

APPENDIX D: TOTAL EXPOSURE RATIO

The total exposure ratio (TER) is calculated by combining all SAR measurements and power density measurements after normalizing to their respective limits. The general expression is below.

$$TER = \sum_{n=1}^N \frac{SAR_n}{SAR_n, limit} + \sum_{m=1}^M \frac{S_{m,avg}}{S_m, limit} < 1$$

The TER shall be less than unity to ensure compliance with the limits.

(*) For test positions that were not required to be evaluated for WLAN SAR per FCC KDB publication 248227, the worst case WLAN SAR result for the applicable exposure conditions was used for simultaneous transmission analysis.

Worst-case power density results for each test configuration among all antenna arrays (J Patch, K Patch, L Patch, J Dipole) were considered for TER analysis. Some bands and modes may be evaluated at a higher power or at a closer separation distance representing a more conservative TER analysis. LTE ULCA is not available during EN-DC operations with 5G NR.

Table D-1
NR Band n261 Head Total Exposure Ratio

| Anchor Band | LTE Reported SAR | 2.4 GHz WLAN Ant1 Reported SAR | 2.4 GHz WLAN Ant2 Reported SAR | Bluetooth Reported SAR | 5 GHz WLAN Ant1 Reported SAR | 5 GHz WLAN Ant2 Reported SAR | n261 S | LTE + 2.4 GHz WLAN Ant1 + n261 | LTE + 2.4 GHz WLAN Ant2 + n261 | LTE + 2.4 GHz WLAN MIMO + n261 | LTE + BT+ 5 GHz WLAN Ant1 + n261 | LTE + BT+ 5 GHz WLAN Ant2 + n261 | LTE + BT+ 5 GHz WLAN MIMO + n261 | LTE + 2.4 WLAN MIMO + 5 GHz WLAN MIMO + n261 |
|------------------|------------------|--------------------------------|--------------------------------|------------------------|------------------------------|------------------------------|--------------------|--------------------------------|--------------------------------|--------------------------------|----------------------------------|----------------------------------|----------------------------------|--|
| | W/kg | W/kg | W/kg | W/kg | W/kg | W/kg | mW/cm ² | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 1 + 2 + 7 | 1 + 3 + 7 | 1 + 2 + 3 + 7 | 1 + 4 + 5 + 7 | 1 + 4 + 6 + 7 | 1 + 4 + 5 + 6 + 7 | 1 + 2 + 3 + 5 + 6 + 7 |
| Applicable Limit | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LTE B13 | Reported Value | 0.177 | 0.457 | 0.027 | 0.254 | 0.324 | 0.057 | 0.088 | | | | | | |
| | Ratio to Limit | 0.111 | 0.286 | 0.017 | 0.159 | 0.203 | 0.036 | 0.088 | 0.485 | 0.216 | 0.502 | 0.561 | 0.394 | 0.597 |
| LTE B5 | Reported Value | 0.177 | 0.457 | 0.027 | 0.254 | 0.324 | 0.057 | 0.088 | | | | | | |
| | Ratio to Limit | 0.111 | 0.286 | 0.017 | 0.159 | 0.203 | 0.036 | 0.088 | 0.485 | 0.216 | 0.502 | 0.561 | 0.394 | 0.597 |
| LTE B66 | Reported Value | 0.152 | 0.457 | 0.027 | 0.254 | 0.324 | 0.057 | 0.088 | | | | | | |
| | Ratio to Limit | 0.095 | 0.286 | 0.017 | 0.159 | 0.203 | 0.036 | 0.088 | 0.469 | 0.200 | 0.486 | 0.545 | 0.378 | 0.581 |
| LTE B2 | Reported Value | 0.156 | 0.457 | 0.027 | 0.254 | 0.324 | 0.057 | 0.088 | | | | | | |
| | Ratio to Limit | 0.098 | 0.286 | 0.017 | 0.159 | 0.203 | 0.036 | 0.088 | 0.472 | 0.203 | 0.489 | 0.548 | 0.381 | 0.584 |

Worst-case front side total power density value was considered for Head TER analysis.

