

## **Annex F. SAR Test Result**

SAR Results for Body Exposure Condition.

**Note:**

1. SAR testing for WLAN was performed on the maximum power mode.
2. SAR testing for LTE was performed on the maximum power mode.
3. The “< 0.001” means there is no SAR value or the SAR is too low to be measured.

## SAR Test Result

| System & Position |          |                 |               |                          |         |     |           | DUT        | SAR        |              |                          |                                |                |                  |                        |                      |
|-------------------|----------|-----------------|---------------|--------------------------|---------|-----|-----------|------------|------------|--------------|--------------------------|--------------------------------|----------------|------------------|------------------------|----------------------|
| Plot No.          | Band     | Mode            | Test Position | Separation Distance (mm) | Channel | RB# | RB offset | Ant Status | Duty Cycle | Crest Factor | Max. Tune-up Power (dBm) | Measured Conducted Power (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR-1g (W/kg) | Scaled SAR-1g (W/kg) |
| 1                 | WCDMA II | HSUPA Subtest-5 | Front Face    | 10                       | 9262    |     |           | Ant 1      | -          | 1.00         | 22.00                    | 21.27                          | 1.18           | -0.03            | 0.809                  | 0.95                 |
|                   | WCDMA II | HSUPA Subtest-5 | Rear Face     | 10                       | 9262    |     |           | Ant 1      | -          | 1.00         | 22.00                    | 21.27                          | 1.18           | -0.04            | 0.783                  | 0.92                 |
|                   | WCDMA II | HSUPA Subtest-5 | Left Side     | 10                       | 9262    |     |           | Ant 1      | -          | 1.00         | 22.00                    | 21.27                          | 1.18           | -0.17            | 0.057                  | 0.07                 |
|                   | WCDMA II | HSUPA Subtest-5 | Right Side    | 10                       | 9262    |     |           | Ant 1      | -          | 1.00         | 22.00                    | 21.27                          | 1.18           | -0.13            | 0.257                  | 0.30                 |
|                   | WCDMA II | HSUPA Subtest-5 | Top Side      | 10                       | 9262    |     |           | Ant 1      | -          | 1.00         | 22.00                    | 21.27                          | 1.18           | 0.16             | 0.581                  | 0.69                 |
|                   | WCDMA II | HSUPA Subtest-5 | Bottom Side   | 10                       | 9262    |     |           | Ant 1      | -          | 1.00         | 22.00                    | 21.27                          | 1.18           | -0.11            | 0.072                  | 0.08                 |
|                   | WCDMA II | HSUPA Subtest-5 | Front Face    | 10                       | 9400    |     |           | Ant 1      | -          | 1.00         | 22.00                    | 21.15                          | 1.22           | 0.13             | 0.773                  | 0.94                 |
|                   | WCDMA II | HSUPA Subtest-5 | Front Face    | 10                       | 9538    |     |           | Ant 1      | -          | 1.00         | 22.00                    | 21.23                          | 1.19           | 0.02             | 0.77                   | 0.92                 |
|                   | WCDMA II | HSUPA Subtest-5 | Rear Face     | 10                       | 9400    |     |           | Ant 1      | -          | 1.00         | 22.00                    | 21.15                          | 1.22           | -0.05            | 0.738                  | 0.90                 |
|                   | WCDMA II | HSUPA Subtest-5 | Rear Face     | 10                       | 9538    |     |           | Ant 1      | -          | 1.00         | 22.00                    | 21.23                          | 1.19           | -0.17            | 0.725                  | 0.86                 |
|                   | WCDMA II | HSUPA Subtest-5 | Front Face    | 10                       | 9262    |     |           | Ant 1      | -          | 1.00         | 22.00                    | 21.27                          | 1.18           | 0.08             | 0.797                  | 0.94                 |
|                   |          |                 |               |                          |         |     |           |            |            |              |                          |                                |                |                  |                        |                      |
|                   | WCDMA V  | HSUPA Subtest-5 | Front Face    | 10                       | 4132    |     |           | Ant 2      | -          | 1.00         | 21.50                    | 21.46                          | 1.01           | -0.12            | 0.272                  | 0.27                 |
|                   | WCDMA V  | HSUPA Subtest-5 | Rear Face     | 10                       | 4132    |     |           | Ant 2      | -          | 1.00         | 21.50                    | 21.46                          | 1.01           | 0.15             | 0.208                  | 0.21                 |
|                   | WCDMA V  | HSUPA Subtest-5 | Left Side     | 10                       | 4132    |     |           | Ant 2      | -          | 1.00         | 21.50                    | 21.46                          | 1.01           | 0                | <0.001                 | 0.00                 |
|                   | WCDMA V  | HSUPA Subtest-5 | Right Side    | 10                       | 4132    |     |           | Ant 2      | -          | 1.00         | 21.50                    | 21.46                          | 1.01           | -0.18            | 0.046                  | 0.05                 |
