | 23.50 | 0.139 | With SIM2 | / |
| Main Antenna | | | | | | | | | | | |
| Back Side | 15mm | 38000/2595 | 20M QPSK 1RB#50 | 0.218 | 0.128 | -0.16 | 24.46 | 25.00 | 0.247 | Battery 1# | / |
| Back Side | 15mm | 38000/2595 | 20M QPSK 1RB#50 | 0.193 | 0.108 | 0.08 | 24.46 | 25.00 | 0.219 | With SIM2 | / |

Table 204: Body Worn SAR test results of LTE Band 38

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 10mm | 37850/2580 | 20M QPSK 1RB#0 | 0.141 | 0.075 | -0.02 | 22.18 | 22.50 | 0.152 | Battery 1# | / |
| Back Side | 10mm | 37850/2580 | 20M QPSK 1RB#0 | 0.387 | 0.183 | -0.08 | 22.18 | 22.50 | 0.417 | Battery 1# | / |
| Left Side | 10mm | 37850/2580 | 20M QPSK 1RB#0 | 0.041 | 0.017 | -0.12 | 22.18 | 22.50 | 0.044 | Battery 1# | / |
| Top Side | 10mm | 37850/2580 | 20M QPSK 1RB#0 | 0.264 | 0.131 | 0.02 | 22.18 | 22.50 | 0.284 | Battery 1# | / |
| Front Side | 10mm | 37850/2580 | 20M QPSK 50%RB#0 | 0.129 | 0.068 | 0.17 | 21.91 | 22.50 | 0.148 | Battery 1# | / |
| Back Side | 10mm | 37850/2580 | 20M QPSK 50%RB#0 | 0.350 | 0.171 | 0.08 | 21.91 | 22.50 | 0.401 | Battery 1# | / |
| Left Side | 10mm | 37850/2580 | 20M QPSK 50%RB#0 | 0.053 | 0.024 | -0.09 | 21.91 | 22.50 | 0.060 | Battery 1# | / |
| Top Side | 10mm | 37850/2580 | 20M QPSK 50%RB#0 | 0.258 | 0.128 | -0.03 | 21.91 | 22.50 | 0.296 | Battery 1# | / |
| Back Side | 10mm | 37850/2580 | 20M QPSK 1RB#0 | 0.378 | 0.173 | 0.15 | 22.18 | 22.50 | 0.407 | Battery 2# | / |
| Back Side | 10mm | 38000/2595 | 20M QPSK 1RB#0 | 0.439 | 0.201 | -0.16 | 22.14 | 22.50 | 0.477 | Battery 1# | Yes |
| Back Side | 10mm | 38150/2610 | 20M QPSK 1RB#99 | 0.360 | 0.167 | 0.09 | 22.04 | 22.50 | 0.400 | Battery 1# | / |
| Back Side | 10mm | 37850/2580(PCC) | 20M QPSK 1RB#99 | 0.300 | 0.147 | 0.15 | 21.64 | 22.50 | 0.366 | Battery 1# | / |
| | | 38048/2599.8(SCC) | 20M QPSK 1RB#0 | | | | | | | | |
| Main Antenna | | | | | | | | | | | |
| Front Side | 10mm | 38150/2610 | 20M QPSK 1RB#99 | 0.231 | 0.116 | 0.15 | 22.64 | 23.00 | 0.251 | Battery 1# | / |
| Back Side | 10mm | 38150/2610 | 20M QPSK 1RB#99 | 0.348 | 0.170 | 0.11 | 22.64 | 23.00 | 0.378 | Battery 1# | / |
| Left Side | 10mm | 38150/2610 | 20M QPSK 1RB#99 | 0.037 | 0.022 | 0.06 | 22.64 | 23.00 | 0.040 | Battery 1# | / |
| Right Side | 10mm | 38150/2610 | 20M QPSK 1RB#99 | 0.047 | 0.025 | 0.04 | 22.64 | 23.00 | 0.051 | Battery 1# | / |
| Bottom Side | 10mm | 37850/2580 | 20M QPSK 1RB#0 | 0.432 | 0.221 | -0.04 | 21.64 | 22.00 | 0.469 | Battery 1# | / |
| Front Side | 10mm | 37850/2580 | 20M QPSK 50%RB#0 | 0.222 | 0.113 | -0.16 | 22.37 | 23.00 | 0.257 | Battery 1# | / |
| Back Side | 10mm | 37850/2580 | 20M QPSK 50%RB#0 | 0.278 | 0.141 | -0.10 | 22.37 | 23.00 | 0.321 | Battery 1# | / |
| Left Side | 10mm | 37850/2580 | 20M QPSK 50%RB#0 | 0.039 | 0.023 | 0.19 | 22.37 | 23.00 | 0.045 | Battery 1# | / |
| Right Side | 10mm | 37850/2580 | 20M QPSK 50%RB#0 | 0.053 | 0.029 | 0.11 | 22.37 | 23.00 | 0.061 | Battery 1# | / |
| Bottom Side | 10mm | 38000/2595 | 20M QPSK 50%RB#25 | 0.408 | 0.195 | -0.05 | 21.29 | 22.00 | 0.480 | Battery 1# | / |
| Bottom Side | 10mm | 37850/2580 | 20M QPSK 1RB#0 | 0.483 | 0.244 | -0.01 | 21.64 | 22.00 | 0.525 | Battery 2# | / |
| Bottom Side | 10mm | 38000/2595 | 20M QPSK 1RB#50 | 0.524 | 0.263 | -0.04 | 21.38 | 22.00 | 0.604 | Battery 2# | / |
| Bottom Side | 10mm | 38150/2610 | 20M QPSK 1RB#50 | 0.668 | 0.340 | -0.04 | 21.57 | 22.00 | 0.738 | Battery 2# | Yes |
| Bottom Side | 10mm | 37850/2580(PCC) | 20M QPSK 1RB#99 | 0.503 | 0.256 | -0.01 | 21.13 | 22.00 | 0.615 | Battery 2# | / |
| | | 38048/2599.8(SCC) | 20M QPSK 1RB#0 | | | | | | | | |
| Additional SAR test at a conservative distance(triggering distance minus 1mm) | | | | | | | | | | | |
| Bottom Side | 12mm | 38150/2610 | 20M QPSK 1RB#99 | 0.395 | 0.207 | 0.05 | 22.64 | 23.00 | 0.429 | Battery 2# | / |
| Bottom Side | 12mm | 37850/2580 | 20M QPSK 50%RB#0 | 0.366 | 0.194 | 0.06 | 22.37 | 23.00 | 0.423 | Battery 2# | / |
| Bottom Side | 12mm | 37850/2580(PCC) | 20M QPSK 1RB#99 | 0.398 | 0.208 | -0.16 | 22.17 | 23.00 | 0.482 | Battery 2# | / |
| | | 38048/2599.8(SCC) | 20M QPSK 1RB#0 | | | | | | | | |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Back Side | 10mm | 38000/2595 | 20M QPSK 1RB#0 | 0.367 | 0.185 | -0.08 | 22.14 | 22.50 | 0.399 | Battery 1# | / |
| Back Side | 10mm | 38000/2595 | 20M QPSK 1RB#0 | 0.366 | 0.189 | -0.18 | 22.14 | 22.50 | 0.398 | With SIM2 | / |
| Main Antenna | | | | | | | | | | | |
| Bottom Side | 10mm | 38150/2610 | 20M QPSK 1RB#50 | 0.481 | 0.251 | -0.19 | 21.57 | 22.00 | 0.531 | Battery 2# | / |
| Bottom Side | 10mm | 38150/2610 | 20M QPSK 1RB#50 | 0.473 | 0.246 | -0.17 | 21.57 | 22.00 | 0.522 | With SIM2 | / |