Table D-2
NR Band n261 Body-Worn Total Exposure Ratio - Back Side at 15 mm

| Anchor Band | LTE Reported SAR | 2.4 GHz WLAN Ant1 Reported SAR | 2.4 GHz WLAN Ant2 Reported SAR | 2.4 GHz WLAN MIMO at 19 dBm Reported SAR | Bluetooth Reported SAR | 5 GHz WLAN Ant1 Reported SAR | 5 GHz WLAN Ant2 Reported SAR | 5 GHz WLAN MIMO at 16 dBm Reported SAR | n261 S | LTE + 2.4 GHz WLAN Ant1 + n261 | LTE + 2.4 GHz WLAN Ant2 + n261 | LTE + 2.4 GHz WLAN MIMO + n261 | LTE + BT+ 5 GHz WLAN Ant1 + n261 | LTE + BT+ 5 GHz WLAN Ant2 + n261 | LTE + BT+ 5 GHz WLAN MIMO + n261 | LTE + 2.4 WLAN MIMO at 19 dBm + 5 GHz WLAN MIMO + n261 | |
|------------------|------------------|--------------------------------|--------------------------------|--|------------------------|------------------------------|------------------------------|--|--------------------|--------------------------------|--------------------------------|--------------------------------|----------------------------------|----------------------------------|----------------------------------|--|-------|
| | W/kg | W/kg | W/kg | W/kg | W/kg | W/kg | W/kg | W/kg | mW/cm ² | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1 + 2 + 9 | 1 + 3 + 9 | 1 + 4 + 9 | 1 + 5 + 6 + 9 | 1 + 5 + 7 + 9 | 1 + 5 + 8 + 9 | 1 + 4 + 8 + 9 | |
| Applicable Limit | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | |
| LTE B13 | Reported Value | 0.239 | 0.109 | 0.177 | 0.092 | 0.034 | 0.181 | 0.313 | 0.177 | 0.202 | | | | | | | |
| | Ratio to Limit | 0.143 | 0.063 | 0.111 | 0.053 | 0.021 | 0.111 | 0.313 | 0.177 | 0.202 | 0.419 | 0.462 | 0.409 | 0.485 | 0.568 | 0.483 | 0.520 |
| LTE B5 | Reported Value | 0.307 | 0.109 | 0.177 | 0.092 | 0.034 | 0.181 | 0.313 | 0.177 | 0.202 | | | | | | | |
| | Ratio to Limit | 0.193 | 0.068 | 0.111 | 0.058 | 0.021 | 0.113 | 0.306 | 0.111 | 0.202 | 0.462 | 0.505 | 0.452 | 0.528 | 0.611 | 0.526 | 0.563 |
| LTE B66 | Reported Value | 0.863 | 0.109 | 0.177 | 0.092 | 0.034 | 0.181 | 0.313 | 0.177 | 0.202 | | | | | | | |
| | Ratio to Limit | 0.539 | 0.068 | 0.111 | 0.058 | 0.021 | 0.113 | 0.196 | 0.111 | 0.202 | 0.809 | 0.852 | 0.799 | 0.875 | 0.958 | 0.873 | 0.910 |
| LTE B2 | Reported Value | 0.799 | 0.109 | 0.177 | 0.092 | 0.034 | 0.181 | 0.313 | 0.177 | 0.202 | | | | | | | |
| | Ratio to Limit | 0.499 | 0.068 | 0.111 | 0.058 | 0.021 | 0.113 | 0.196 | 0.111 | 0.202 | 0.769 | 0.812 | 0.759 | 0.835 | 0.918 | 0.833 | 0.870 |

1. Worst-case back side total power density at 15 mm was considered for Body-Worn TER analysis.
2. For L patch and J dipole antennas, power density results for back side at 10 mm were considered as a more conservative evaluation for 15mm body-worn.