|                   | WCDMA V  | HSUPA Subtest-5 | Top Side      | 10                       | 4132    |     |           | Ant 2      | -          | 1.00         | 21.50                    | 21.46                          | 1.01           | -0.02            | 0.085                  | 0.09                 |
|                   | WCDMA V  | HSUPA Subtest-5 | Bottom Side   | 10                       | 4132    |     |           | Ant 2      | -          | 1.00         | 21.50                    | 21.46                          | 1.01           | -0.08            | 0.049                  | 0.05                 |
|                   | WCDMA V  | HSUPA Subtest-5 | Front Face    | 10                       | 4182    |     |           | Ant 2      | -          | 1.00         | 21.50                    | 21.43                          | 1.02           | -0.05            | 0.30                   | 0.31                 |
| 2                 | WCDMA V  | HSUPA Subtest-5 | Front Face    | 10                       | 4233    |     |           | Ant 2      | -          | 1.00         | 21.50                    | 21.28                          | 1.05           | -0.07            | 0.330                  | 0.35                 |
|                   |          |                 |               |                          |         |     |           |            |            |              |                          |                                |                |                  |                        |                      |
| 3                 | LTE 5    | QPSK10M         | Front Face    | 10                       | 20525   | 1   | 0         | Ant 2      | -          | 1.00         | 24.30                    | 23.27                          | 1.27           | -0.05            | 0.366                  | 0.46                 |
|                   | LTE 5    | QPSK10M         | Rear Face     | 10                       | 20525   | 1   | 0         | Ant 2      | -          | 1.00         | 24.30                    | 23.27                          | 1.27           | 0.01             | 0.309                  | 0.39                 |
|                   | LTE 5    | QPSK10M         | Left Side     | 10                       | 20525   | 1   | 0         | Ant 2      | -          | 1.00         | 24.30                    | 23.27                          | 1.27           | 0                | <0.001                 | 0.00                 |
|                   | LTE 5    | QPSK10M         | Right Side    | 10                       | 20525   | 1   | 0         | Ant 2      | -          | 1.00         | 24.30                    | 23.27                          | 1.27           | 0.15             | 0.095                  | 0.12                 |
|                   | LTE 5    | QPSK10M         | Top Side      | 10                       | 20525   | 1   | 0         | Ant 2      | -          | 1.00         | 24.30                    | 23.27                          | 1.27           | 0.13             | 0.133                  | 0.17                 |
|                   | LTE 5    | QPSK10M         | Bottom Side   | 10                       | 20525   | 1   | 0         | Ant 2      | -          | 1.00         | 24.30                    | 23.27                          | 1.27           | -0.02            | 0.077                  | 0.10                 |
|                   | LTE 5    | QPSK10M         | Front Face    | 10                       | 20525   | 25  | 0         | Ant 2      | -          | 1.00         | 23.30                    | 22.23                          | 1.28           | 0.17             | 0.287                  | 0.37                 |
|                   | LTE 5    | QPSK10M         | Rear Face     | 10                       | 20525   | 25  | 0         | Ant 2      | -          | 1.00         | 23.30                    | 22.23                          | 1.28           | -0.04            | 0.244                  | 0.31                 |
|                   | LTE 5    | QPSK10M         | Left Side     | 10                       | 20525   | 25  | 0         | Ant 2      | -          | 1.00         | 23.30                    | 22.23                          | 1.28           | 0                | <0.001                 | 0.00                 |
|                   | LTE 5    | QPSK10M         | Right Side    | 10                       | 20525   | 25  | 0         | Ant 2      | -          | 1.00         | 23.30                    | 22.23                          | 1.28           | 0.12             | 0.08                   | 0.10                 |
|                   | LTE 5    | QPSK10M         | Top Side      | 10                       | 20525   | 25  | 0         | Ant 2      | -          | 1.00         | 23.30                    | 22.23                          | 1.28           | 0.02             | 0.103                  | 0.13                 |
|                   | LTE 5    | QPSK10M         | Bottom Side   | 10                       | 20525   | 25  | 0         | Ant 2      | -          | 1.00         | 23.30                    | 22.23                          | 1.28           | -0.11            | 0.067                  | 0.09                 |
|                   | LTE 5    | QPSK10M         | Front Face    | 10                       | 20450   | 1   | 0         | Ant 2      | -          | 1.00         | 24.30                    | 23.23                          | 1.28           | 0.03             | 0.293                  | 0.38                 |
|                   | LTE 5    | QPSK10M         | Front Face    | 10                       | 20600   | 1   | 0         | Ant 2      | -          | 1.00         | 24.30                    | 23.21                          | 1.29           | 0.13             | 0.323                  | 0.42                 |
|                   |          |                 |               |                          |         |     |           |            |            |              |                          |                                |                |                  |                        |                      |