Table 205: Hotspot SAR test results of LTE Band 38



Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Max Power Without Reduction | Scaled-up 1-g SAR (W/kg) | Product Specific 10-g SAR Exclusion |
|---|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|-----------------------------|--------------------------|-------------------------------------|
| | | | | 1-g | 10-g | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Front Side | 10mm | 37850/2580 | 20M QPSK 1RB#0 | 0.141 | 0.075 | -0.02 | 22.18 | 23.50 | 0.191 | Yes |
| Back Side | 10mm | 37850/2580 | 20M QPSK 1RB#0 | 0.387 | 0.183 | -0.08 | 22.18 | 23.50 | 0.524 | Yes |
| Left Side | 10mm | 37850/2580 | 20M QPSK 1RB#0 | 0.041 | 0.017 | -0.12 | 22.18 | 23.50 | 0.056 | Yes |
| Top Side | 10mm | 37850/2580 | 20M QPSK 1RB#0 | 0.264 | 0.131 | 0.02 | 22.18 | 23.50 | 0.358 | Yes |
| Front Side | 10mm | 37850/2580 | 20M QPSK 50%RB#0 | 0.129 | 0.068 | 0.17 | 21.91 | 22.50 | 0.148 | Yes |
| Back Side | 10mm | 37850/2580 | 20M QPSK 50%RB#0 | 0.350 | 0.171 | 0.08 | 21.91 | 22.50 | 0.401 | Yes |
| Left Side | 10mm | 37850/2580 | 20M QPSK 50%RB#0 | 0.053 | 0.024 | -0.09 | 21.91 | 22.50 | 0.060 | Yes |
| Top Side | 10mm | 37850/2580 | 20M QPSK 50%RB#0 | 0.258 | 0.128 | -0.03 | 21.91 | 22.50 | 0.296 | Yes |
| Back Side | 10mm | 37850/2580 | 20M QPSK 1RB#0 | 0.378 | 0.173 | 0.15 | 22.18 | 23.50 | 0.512 | Yes |
| Back Side | 10mm | 38000/2595 | 20M QPSK 1RB#0 | 0.439 | 0.201 | -0.16 | 22.14 | 23.50 | 0.600 | Yes |
| Back Side | 10mm | 38150/2610 | 20M QPSK 1RB#99 | 0.360 | 0.167 | 0.09 | 22.04 | 23.50 | 0.504 | Yes |
| Back Side | 10mm | 37850/2580(PCC) | 20M QPSK 1RB#99 | 0.300 | 0.147 | 0.15 | 21.64 | 23.50 | 0.460 | Yes |
| | | 38048/2599.8(SCC) | 20M QPSK 1RB#0 | | | | | | | |
| Main Antenna | | | | | | | | | | |
| Front Side | 10mm | 38150/2610 | 20M QPSK 1RB#99 | 0.231 | 0.116 | 0.15 | 22.64 | 25.00 | 0.398 | Yes |
| Back Side | 10mm | 38150/2610 | 20M QPSK 1RB#99 | 0.348 | 0.170 | 0.11 | 22.64 | 25.00 | 0.599 | Yes |
| Left Side | 10mm | 38150/2610 | 20M QPSK 1RB#99 | 0.037 | 0.022 | 0.06 | 22.64 | 25.00 | 0.064 | Yes |
| Right Side | 10mm | 38150/2610 | 20M QPSK 1RB#99 | 0.047 | 0.025 | 0.04 | 22.64 | 25.00 | 0.081 | Yes |
| Bottom Side | 10mm | 37850/2580 | 20M QPSK 1RB#0 | 0.432 | 0.221 | -0.04 | 21.64 | 25.00 | 0.936 | Yes |
| Front Side | 10mm | 37850/2580 | 20M QPSK 50%RB#0 | 0.222 | 0.113 | -0.16 | 22.37 | 24.00 | 0.323 | Yes |
| Back Side | 10mm | 37850/2580 | 20M QPSK 50%RB#0 | 0.278 | 0.141 | -0.10 | 22.37 | 24.00 | 0.405 | Yes |
| Left Side | 10mm | 37850/2580 | 20M QPSK 50%RB#0 | 0.039 | 0.023 | 0.19 | 22.37 | 24.00 | 0.057 | Yes |
| Right Side | 10mm | 37850/2580 | 20M QPSK 50%RB#0 | 0.053 | 0.029 | 0.11 | 22.37 | 24.00 | 0.076 | Yes |
| Bottom Side | 10mm | 38000/2595 | 20M QPSK 50%RB#25 | 0.408 | 0.195 | -0.05 | 21.29 | 24.00 | 0.761 | Yes |
| Bottom Side | 10mm | 37850/2580 | 20M QPSK 1RB#0 | 0.483 | 0.244 | -0.01 | 21.64 | 25.00 | 1.047 | Yes |
| Bottom Side | 10mm | 38000/2595 | 20M QPSK 1RB#50 | 0.524 | 0.263 | -0.04 | 21.38 | 25.00 | 1.206 | No |
| Bottom Side | 10mm | 38150/2610 | 20M QPSK 1RB#50 | 0.668 | 0.340 | -0.04 | 21.57 | 25.00 | 1.472 | No |
| Bottom Side | 10mm | 37850/2580(PCC) | 20M QPSK 1RB#99 | 0.503 | 0.256 | -0.01 | 21.13 | 25.00 | 1.226 | No |
| | | 38048/2599.8(SCC) | 20M QPSK 1RB#0 | | | | | | | |
| Additional SAR test at a conservative distance(triggering distance minus 1mm) | | | | | | | | | | |
| Bottom Side | 12mm | 38150/2610 | 20M QPSK 1RB#99 | 0.395 | 0.207 | 0.05 | 22.64 | 25.00 | 0.680 | Yes |
| Bottom Side | 12mm | 37850/2580 | 20M QPSK 50%RB#0 | 0.366 | 0.194 | 0.06 | 22.37 | 25.00 | 0.671 | Yes |
| Bottom Side | 12mm | 37850/2580(PCC) | 20M QPSK 1RB#99 | 0.398 | 0.208 | -0.16 | 22.17 | 25.00 | 0.764 | Yes |
| | | 38048/2599.8(SCC) | 20M QPSK 1RB#0 | | | | | | | |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |