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|--|---|--|---------|---------------------------------|
| FCC ID: A3LSMG977U | PCTEST® ENGINEERING LABORATORY, INC. | NEAR-FIELD POWER DENSITY EVALUATION REPORT | SAMSUNG | Approved by: Quality Manager |
| Test Dates: 02/22/2019 – 03/11/2019 | DUT Type: Portable Handset | | | APPENDIX D: Page 1 of 3 |

Table D-3
NR Band n261 Hotspot Total Exposure Ratio

| Anchor Band | | LTE Reported SAR | 2.4 GHz WLAN Ant1 Reported SAR | 2.4 GHz WLAN Ant2 Reported SAR | 2.4 GHz WLAN MIMO at 19 dBm Reported SAR | Bluetooth Reported SAR | 5 GHz WLAN Ant1 Reported SAR | 5 GHz WLAN Ant2 Reported SAR | 5 GHz WLAN MIMO at 16 dBm Reported SAR | n261 S | LTE + 2.4 GHz WLAN Ant1 + n261 | LTE + 2.4 GHz WLAN Ant2 + n261 | LTE + 2.4 GHz WLAN MIMO + 5 GHz WLAN Ant1 + n261 | LTE + Bluetooth + 5 GHz WLAN Ant1 + n261 | LTE + Bluetooth + 5 GHz WLAN MIMO + n261 | LTE + 2.4 GHz MIMO at 19 dBm + 5 GHz WLAN MIMO at 16 dBm + n261 | | | | | | | | | | | | |
|-------------------------|----------------------|------------------|--------------------------------|--------------------------------|--|------------------------|------------------------------|------------------------------|--|--------------------|--------------------------------|--------------------------------|--|--|--|---|-------|-------|-------|-------|-------|-------|---------|---------|---------|---------|--|--|
| | | W/kg | W/kg | W/kg | W/kg | W/kg | W/kg | W/kg | W/kg | mW/cm ² | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1+2+9 | 1+3+9 | 1+4+9 | 1+5+6+9 | 1+5+7+9 | 1+5+8+9 | 1+4+8+9 | | |
| Applicable Limit | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LTE B13 | Back Side at 10 mm | Reported Value | 0.452 | 0.242 | 0.377 | 0.176 | 0.113 | 0.242 | 0.367 | 0.161 | 0.773 | | | | | | | | | | | | | | | | | |
| | Front Side at 10 mm | Reported Value | 0.390 | 0.242* | 0.377* | 0.178* | 0.078 | 0.242* | 0.367* | 0.258* | 0.088 | | | | | | | | | | | | | | | | | |
| | Top Edge at 10 mm | Reported Value | 0 | 0.242* | 0.377* | 0.178* | 0.078 | 0.242* | 0.367* | 0.258* | 0.189 | | | | | | | | | | | | | | | | | |
| | Bottom Edge at 10 mm | Reported Value | 0.231 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.006 | 0.227 | 0.227 | 0.227 | 0.227 | 0.227 | 0.227 | 0.227 | 0.227 | 0.227 | 0.227 | 0.227 | 0.227 | 0.227 | 0.227 | | | |
| | Right Edge at 10 mm | Reported Value | 0.263 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.593 | | | | | | | | | | | | | | | | | |
| | Left Edge at 10 mm | Reported Value | 0.105 | 0.151 | 0.236 | 0.111 | 0.049 | 0.151 | 0.229 | 0.161 | 0.088 | 0.483 | 0.568 | 0.443 | 0.532 | 0.610 | 0.542 | 0.604 | 0.604 | | | | | | | | | |
| | Back Side at 10 mm | Ratio to Limit | 0.056 | 0.149 | 0.236 | 0.051 | 0.066 | 0.151 | 0.229 | 0.161 | 0.189 | 0.340 | 0.425 | 0.300 | 0.389 | 0.467 | 0.399 | 0.461 | 0.461 | | | | | | | | | |