## SAR Test Result

| System & Position |          |         |               |                          |         |     |           | DUT        | SAR        |              |                          |                                |                |                  |                        |                      |
|-------------------|----------|---------|---------------|--------------------------|---------|-----|-----------|------------|------------|--------------|--------------------------|--------------------------------|----------------|------------------|------------------------|----------------------|
| Plot No.          | Band     | Mode    | Test Position | Separation Distance (mm) | Channel | RB# | RB offset | Ant Status | Duty Cycle | Crest Factor | Max. Tune-up Power (dBm) | Measured Conducted Power (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR-1g (W/kg) | Scaled SAR-1g (W/kg) |
| 4                 | LTE 17   | QPSK10M | Front Face    | 10                       | 23790   | 1   | 0         | Ant 2      | -          | 1.00         | 24.30                    | 23.34                          | 1.25           | -0.08            | 0.316                  | 0.40                 |
|                   | LTE 17   | QPSK10M | Rear Face     | 10                       | 23790   | 1   | 0         | Ant 2      | -          | 1.00         | 24.30                    | 23.34                          | 1.25           | -0.12            | 0.209                  | 0.26                 |
|                   | LTE 17   | QPSK10M | Left Side     | 10                       | 23790   | 1   | 0         | Ant 2      | -          | 1.00         | 24.30                    | 23.34                          | 1.25           | 0                | <0.001                 | 0.00                 |
|                   | LTE 17   | QPSK10M | Right Side    | 10                       | 23790   | 1   | 0         | Ant 2      | -          | 1.00         | 24.30                    | 23.34                          | 1.25           | 0.03             | 0.075                  | 0.09                 |
|                   | LTE 17   | QPSK10M | Top Side      | 10                       | 23790   | 1   | 0         | Ant 2      | -          | 1.00         | 24.30                    | 23.34                          | 1.25           | 0.16             | 0.095                  | 0.12                 |
|                   | LTE 17   | QPSK10M | Bottom Side   | 10                       | 23790   | 1   | 0         | Ant 2      | -          | 1.00         | 24.30                    | 23.34                          | 1.25           | -0.15            | 0.06                   | 0.08                 |
|                   | LTE 17   | QPSK10M | Front Face    | 10                       | 23790   | 25  | 0         | Ant 2      | -          | 1.00         | 23.30                    | 22.13                          | 1.31           | 0.08             | 0.281                  | 0.37                 |
|                   | LTE 17   | QPSK10M | Rear Face     | 10                       | 23790   | 25  | 0         | Ant 2      | -          | 1.00         | 23.30                    | 22.13                          | 1.31           | -0.12            | 0.217                  | 0.28                 |
|                   | LTE 17   | QPSK10M | Left Side     | 10                       | 23790   | 25  | 0         | Ant 2      | -          | 1.00         | 23.30                    | 22.13                          | 1.31           | 0                | <0.001                 | 0.00                 |
|                   | LTE 17   | QPSK10M | Right Side    | 10                       | 23790   | 25  | 0         | Ant 2      | -          | 1.00         | 23.30                    | 22.13                          | 1.31           | 0.16             | 0.082                  | 0.11                 |
|                   | LTE 17   | QPSK10M | Top Side      | 10                       | 23790   | 25  | 0         | Ant 2      | -          | 1.00         | 23.30                    | 22.13                          | 1.31           | 0.13             | 0.092                  | 0.12                 |
|                   | LTE 17   | QPSK10M | Bottom Side   | 10                       | 23790   | 25  | 0         | Ant 2      | -          | 1.00         | 23.30                    | 22.13                          | 1.31           | -0.11            | 0.051                  | 0.07                 |
|                   | LTE 17   | QPSK10M | Front Face    | 10                       | 23780   | 1   | 0         | Ant 2      | -          | 1.00         | 24.30                    | 23.13                          | 1.31           | 0.16             | 0.245                  | 0.32                 |
|                   | LTE 17   | QPSK10M | Front Face    | 10                       | 23800   | 1   | 0         | Ant 2      | -          | 1.00         | 24.30                    | 23.22                          | 1.28           | -0.01            | 0.27                   | 0.35                 |
|                   |          |         |               |                          |         |     |           |            |            |              |                          |                                |                |                  |                        |                      |
|                   | WLAN2.4G | 802.11b | Front Face    | 10                       | 11      |     |           | Ant 0      | 98.50      | 1.02         | 14.00                    | 14.00                          | 1.00           | -0.12            | 0.03                   | 0.03                 |