| | | | | | | | | | | |
|--------------|------|------------|-----------------|-------|-------|-------|-------|-------|-------|-----|
| Back Side | 10mm | 38000/2595 | 20M QPSK 1RB#0 | 0.367 | 0.185 | -0.08 | 22.14 | 23.50 | 0.502 | Yes |
| Back Side | 10mm | 38000/2595 | 20M QPSK 1RB#0 | 0.366 | 0.189 | -0.18 | 22.14 | 23.50 | 0.501 | Yes |
| Main Antenna | | | | | | | | | | |
| Bottom Side | 10mm | 38150/2610 | 20M QPSK 1RB#50 | 0.481 | 0.251 | -0.19 | 21.57 | 25.00 | 1.060 | Yes |
| Bottom Side | 10mm | 38150/2610 | 20M QPSK 1RB#50 | 0.473 | 0.246 | -0.17 | 21.57 | 25.00 | 1.042 | Yes |

Table 206: Product Specific 10-g SAR test reduction evaluation of LTE Band 38

Note: According to the table above, only Bottom side is required for Product Specific 10-g SAR test in this frequency band.

| Product Specific 10-g SAR | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 10-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|--------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| Main Antenn | | | | | | | | | | | |
| Bottom Side | 0mm | 38150/2610 | 20M QPSK 1RB#99 | 3.410 | 1.110 | -0.12 | 22.64 | 23.00 | 1.206 | Battery 1# | / |
| Bottom Side | 0mm | 37850/2580 | 20M QPSK 50%RB#0 | 3.600 | 1.170 | -0.07 | 22.37 | 23.00 | 1.353 | Battery 1# | / |
| Bottom Side | 0mm | 37850/2580 | 20M QPSK 50%RB#0 | 4.760 | 1.530 | 0.01 | 22.37 | 23.00 | 1.769 | Battery 2# | Yes |
| Bottom Side | 0mm | 38000/2595 | 20M QPSK 50%RB#50 | 3.630 | 1.190 | 0.06 | 22.25 | 23.00 | 1.414 | Battery 2# | / |
| Bottom Side | 0mm | 38150/2610 | 20M QPSK 50%RB#50 | 3.960 | 1.300 | -0.12 | 22.15 | 23.00 | 1.581 | Battery 2# | / |
| Bottom Side | 0mm | 37850/2580(PCC) | 20M QPSK 1RB#99 | 4.100 | 1.350 | -0.03 | 22.19 | 23.00 | 1.627 | Battery 2# | / |
| | | 38048/2599.8(SCC) | 20M QPSK 1RB#0 | | | | | | | | |
| Additional SAR test at a conservative distance(triggering distance minus 1mm) | | | | | | | | | | | |
| Bottom Side | 7mm | 37850/2580 | 20M QPSK 1RB#0 | 1.220 | 0.577 | 0.01 | 23.58 | 24.00 | 0.636 | Battery 1# | / |
| Bottom Side | 7mm | 37850/2580 | 20M QPSK 50%RB#50 | 1.290 | 0.617 | -0.08 | 23.33 | 24.00 | 0.720 | Battery 1# | / |
| Bottom Side | 12mm | 38000/2595 | 20M QPSK 1RB#50 | 0.718 | 0.379 | -0.05 | 24.46 | 25.00 | 0.429 | Battery 2# | / |
| Bottom Side | 12mm | 37850/2580 | 20M QPSK 50%RB#50 | 0.510 | 0.269 | -0.03 | 23.33 | 24.00 | 0.314 | Battery 2# | / |
| Bottom Side | 7mm | 37850/2580(PCC) | 20M QPSK 1RB#99 | 1.010 | 0.488 | -0.10 | 23.03 | 24.00 | 0.610 | Battery 2# | / |
| | | 38048/2599.8(SCC) | 20M QPSK 1RB#0 | | | | | | | | |
| Bottom Side | 12mm | 37850/2580(PCC) | 20M QPSK 1RB#99 | 0.658 | 0.344 | 0.00 | 23.88 | 25.00 | 0.445 | Battery 2# | / |
| | | 38048/2599.8(SCC) | 20M QPSK 1RB#0 | | | | | | | | |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Main Antenna | | | | | | | | | | | |
| Bottom Side | 0mm | 37850/2580 | 20M QPSK 50%RB#0 | 3.640 | 1.240 | 0.09 | 22.37 | 23.00 | 1.434 | Battery 2# | / |
| Bottom Side | 0mm | 37850/2580 | 20M QPSK 50%RB#0 | 3.530 | 1.220 | 0.13 | 22.37 | 23.00 | 1.410 | With SIM2 | / |