| | Front Side at 10 mm | Ratio to Limit | 0.057 | 0.151 | 0.236 | 0.051 | 0.067 | 0.151 | 0.229 | 0.161 | 0.193 | 0.381 | 0.466 | 0.313 | 0.390 | 0.468 | 0.399 | 0.461 | 0.461 | | | | | | | | | |
| | Top Edge at 10 mm | Ratio to Limit | 0 | 0.151 | 0.236 | 0.111 | 0.049 | 0.151 | 0.229 | 0.161 | 0.088 | 0.559 | 0.644 | 0.519 | 0.608 | 0.686 | 0.618 | 0.680 | 0.680 | | | | | | | | | |
| | Bottom Edge at 10 mm | Ratio to Limit | 0.121 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.593 | 0.714 | 0.714 | 0.714 | 0.714 | 0.714 | 0.714 | 0.714 | 0.714 | 0.714 | 0.714 | 0.714 | 0.714 | 0.714 | 0.714 | | | |
| LTE B5 | Back Side at 10 mm | Reported Value | 0.631 | 0.242 | 0.377 | 0.178 | 0.113 | 0.242 | 0.367 | 0.258 | 0.273 | | | | | | | | | | | | | | | | | |
| | Front Side at 10 mm | Reported Value | 0.512 | 0.242* | 0.377* | 0.178* | 0.078 | 0.242* | 0.367* | 0.258* | 0.088 | | | | | | | | | | | | | | | | | |
| | Top Edge at 10 mm | Reported Value | 0 | 0.242* | 0.377* | 0.178* | 0.078 | 0.242* | 0.367* | 0.258* | 0.189 | | | | | | | | | | | | | | | | | |
| | Bottom Edge at 10 mm | Reported Value | 0.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.006 | | | | | | | | | | | | | | | | | |
| | Right Edge at 10 mm | Reported Value | 0.194 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.593 | | | | | | | | | | | | | | | | | |
| | Left Edge at 10 mm | Reported Value | 0.113 | 0.238 | 0.377* | 0.082 | 0.106 | 0.242* | 0.367* | 0.139 | 0.463 | | | | | | | | | | | | | | | | | |
| | Back Side at 10 mm | Ratio to Limit | 0.071 | 0.149 | 0.236 | 0.051 | 0.066 | 0.151 | 0.229 | 0.161 | 0.463 | 0.683 | 0.770 | 0.585 | 0.751 | 0.829 | 0.687 | 0.672 | 0.672 | | | | | | | | | |
| | Front Side at 10 mm | Ratio to Limit | 0.079 | 0.151 | 0.236 | 0.111 | 0.071 | 0.151 | 0.229 | 0.161 | 0.193 | 0.381 | 0.466 | 0.313 | 0.390 | 0.468 | 0.399 | 0.461 | 0.461 | | | | | | | | | |
| | Top Edge at 10 mm | Ratio to Limit | 0.437 | 0.151 | 0.236 | 0.111 | 0.049 | 0.151 | 0.229 | 0.161 | 0.088 | 0.676 | 0.761 | 0.636 | 0.725 | 0.803 | 0.735 | 0.797 | 0.797 | | | | | | | | | |
| | Bottom Edge at 10 mm | Ratio to Limit | 0.050 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.593 | | | | | | | | | | | | | | | | | |
| LTE B66 | Back Side at 10 mm | Reported Value | 0.665 | 0.242 | 0.377 | 0.178 | 0.113 | 0.242 | 0.367 | 0.258 | 0.273 | | | | | | | | | | | | | | | | | |
| | Front Side at 10 mm | Reported Value | 0.418 | 0.242* | 0.376 | 0.111 | 0.071 | 0.151 | 0.229 | 0.161 | 0.273 | 0.842 | 0.927 | 0.802 | 0.913 | 0.991 | 0.923 | 0.963 | 0.963 | | | | | | | | | |
| | Top Edge at 10 mm | Reported Value | 0.509 | 0.242* | 0.377* | 0.178* | 0.078 | 0.242* | 0.367* | 0.258* | 0.088 | | | | | | | | | | | | | | | | | |