|                   | WLAN2.4G | 802.11b | Rear Face     | 10                       | 11      |     |           | Ant 0      | 98.50      | 1.02         | 14.00                    | 14.00                          | 1.00           | 0.1              | 0.011                  | 0.01                 |
|                   | WLAN2.4G | 802.11b | Left Side     | 10                       | 11      |     |           | Ant 0      | 98.50      | 1.02         | 14.00                    | 14.00                          | 1.00           | 0                | <0.001                 | 0.00                 |
|                   | WLAN2.4G | 802.11b | Right Side    | 10                       | 11      |     |           | Ant 0      | 98.50      | 1.02         | 14.00                    | 14.00                          | 1.00           | 0                | <0.001                 | 0.00                 |
|                   | WLAN2.4G | 802.11b | Top Side      | 10                       | 11      |     |           | Ant 0      | 98.50      | 1.02         | 14.00                    | 14.00                          | 1.00           | 0                | <0.001                 | 0.00                 |
|                   | WLAN2.4G | 802.11b | Bottom Side   | 10                       | 11      |     |           | Ant 0      | 98.50      | 1.02         | 14.00                    | 14.00                          | 1.00           | 0                | <0.001                 | 0.00                 |
| 5                 | WLAN2.4G | 802.11b | Front Face    | 10                       | 6       |     |           | Ant 1      | 98.50      | 1.02         | 14.00                    | 13.80                          | 1.05           | -0.14            | 0.083                  | 0.09                 |
|                   | WLAN2.4G | 802.11b | Rear Face     | 10                       | 6       |     |           | Ant 1      | 98.50      | 1.02         | 14.00                    | 13.80                          | 1.05           | 0.07             | 0.034                  | 0.04                 |
|                   | WLAN2.4G | 802.11b | Left Side     | 10                       | 6       |     |           | Ant 1      | 98.50      | 1.02         | 14.00                    | 13.80                          | 1.05           | -0.18            | 0.012                  | 0.01                 |
|                   | WLAN2.4G | 802.11b | Right Side    | 10                       | 6       |     |           | Ant 1      | 98.50      | 1.02         | 14.00                    | 13.80                          | 1.05           | 0                | <0.001                 | 0.00                 |
|                   | WLAN2.4G | 802.11b | Top Side      | 10                       | 6       |     |           | Ant 1      | 98.50      | 1.02         | 14.00                    | 13.80                          | 1.05           | 0                | <0.001                 | 0.00                 |
|                   | WLAN2.4G | 802.11b | Bottom Side   | 10                       | 6       |     |           | Ant 1      | 98.50      | 1.02         | 14.00                    | 13.80                          | 1.05           | 0                | <0.001                 | 0.00                 |
|                   | WLAN2.4G | 802.11b | Front Face    | 10                       | 6       |     |           | Ant 0+1    | 98.50      | 1.02         | 17.00                    | 16.53                          | 1.11           | -0.06            | 0.069                  | 0.08                 |
|                   | WLAN2.4G | 802.11b | Rear Face     | 10                       | 6       |     |           | Ant 0+1    | 98.50      | 1.02         | 17.00                    | 16.53                          | 1.11           | -0.07            | 0.028                  | 0.03                 |
|                   | WLAN2.4G | 802.11b | Left Side     | 10                       | 6       |     |           | Ant 0+1    | 98.50      | 1.02         | 17.00                    | 16.53                          | 1.11           | -0.08            | 0.00992                | 0.01                 |
|                   | WLAN2.4G | 802.11b | Right Side    | 10                       | 6       |     |           | Ant 0+1    | 98.50      | 1.02         | 17.00                    | 16.53                          | 1.11           | 0                | <0.001                 | 0.00                 |
|                   | WLAN2.4G | 802.11b | Top Side      | 10                       | 6       |     |           | Ant 0+1    | 98.50      | 1.02         | 17.00                    | 16.53                          | 1.11           | 0                | <0.001                 | 0.00                 |
|                   | WLAN2.4G | 802.11b | Bottom Side   | 10                       | 6       |     |           | Ant 0+1    | 98.50      | 1.02         | 17.00                    | 16.53                          | 1.11           | 0                | <0.001                 | 0.00                 |
|                   | WLAN2.4G | 802.11b | Front Face    | 10                       | 1       |     |           | Ant 1      | 98.50      | 1.02         | 14.00                    | 13.64                          | 1.09           | -0.18            | 0.066                  | 0.07                 |
|                   | WLAN2.4G | 802.11b | Front Face    | 10                       | 11      |     |           | Ant 1      | 98.50      | 1.02         | 14.00                    | 13.61                          | 1.09           | 0.05             | 0.059                  | 0.07                 |
|                   |          |         |               |                          |         |     |           |            |            |              |                          |                                |                |                  |                        |                      |