Table 207: Product Specific 10-g SAR test results of LTE Band 38

7.2.13 SAR measurement Results of LTE Band 41

| Test Position of Head | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Left cheek | 40473/2578.3 | 20M QPSK 1RB#0 | 0.147 | 0.068 | -0.15 | 17.75 | 18.50 | 0.175 | Battery 1# | / |
| Left tilt | 40473/2578.3 | 20M QPSK 1RB#0 | 0.180 | 0.084 | 0.09 | 17.75 | 18.50 | 0.214 | Battery 1# | / |
| Right cheek | 40473/2578.3 | 20M QPSK 1RB#0 | 0.246 | 0.114 | -0.10 | 17.75 | 18.50 | 0.292 | Battery 1# | / |
| Right tilt | 40473/2578.3 | 20M QPSK 1RB#0 | 0.311 | 0.138 | 0.04 | 17.75 | 18.50 | 0.370 | Battery 1# | / |
| Left cheek | 40140/2545 | 20M QPSK 50%RB#0 | 0.170 | 0.081 | 0.01 | 17.97 | 18.50 | 0.192 | Battery 1# | / |
| Left tilt | 40140/2545 | 20M QPSK 50%RB#0 | 0.211 | 0.100 | -0.01 | 17.97 | 18.50 | 0.238 | Battery 1# | / |
| Right cheek | 40140/2545 | 20M QPSK 50%RB#0 | 0.277 | 0.132 | 0.03 | 17.97 | 18.50 | 0.313 | Battery 1# | / |
| Right tilt | 40140/2545 | 20M QPSK 50%RB#0 | 0.348 | 0.154 | 0.14 | 17.97 | 18.50 | 0.393 | Battery 1# | / |
| Right tilt | 40140/2545 | 20M QPSK 50%RB#0 | 0.522 | 0.232 | -0.02 | 17.97 | 18.50 | 0.590 | Battery 2# | Yes |
| Right tilt | 40473/2578.3 | 20M QPSK 50%RB#0 | 0.431 | 0.197 | -0.05 | 17.96 | 18.50 | 0.488 | Battery 2# | / |
| Right tilt | 40807/2611.7 | 20M QPSK 50%RB#0 | 0.353 | 0.158 | -0.18 | 17.77 | 18.50 | 0.418 | Battery 2# | / |
| Right tilt | 41140/2645 | 20M QPSK 50%RB#0 | 0.300 | 0.131 | 0.00 | 17.76 | 18.50 | 0.356 | Battery 2# | / |
| Right tilt | 40140/2545(PCC) | 20M QPSK 1RB#99 | 0.468 | 0.215 | 0.07 | 17.65 | 18.50 | 0.569 | Battery 2# | / |
| | 40338/2564.8(SCC) | 20M QPSK 1RB#0 | | | | | | | | |
| Test at the best acoustic position | | | | | | | | | | |
| Right tilt | 40140/2545 | 20M QPSK 50%RB#0 | 0.389 | 0.174 | 0.15 | 17.97 | 18.50 | 0.439 | Battery 2# | / |
| Main Antenna | | | | | | | | | | |
| Left cheek | 41140/2645 | 20M QPSK 1RB#0 | 0.089 | 0.046 | -0.08 | 24.31 | 25.00 | 0.104 | Battery 1# | / |
| Left tilt | 41140/2645 | 20M QPSK 1RB#0 | 0.076 | 0.035 | 0.17 | 24.31 | 25.00 | 0.089 | Battery 1# | / |
| Right cheek | 41140/2645 | 20M QPSK 1RB#0 | 0.139 | 0.074 | 0.19 | 24.31 | 25.00 | 0.163 | Battery 1# | / |
| Right tilt | 41140/2645 | 20M QPSK 1RB#0 | 0.044 | 0.021 | 0.13 | 24.31 | 25.00 | 0.051 | Battery 1# | / |
| Left cheek | 41140/2645 | 20M QPSK 50%RB#50 | 0.069 | 0.036 | 0.19 | 23.39 | 24.00 | 0.080 | Battery 1# | / |
| Left tilt | 41140/2645 | 20M QPSK 50%RB#50 | 0.061 | 0.029 | 0.16 | 23.39 | 24.00 | 0.070 | Battery 1# | / |
| Right cheek | 41140/2645 | 20M QPSK 50%RB#50 | 0.106 | 0.053 | 0.19 | 23.39 | 24.00 | 0.122 | Battery 1# | / |
| Right tilt | 41140/2645 | 20M QPSK 50%RB#50 | 0.040 | 0.019 | 0.12 | 23.39 | 24.00 | 0.045 | Battery 1# | / |
| Right cheek | 41140/2645 | 20M QPSK 1RB#0 | 0.118 | 0.059 | -0.07 | 24.31 | 25.00 | 0.138 | Battery 2# | / |
| Right cheek | 40140/2545 | 20M QPSK 1RB#50 | 0.147 | 0.081 | 0.14 | 24.27 | 25.00 | 0.174 | Battery 1# | / |
| Right cheek | 40473/2578.3 | 20M QPSK 1RB#50 | 0.153 | 0.083 | -0.04 | 24.05 | 25.00 | 0.190 | Battery 1# | Yes |
| Right cheek | 40807/2611.7 | 20M QPSK 1RB#50 | 0.140 | 0.076 | -0.11 | 24.16 | 25.00 | 0.170 | Battery 1# | / |
| Right cheek | 40140/2545(PCC) | 20M QPSK 1RB#99 | 0.120 | 0.061 | 0.12 | 24.15 | 25.00 | 0.146 | Battery 1# | / |
| | 40338/2564.8(SCC) | 20M QPSK 1RB#0 | | | | | | | | |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Right tilt | 40140/2545 | 20M QPSK 50%RB#0 | 0.257 | 0.108 | 0.04 | 17.97 | 18.50 | 0.290 | Battery 2# | / |
| Right tilt | 40140/2545 | 20M QPSK 50%RB#0 | 0.256 | 0.107 | -0.06 | 17.97 | 18.50 | 0.289 | Battery 2# | / |
| Main Antenna | | | | | | | | | | |
| Right cheek | 40473/2578.3 | 20M QPSK 1RB#50 | 0.111 | 0.059 | 0.13 | 24.05 | 25.00 | 0.138 | Battery 1# | / |
| Right cheek | 40473/2578.3 | 20M QPSK 1RB#50 | 0.113 | 0.060 | 0.02 | 24.05 | 25.00 | 0.141 | With SIM2 | / |