| | Bottom Edge at 10 mm | Reported Value | 0.437 | 0.151 | 0.236 | 0.111 | 0.049 | 0.151 | 0.229 | 0.161 | 0.088 | 0.676 | 0.761 | 0.636 | 0.725 | 0.803 | 0.735 | 0.797 | 0.797 | | | | | | | | | |
| | Right Edge at 10 mm | Reported Value | 0.051 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.593 | | | | | | | | | | | | | | | | | |
| | Left Edge at 10 mm | Reported Value | 0.093 | 0.238 | 0.377* | 0.082 | 0.106 | 0.242* | 0.367* | 0.139 | 0.463 | | | | | | | | | | | | | | | | | |
| | Back Side at 10 mm | Ratio to Limit | 0.056 | 0.149 | 0.236 | 0.051 | 0.066 | 0.151 | 0.229 | 0.161 | 0.463 | 0.670 | 0.757 | 0.572 | 0.738 | 0.816 | 0.674 | 0.659 | 0.659 | | | | | | | | | |
| | Front Side at 10 mm | Ratio to Limit | 0.058 | 0.151 | 0.236 | 0.111 | 0.071 | 0.151 | 0.229 | 0.161 | 0.193 | 0.381 | 0.466 | 0.313 | 0.390 | 0.468 | 0.399 | 0.461 | 0.461 | | | | | | | | | |
| | Top Edge at 10 mm | Ratio to Limit | 0.070 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.593 | | | | | | | | | | | | | | | | | |
| | Bottom Edge at 10 mm | Ratio to Limit | 0.091 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.593 | | | | | | | | | | | | | | | | | |
| LTE B2 | Back Side at 10 mm | Reported Value | 0.448 | 0.242 | 0.377 | 0.178 | 0.113 | 0.242 | 0.367 | 0.258 | 0.273 | | | | | | | | | | | | | | | | | |
| | Front Side at 10 mm | Reported Value | 0.448 | 0.242* | 0.378 | 0.178* | 0.078 | 0.242* | 0.367* | 0.258* | 0.088 | | | | | | | | | | | | | | | | | |
| | Top Edge at 10 mm | Reported Value | 0.470 | 0.151 | 0.236 | 0.111 | 0.049 | 0.151 | 0.229 | 0.161 | 0.193 | 0.381 | 0.466 | 0.313 | 0.390 | 0.468 | 0.399 | 0.461 | 0.461 | | | | | | | | | |
| | Bottom Edge at 10 mm | Reported Value | 0.280 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.593 | | | | | | | | | | | | | | | | | |
| | Right Edge at 10 mm | Reported Value | 0.077 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.593 | | | | | | | | | | | | | | | | | |
| | Left Edge at 10 mm | Reported Value | 0.101 | 0.238 | 0.377* | 0.082 | 0.106 | 0.242* | 0.367* | 0.139 | 0.463 | | | | | | | | | | | | | | | | | |
| | Back Side at 10 mm | Ratio to Limit | 0.063 | 0.149 | 0.236 | 0.051 | 0.066 | 0.151 | 0.229 | 0.161 | 0.463 | 0.675 | 0.762 | 0.577 | 0.743 | 0.821 | 0.679 | 0.664 | 0.664 | 0.664 | | | | | | | | |
| | Front Side at 10 mm | Ratio to Limit | 0.065 | 0.151 | 0.236 | 0.111 | 0.071 | 0.151 | 0.229 | 0.161 | 0.193 | 0.381 | 0.466 | 0.313 | 0.390 | 0.468 | 0.399 | 0.461 | 0.461 | | | | | | | | | |
| | Top Edge at 10 mm | Ratio to Limit | 0.106 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.593 | | | | | | | | | | | | | | | | | |
| | Bottom Edge at 10 mm | Ratio to Limit | 0.101 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.593 | | | | | | | | | | | | | | | | | |