SAR Test Result

| System & Position |      |      |               |                          |         |     |           | DUT        | SAR        |              |                          |                                |                |                  |                        |                      |
|-------------------|------|------|---------------|--------------------------|---------|-----|-----------|------------|------------|--------------|--------------------------|--------------------------------|----------------|------------------|------------------------|----------------------|
| Plot No.          | Band | Mode | Test Position | Separation Distance (mm) | Channel | RB# | RB offset | Ant Status | Duty Cycle | Crest Factor | Max. Tune-up Power (dBm) | Measured Conducted Power (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR-1g (W/kg) | Scaled SAR-1g (W/kg) |
|                   | BT   | LE   | Front Face    | 10                       | 19      |     |           | Ant 0      | 61.20      | 1.63         | 1.00                     | -0.63                          | 1.46           | 0                | <0.001                 | 0.00                 |
|                   | BT   | LE   | Rear Face     | 10                       | 19      |     |           | Ant 0      | 61.20      | 1.63         | 1.00                     | -0.63                          | 1.46           | 0                | <0.001                 | 0.00                 |
|                   | BT   | LE   | Left Side     | 10                       | 19      |     |           | Ant 0      | 61.20      | 1.63         | 1.00                     | -0.63                          | 1.46           | 0                | <0.001                 | 0.00                 |
|                   | BT   | LE   | Right Side    | 10                       | 19      |     |           | Ant 0      | 61.20      | 1.63         | 1.00                     | -0.63                          | 1.46           | 0                | <0.001                 | 0.00                 |
|                   | BT   | LE   | Top Side      | 10                       | 19      |     |           | Ant 0      | 61.20      | 1.63         | 1.00                     | -0.63                          | 1.46           | 0                | <0.001                 | 0.00                 |
|                   | BT   | LE   | Bottom Side   | 10                       | 19      |     |           | Ant 0      | 61.20      | 1.63         | 1.00                     | -0.63                          | 1.46           | 0                | <0.001                 | 0.00                 |
|                   | BT   | LE   | Front Face    | 10                       | 0       |     |           | Ant 0      | 61.20      | 1.63         | 1.00                     | -0.87                          | 1.54           | 0                | <0.001                 | 0.00                 |
|                   | BT   | LE   | Front Face    | 10                       | 39      |     |           | Ant 0      | 61.20      | 1.63         | 1.00                     | -0.9                           | 1.55           | 0                | <0.001                 | 0.00                 |
|                   |      |      |               |                          |         |     |           |            |            |              |                          |                                |                |                  |                        |                      |