Table 208: Head SAR test results of LTE Band 41

| Test Position of Body-Worn | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 15mm | 40473/2578.3 | 20M QPSK 1RB#0 | 0.085 | 0.047 | 0.06 | 22.78 | 23.50 | 0.100 | Battery 1# | / |
| Back Side | 15mm | 40473/2578.3 | 20M QPSK 1RB#0 | 0.224 | 0.111 | 0.19 | 22.78 | 23.50 | 0.264 | Battery 1# | / |
| Front Side | 15mm | 40473/2578.3 | 20M QPSK 50%RB#0 | 0.066 | 0.037 | 0.16 | 21.97 | 22.50 | 0.075 | Battery 1# | / |
| Back Side | 15mm | 40473/2578.3 | 20M QPSK 50%RB#0 | 0.176 | 0.086 | -0.05 | 21.97 | 22.50 | 0.199 | Battery 1# | / |
| Back Side | 15mm | 40473/2578.3 | 20M QPSK 1RB#0 | 0.218 | 0.109 | 0.04 | 22.78 | 23.50 | 0.257 | Battery 2# | / |
| Back Side | 15mm | 40140/2545 | 20M QPSK 1RB#99 | 0.252 | 0.127 | 0.18 | 22.71 | 23.50 | 0.302 | Battery 1# | Yes |
| Back Side | 15mm | 40807/2611.7 | 20M QPSK 1RB#0 | 0.174 | 0.086 | 0.11 | 22.35 | 23.50 | 0.227 | Battery 1# | / |
| Back Side | 15mm | 41140/2645 | 20M QPSK 1RB#99 | 0.152 | 0.071 | -0.18 | 22.47 | 23.50 | 0.193 | Battery 1# | / |
| Back Side | 15mm | 40140/2545(PCC) | 20M QPSK 1RB#99 | 0.182 | 0.091 | 0.07 | 22.55 | 23.50 | 0.227 | Battery 1# | / |
| | | 40338/2564.8(SCC) | 20M QPSK 1RB#0 | | | | | | | | |
| Main Antenna | | | | | | | | | | | |
| Front Side | 15mm | 41140/2645 | 20M QPSK 1RB#0 | 0.211 | 0.111 | 0.16 | 24.31 | 25.00 | 0.247 | Battery 1# | / |
| Back Side | 15mm | 41140/2645 | 20M QPSK 1RB#0 | 0.290 | 0.154 | -0.10 | 24.31 | 25.00 | 0.340 | Battery 1# | / |
| Front Side | 15mm | 41140/2645 | 20M QPSK 50%RB#50 | 0.156 | 0.082 | 0.08 | 23.39 | 24.00 | 0.180 | Battery 1# | / |
| Back Side | 15mm | 41140/2645 | 20M QPSK 50%RB#50 | 0.231 | 0.122 | 0.04 | 23.39 | 24.00 | 0.266 | Battery 1# | / |
| Back Side | 15mm | 41140/2645 | 20M QPSK 1RB#0 | 0.315 | 0.166 | 0.05 | 24.31 | 25.00 | 0.369 | Battery 2# | Yes |
| Back Side | 15mm | 40140/2545 | 20M QPSK 1RB#50 | 0.277 | 0.151 | 0.02 | 24.27 | 25.00 | 0.328 | Battery 2# | / |
| Back Side | 15mm | 40473/2578.3 | 20M QPSK 1RB#50 | 0.277 | 0.147 | -0.12 | 24.05 | 25.00 | 0.345 | Battery 2# | / |
| Back Side | 15mm | 40807/2611.7 | 20M QPSK 1RB#50 | 0.296 | 0.158 | 0.04 | 24.16 | 25.00 | 0.359 | Battery 2# | / |
| Back Side | 15mm | 40140/2545(PCC) | 20M QPSK 1RB#99 | 0.207 | 0.113 | 0.18 | 24.15 | 25.00 | 0.252 | Battery 2# | / |
| | | 40338/2564.8(SCC) | 20M QPSK 1RB#0 | | | | | | | | |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Back Side | 15mm | 40140/2545 | 20M QPSK 1RB#99 | 0.190 | 0.095 | -0.13 | 22.71 | 23.50 | 0.228 | Battery 1# | / |
| Back Side | 15mm | 40140/2545 | 20M QPSK 1RB#99 | 0.190 | 0.093 | 0.18 | 22.71 | 23.50 | 0.228 | With SIM2 | / |
| Main Antenna | | | | | | | | | | | |
| Back Side | 15mm | 41140/2645 | 20M QPSK 1RB#0 | 0.236 | 0.124 | -0.08 | 24.31 | 25.00 | 0.277 | Battery 2# | / |
| Back Side | 15mm | 41140/2645 | 20M QPSK 1RB#0 | 0.230 | 0.121 | 0.09 | 24.31 | 25.00 | 0.270 | Battery 2# | / |