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Test Dates:
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NEAR-FIELD POWER DENSITY
EVALUATION REPORT



Approved by:

Quality Manager

APPENDIX D:

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Table D-4
NR Band n261 Phablet Total Exposure Ratio

| Anchor Band | | LTE Reported 10g SAR | 5 GHz WLAN Ant 1 Reported 10g SAR | 5 GHz WLAN Ant 2 Reported 10g SAR | 5 GHZ WLAN MIMO at 16 dBm Reported 10g SAR | n261 S | LTE + 5 GHz WLAN Ant1 + n261 S | LTE + 5 GHz WLAN Ant2 + n261 S | LTE + 5 GHz WLAN MIMO + n261 S |
|-------------------------|---------------------|-------------------------|---|---|---|------------|--------------------------------------|--------------------------------------|--------------------------------------|
| | | | W/kg | W/kg | W/kg | | | | |
| | | 1 | 2 | 3 | 4 | | | | |
| Applicable Limit | | 4.0 | 4.0 | 4.0 | 4.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LTE B66 | Back Side at 7 mm | Reported Value | 1.320 | 0.559* | 0.621* | 0.122 | 0.473 | | |
| | Ratio to Limit | 0.330 | 0.140 | 0.155 | 0.031 | 0.473 | 0.943 | 0.958 | 0.834 |
| | Back Side at 0 mm | Reported Value | 1.100 | 0.559 | 0.621 | 0.887 | 0.473 | | |
| | Ratio to Limit | 0.275 | 0.140 | 0.155 | 0.222 | 0.473 | 0.888 | 0.903 | 0.970 |
| | Front Side at 0 mm | Reported Value | 1.432 | 0.559* | 0.621* | 0.887* | 0.088 | | |
| | Ratio to Limit | 0.358 | 0.140 | 0.155 | 0.222 | 0.088 | 0.586 | 0.601 | 0.668 |
| | Top Edge at 0 mm | Reported Value | 0 | 0.559* | 0.621* | 0.887* | 0.189 | | |
| | Ratio to Limit | 0 | 0.140 | 0.155 | 0.222 | 0.189 | 0.329 | 0.344 | 0.411 |
| | Bottom Edge at 0 mm | Reported Value | 1.656 | 0 | 0 | 0 | 0.006 | 0.420 | 0.420 |
| LTE B2 | Ratio to Limit | 0.414 | 0 | 0 | 0 | 0.006 | | | |
| | Right Edge at 0 mm | Reported Value | 0.471 | 0 | 0 | 0 | 0.593 | | |
| | Ratio to Limit | 0.118 | 0 | 0 | 0 | 0.593 | 0.711 | 0.711 | |
| | Left Edge at 0 mm | Reported Value | 0.567 | 0.559* | 0.621* | 0.273 | 0.463 | | |
| | Ratio to Limit | 0.142 | 0.140 | 0.155 | 0.068 | 0.463 | 0.745 | 0.760 | 0.673 |
| | Back Side at 7 mm | Reported Value | 1.173 | 0.559* | 0.621* | 0.122 | 0.473 | | |
| | Ratio to Limit | 0.293 | 0.140 | 0.155 | 0.031 | 0.473 | 0.906 | 0.921 | 0.797 |
| | Back Side at 0 mm | Reported Value | 1.096 | 0.559 | 0.621 | 0.887 | 0.473 | | |
| | Ratio to Limit | 0.274 | 0.140 | 0.155 | 0.222 | 0.473 | 0.887 | 0.902 | 0.969 |
| LTE B2 | Front Side at 0 mm | Reported Value | 1.341 | 0.559* | 0.621* | 0.887* | 0.088 | | |
| | Ratio to Limit | 0.335 | 0.140 | 0.155 | 0.222 | 0.088 | 0.563 | 0.578 | 0.645 |
| | Top Edge at 0 mm | Reported Value | 0 | 0.559* | 0.621* | 0.887* | 0.189 | | |
| | Ratio to Limit | 0 | 0.140 | 0.155 | 0.222 | 0.189 | 0.329 | 0.344 | 0.411 |
| | Bottom Edge at 0 mm | Reported Value | 1.828 | 0 | 0 | 0 | 0.006 | | |
| | Ratio to Limit | 0.457 | 0 | 0 | 0 | 0.006 | 0.463 | 0.463 | |
| | Right Edge at 0 mm | Reported Value | 0.396 | 0 | 0 | 0 | 0.593 | | |
| | Ratio to Limit | 0.099 | 0 | 0 | 0 | 0.593 | 0.692 | 0.692 | |
| | Left Edge at 0 mm | Reported Value | 0.467 | 0.559* | 0.621* | 0.273 | 0.463 | | |
| | Ratio to Limit | 0.117 | 0.140 | 0.155 | 0.068 | 0.463 | 0.720 | 0.735 | 0.648 |

1. Per FCC guidance, the device edges that are not required to be evaluated for SAR are indicated as 0 for TER analysis.
2. Per FCC guidance, the bands/modes that are not required to be evaluated for Phablet SAR are not considered for TER analysis.
3. For back side at 7 mm, power density results for back side at 2 mm were considered as a more conservative evaluation.
4. Per FCC guidance, for power density measurements, a test separation distance of 2 mm was used for phablet configuration due to probe restraints.
5. For TER analysis for front at 0 mm and bottom at 0 mm, the highest reported SAR across all test distances was used as the most conservative evaluation for simultaneous transmission analysis for each device edge.

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| FCC ID: A3LSMG977U |  NEAR-FIELD POWER DENSITY EVALUATION REPORT |  Approved by: Quality Manager |
| Test Dates: 02/22/2019 – 03/11/2019 | DUT Type: Portable Handset | APPENDIX D: Page 3 of 3 |