Table 209: Body Worn SAR test results of LTE Band 41

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Front Side | 10mm | 40473/2578.3 | 20M QPSK 1RB#99 | 0.091 | 0.048 | 0.06 | 20.94 | 21.50 | 0.104 | Battery 1# | / |
| Back Side | 10mm | 40473/2578.3 | 20M QPSK 1RB#99 | 0.345 | 0.150 | 0.02 | 20.94 | 21.50 | 0.392 | Battery 1# | / |
| Left Side | 10mm | 40473/2578.3 | 20M QPSK 1RB#99 | 0.032 | 0.016 | -0.11 | 20.94 | 21.50 | 0.037 | Battery 1# | / |
| Top Side | 10mm | 40473/2578.3 | 20M QPSK 1RB#99 | 0.260 | 0.132 | 0.11 | 20.94 | 21.50 | 0.296 | Battery 1# | / |
| Front Side | 10mm | 40473/2578.3 | 20M QPSK 50%RB#25 | 0.098 | 0.051 | -0.19 | 21.03 | 21.50 | 0.109 | Battery 1# | / |
| Back Side | 10mm | 40473/2578.3 | 20M QPSK 50%RB#25 | 0.282 | 0.126 | 0.17 | 21.03 | 21.50 | 0.314 | Battery 1# | / |
| Left Side | 10mm | 40473/2578.3 | 20M QPSK 50%RB#25 | 0.034 | 0.016 | 0.12 | 21.03 | 21.50 | 0.038 | Battery 1# | / |
| Top Side | 10mm | 40473/2578.3 | 20M QPSK 50%RB#25 | 0.244 | 0.127 | -0.10 | 21.03 | 21.50 | 0.272 | Battery 1# | / |
| Back Side | 10mm | 40473/2578.3 | 20M QPSK 1RB#99 | 0.345 | 0.152 | 0.14 | 20.94 | 21.50 | 0.392 | Battery 2# | / |
| Back Side | 10mm | 40140/2545 | 20M QPSK 1RB#99 | 0.359 | 0.160 | 0.14 | 20.77 | 21.50 | 0.425 | Battery 2# | Yes |
| Back Side | 10mm | 40807/2611.7 | 20M QPSK 1RB#99 | 0.277 | 0.121 | 0.12 | 20.47 | 21.50 | 0.351 | Battery 2# | / |
| Back Side | 10mm | 41140/2645 | 20M QPSK 1RB#99 | 0.223 | 0.094 | 0.10 | 20.65 | 21.50 | 0.271 | Battery 2# | / |
| Back Side | 10mm | 40140/2545(PCC) | 20M QPSK 1RB#99 | 0.343 | 0.152 | 0.19 | 20.71 | 21.50 | 0.411 | Battery 2# | / |
| | | 40338/2564.8(SCC) | 20M QPSK 1RB#0 | | | | | | | | |
| Main Antenna | | | | | | | | | | | |
| Front Side | 10mm | 40140/2545 | 20M QPSK 1RB#50 | 0.270 | 0.138 | -0.08 | 22.40 | 23.00 | 0.310 | Battery 1# | / |
| Back Side | 10mm | 40140/2545 | 20M QPSK 1RB#50 | 0.369 | 0.191 | 0.13 | 22.40 | 23.00 | 0.424 | Battery 1# | / |
| Left Side | 10mm | 40140/2545 | 20M QPSK 1RB#50 | 0.051 | 0.030 | 0.15 | 22.40 | 23.00 | 0.059 | Battery 1# | / |
| Right Side | 10mm | 40140/2545 | 20M QPSK 1RB#50 | 0.062 | 0.034 | 0.17 | 22.40 | 23.00 | 0.071 | Battery 1# | / |
| Bottom Side | 10mm | 40140/2545 | 20M QPSK 1RB#50 | 0.712 | 0.355 | 0.15 | 22.40 | 23.00 | 0.817 | Battery 1# | / |
| Bottom Side | 10mm | 40473/2578.3 | 20M QPSK 1RB#99 | 0.662 | 0.319 | 0.16 | 22.35 | 23.00 | 0.769 | Battery 1# | / |
| Bottom Side | 10mm | 40807/2611.7 | 20M QPSK 1RB#50 | 0.755 | 0.370 | 0.10 | 22.33 | 23.00 | 0.881 | Battery 1# | Yes |
| Bottom Side | 10mm | 41140/2645 | 20M QPSK 1RB#99 | 0.713 | 0.337 | 0.12 | 22.32 | 23.00 | 0.834 | Battery 1# | / |
| Front Side | 10mm | 41140/2645 | 20M QPSK 50%RB#25 | 0.264 | 0.133 | 0.18 | 22.46 | 23.00 | 0.299 | Battery 1# | / |
| Back Side | 10mm | 41140/2645 | 20M QPSK 50%RB#25 | 0.249 | 0.172 | 0.07 | 22.46 | 23.00 | 0.282 | Battery 1# | / |
| Left Side | 10mm | 41140/2645 | 20M QPSK 50%RB#25 | 0.042 | 0.025 | 0.10 | 22.46 | 23.00 | 0.048 | Battery 1# | / |
| Right Side | 10mm | 41140/2645 | 20M QPSK 50%RB#25 | 0.045 | 0.025 | 0.12 | 22.46 | 23.00 | 0.051 | Battery 1# | / |
| Bottom Side | 10mm | 41140/2645 | 20M QPSK 50%RB#25 | 0.500 | 0.238 | 0.02 | 22.46 | 23.00 | 0.566 | Battery 1# | / |
| Bottom Side | 10mm | 41140/2645 | 20M QPSK 100%RB#0 | 0.674 | 0.328 | 0.13 | 22.37 | 23.00 | 0.779 | Battery 1# | / |
| Bottom Side | 10mm | 40807/2611.7 | 20M QPSK 1RB#50 | 0.667 | 0.321 | 0.19 | 22.33 | 23.00 | 0.778 | Battery 2# | / |
| Bottom Side | 10mm | 40140/2545(PCC) | 20M QPSK 1RB#99 | 0.573 | 0.289 | 0.15 | 22.20 | 23.00 | 0.689 | Battery 1# | / |
| | | 40338/2564.8(SCC) | 20M QPSK 1RB#0 | | | | | | | | |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Second Antenna | | | | | | | | | | | |
| Back Side | 10mm | 40140/2545 | 20M QPSK 1RB#99 | 0.288 | 0.128 | -0.15 | 20.77 | 21.50 | 0.341 | Battery 2# | / |
| Back Side | 10mm | 40140/2545 | 20M QPSK 1RB#99 | 0.273 | 0.123 | 0.18 | 20.77 | 21.50 | 0.323 | With SIM2 | / |
| Main Antenna | | | | | | | | | | | |
| Bottom Side | 10mm | 40807/2611.7 | 20M QPSK 1RB#50 | 0.498 | 0.239 | 0.02 | 22.33 | 23.00 | 0.581 | Battery 1# | / |
| Bottom Side | 10mm | 40807/2611.7 | 20M QPSK 1RB#50 | 0.445 | 0.216 | 0.03 | 22.33 | 23.00 | 0.519 | Battery 1# | / |

Table 210: Hotspot SAR test results of LTE Band 41



Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Max Power Without Reduction | Scaled-up 1-g SAR (W/kg) | Product Specific 10-g SAR Exclusion |
|---|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|-----------------------------|--------------------------|-------------------------------------|
| | | | | 1-g | 10-g | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Front Side | 10mm | 40473/2578.3 | 20M QPSK 1RB#99 | 0.091 | 0.048 | 0.06 | 20.94 | 23.50 | 0.164 | Yes |
| Back Side | 10mm | 40473/2578.3 | 20M QPSK 1RB#99 | 0.345 | 0.150 | 0.02 | 20.94 | 23.50 | 0.622 | Yes |
| Left Side | 10mm | 40473/2578.3 | 20M QPSK 1RB#99 | 0.032 | 0.016 | -0.11 | 20.94 | 23.50 | 0.058 | Yes |
| Top Side | 10mm | 40473/2578.3 | 20M QPSK 1RB#99 | 0.260 | 0.132 | 0.11 | 20.94 | 23.50 | 0.469 | Yes |
| Front Side | 10mm | 40473/2578.3 | 20M QPSK 50%RB#25 | 0.098 | 0.051 | -0.19 | 21.03 | 22.50 | 0.137 | Yes |
| Back Side | 10mm | 40473/2578.3 | 20M QPSK 50%RB#25 | 0.282 | 0.126 | 0.17 | 21.03 | 22.50 | 0.396 | Yes |
| Left Side | 10mm | 40473/2578.3 | 20M QPSK 50%RB#25 | 0.034 | 0.016 | 0.12 | 21.03 | 22.50 | 0.047 | Yes |
| Top Side | 10mm | 40473/2578.3 | 20M QPSK 50%RB#25 | 0.244 | 0.127 | -0.10 | 21.03 | 22.50 | 0.342 | Yes |
| Back Side | 10mm | 40473/2578.3 | 20M QPSK 1RB#99 | 0.345 | 0.152 | 0.14 | 20.94 | 23.50 | 0.622 | Yes |
| Back Side | 10mm | 40140/2545 | 20M QPSK 1RB#99 | 0.359 | 0.160 | 0.14 | 20.77 | 23.50 | 0.673 | Yes |
| Back Side | 10mm | 40807/2611.7 | 20M QPSK 1RB#99 | 0.277 | 0.121 | 0.12 | 20.47 | 23.50 | 0.557 | Yes |
| Back Side | 10mm | 41140/2645 | 20M QPSK 1RB#99 | 0.223 | 0.094 | 0.10 | 20.65 | 23.50 | 0.430 | Yes |
| Back Side | 10mm | 40140/2545(PCC) | 20M QPSK 1RB#99 | 0.343 | 0.152 | 0.19 | 20.71 | 23.50 | 0.652 | Yes |
| | | 40338/2564.8(SCC) | 20M QPSK 1RB#0 | | | | | | | |
| Main Antenna | | | | | | | | | | |
| Front Side | 10mm | 40140/2545 | 20M QPSK 1RB#50 | 0.270 | 0.138 | -0.08 | 22.40 | 25.00 | 0.491 | Yes |
| Back Side | 10mm | 40140/2545 | 20M QPSK 1RB#50 | 0.369 | 0.191 | 0.13 | 22.40 | 25.00 | 0.671 | Yes |
| Left Side | 10mm | 40140/2545 | 20M QPSK 1RB#50 | 0.051 | 0.030 | 0.15 | 22.40 | 25.00 | 0.093 | Yes |
| Right Side | 10mm | 40140/2545 | 20M QPSK 1RB#50 | 0.062 | 0.034 | 0.17 | 22.40 | 25.00 | 0.113 | Yes |
| Bottom Side | 10mm | 40140/2545 | 20M QPSK 1RB#50 | 0.712 | 0.355 | 0.15 | 22.40 | 25.00 | 1.296 | No |
| Bottom Side | 10mm | 40473/2578.3 | 20M QPSK 1RB#99 | 0.662 | 0.319 | 0.16 | 22.35 | 25.00 | 1.219 | No |
| Bottom Side | 10mm | 40807/2611.7 | 20M QPSK 1RB#50 | 0.755 | 0.370 | 0.10 | 22.33 | 25.00 | 1.396 | No |
| Bottom Side | 10mm | 41140/2645 | 20M QPSK 1RB#99 | 0.713 | 0.337 | 0.12 | 22.32 | 25.00 | 1.322 | No |
| Front Side | 10mm | 41140/2645 | 20M QPSK 50%RB#25 | 0.264 | 0.133 | 0.18 | 22.46 | 24.00 | 0.376 | Yes |
| Back Side | 10mm | 41140/2645 | 20M QPSK 50%RB#25 | 0.249 | 0.172 | 0.07 | 22.46 | 24.00 | 0.355 | Yes |
| Left Side | 10mm | 41140/2645 | 20M QPSK 50%RB#25 | 0.042 | 0.025 | 0.10 | 22.46 | 24.00 | 0.060 | Yes |
| Right Side | 10mm | 41140/2645 | 20M QPSK 50%RB#25 | 0.045 | 0.025 | 0.12 | 22.46 | 24.00 | 0.064 | Yes |
| Bottom Side | 10mm | 41140/2645 | 20M QPSK 50%RB#25 | 0.500 | 0.238 | 0.02 | 22.46 | 24.00 | 0.713 | Yes |
| Bottom Side | 10mm | 41140/2645 | 20M QPSK 100%RB#0 | 0.674 | 0.328 | 0.13 | 22.37 | 24.00 | 0.981 | Yes |
| Bottom Side | 10mm | 40807/2611.7 | 20M QPSK 1RB#50 | 0.667 | 0.321 | 0.19 | 22.33 | 25.00 | 1.233 | No |
| Bottom Side | 10mm | 40140/2545(PCC) | 20M QPSK 1RB#99 | 0.573 | 0.289 | 0.15 | 22.20 | 25.00 | 1.092 | Yes |
| | | 40338/2564.8(SCC) | 20M QPSK 1RB#0 | | | | | | | |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | |
| Second Antenna | | | | | | | | | | |
| Back Side | 10mm | 40140/2545 | 20M QPSK 1RB#99 | 0.288 | 0.128 | -0.15 | 20.77 | 23.50 | 0.540 | Yes |
| Back Side | 10mm | 40140/2545 | 20M QPSK 1RB#99 | 0.273 | 0.123 | 0.18 | 20.77 | 23.50 | 0.512 | Yes |

| Main Antenna | | | | | | | | | | |
|--------------|------|--------------|-----------------|-------|-------|------|-------|-------|-------|-----|
| Bottom Side | 10mm | 40807/2611.7 | 20M QPSK 1RB#50 | 0.498 | 0.239 | 0.02 | 22.33 | 25.00 | 0.921 | Yes |
| Bottom Side | 10mm | 40807/2611.7 | 20M QPSK 1RB#50 | 0.445 | 0.216 | 0.03 | 22.33 | 25.00 | 0.823 | Yes |

Table 211: Product Specific 10-g SAR test reduction evaluation of LTE Band 41

Note: According to the table above, only Bottom side is required for Product Specific 10-g SAR test in this frequency band.

| Product Specific 10-g SAR | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) | | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 10-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|--------------------------|-----------------------|-----------|
| | | | | 1-g | 10-g | | | | | | |
| VOG-L04 test data from original report(report no.SYBH(Z-SAR)20181218028001-2) | | | | | | | | | | | |
| Main Antenna | | | | | | | | | | | |
| Bottom Side | 0mm | 41140/2645 | 20M QPSK 1RB#0 | 6.770 | 2.140 | 0.15 | 24.31 | 25.00 | 2.508 | Battery 1# | / |
| Bottom Side | 0mm | 40140/2545 | 20M QPSK 1RB#50 | 5.610 | 1.930 | 0.10 | 24.27 | 25.00 | 2.283 | Battery 1# | / |
| Bottom Side | 0mm | 40473/2578.3 | 20M QPSK 1RB#50 | 7.130 | 2.270 | 0.10 | 24.05 | 25.00 | 2.825 | Battery 1# | / |
| Bottom Side | 0mm | 40807/2611.7 | 20M QPSK 1RB#50 | 7.710 | 2.440 | 0.12 | 24.16 | 25.00 | 2.961 | Battery 1# | Yes |
| Bottom Side Repeat | 0mm | 40807/2611.7 | 20M QPSK 1RB#50 | 6.530 | 2.070 | -0.19 | 24.16 | 25.00 | 2.512 | Battery 1# | / |
| Bottom Side | 0mm | 41140/2645 | 20M QPSK 50%RB#50 | 4.240 | 1.410 | 0.17 | 23.39 | 24.00 | 1.623 | Battery 1# | / |
| Bottom Side | 0mm | 41140/2645 | 20M QPSK 100%RB#0 | 4.770 | 1.480 | 0.11 | 23.32 | 24.00 | 1.731 | Battery 1# | / |
| Bottom Side | 0mm | 40807/2611.7 | 20M QPSK 1RB#50 | 6.300 | 1.990 | 0.11 | 24.16 | 25.00 | 2.415 | Battery 2# | / |
| Bottom Side | 0mm | 40140/2545(PCC) | 20M QPSK 1RB#99 | 5.780 | 1.850 | 0.10 | 24.15 | 25.00 | 2.250 | Battery 1# | / |
| | | 40338/2564.8(SCC) | 20M QPSK 1RB#0 | | | | | | | | |
| VOG-L29 test data at worst case of VOG-L04 | | | | | | | | | | | |
| Main Antenna | | | | | | | | | | | |
| Bottom Side | 0mm | 40807/2611.7 | 20M QPSK 1RB#50 | 5.570 | 1.770 | -0.04 | 24.16 | 25.00 | 2.148 | Battery 1# | / |
| Bottom Side | 0mm | 40807/2611.7 | 20M QPSK 1RB#50 | 5.380 | 1.690 | 0.16 | 24.16 | 25.00 | 2.051 | With SIM2 | / |

Table 212: Product Specific 10-g SAR test results of LTE Band 41