

# APPENDIX I: IEEE 802.11 RU SAR EXCLUSION

## I.1 IEEE 802.11ax RU SAR Exclusion

To make the most efficient use of the additional available subcarriers (data tones), IEEE 802.11ax can utilize Orthogonal Frequency-Division Multiple Access (OFDMA) which divides the existing 802.11 channels into smaller subchannels called Resource Units (RUs). Possible RU sizes are: 26T, 52T, 106T, 242T, 484T, 996T.

Per FCC Guidance, 802.11ax was considered a higher order 802.11 mode when compared to a/b/g/n/ac to apply KDB Publication 248227 D01v02r02 for OFDM mode selection. Therefore, SAR tests were not required for 802.11ax based on the maximum allowed output powers of OFDM modes and the reported SAR values. Per FCC Guidance, maximum conducted powers were performed for each RU size to demonstrate that the output powers would not be higher than the other OFDM 802.11 modes. Please refer to 1M2510280091-15, 17, 19, 21 for IEEE 802.11ax RU powers.

## I.2 IEEE 802.11ax RU Target Powers

### I.2.1 2.4 GHz WLAN 802.11ax RU WLAN Output Power

The below table is applicable in the following conditions:

- Pmax

| Band     |         | IEEE 802.11ax RU (in dBm)      |                                |                                                |                                                |                                |                                |                                                |                                                |                                |                                |                                                |                                                |
|----------|---------|--------------------------------|--------------------------------|------------------------------------------------|------------------------------------------------|--------------------------------|--------------------------------|------------------------------------------------|------------------------------------------------|--------------------------------|--------------------------------|------------------------------------------------|------------------------------------------------|
|          |         | SISO Ant H (in dBm)            |                                |                                                |                                                | SISO in MIMO Ant H (in dBm)    |                                |                                                |                                                | SISO in MIMO Ant J (in dBm)    |                                |                                                |                                                |
|          |         | 26T                            | 52T                            | 106T                                           | 242T                                           | 26T                            | 52T                            | 106T                                           | 242T                                           | 26T                            | 52T                            | 106T                                           | 242T                                           |
| 2.45 GHz | Maximum | 10                             | 13                             | 16                                             | 18                                             | 10                             | 13                             | 16                                             | 18                                             | 8                              | 11                             | 14                                             | 16                                             |
|          |         | ch. 12: -9.0<br>ch. 13: -9.0   | ch. 12: -9.0<br>ch. 13: -9.0   | ch. 11: 15.5<br>ch. 12: -9.0<br>ch. 13: -9.0   | ch. 11: 15.5<br>ch. 12: -9.0<br>ch. 13: -9.0   | ch. 12: -9.0<br>ch. 13: -9.0   | ch. 12: -9.0<br>ch. 13: -9.0   | ch. 11: 15.5<br>ch. 12: -9.0<br>ch. 13: -9.0   | ch. 11: 15.5<br>ch. 12: -9.0<br>ch. 13: -9.0   | ch. 12: -9.0<br>ch. 13: -9.0   | ch. 12: -9.0<br>ch. 13: -9.0   | ch. 11: 13.5<br>ch. 12: -9.0<br>ch. 13: -9.0   | ch. 11: 13.5<br>ch. 12: -9.0<br>ch. 13: -9.0   |
|          | Nominal | 9                              | 12                             | 15                                             | 17                                             | 9                              | 12                             | 15                                             | 17                                             | 7                              | 10                             | 13                                             | 15                                             |
|          |         | ch. 12: -10.0<br>ch. 13: -10.0 | ch. 12: -10.0<br>ch. 13: -10.0 | ch. 11: 14.5<br>ch. 12: -10.0<br>ch. 13: -10.0 | ch. 11: 14.5<br>ch. 12: -10.0<br>ch. 13: -10.0 | ch. 12: -10.0<br>ch. 13: -10.0 | ch. 12: -10.0<br>ch. 13: -10.0 | ch. 11: 14.5<br>ch. 12: -10.0<br>ch. 13: -10.0 | ch. 11: 14.5<br>ch. 12: -10.0<br>ch. 13: -10.0 | ch. 12: -10.0<br>ch. 13: -10.0 | ch. 12: -10.0<br>ch. 13: -10.0 | ch. 11: 12.5<br>ch. 12: -10.0<br>ch. 13: -10.0 | ch. 11: 12.5<br>ch. 12: -10.0<br>ch. 13: -10.0 |

The below table is applicable in the following conditions:

- RSI = 0 (Body-Worn, Hotspot or Phablet)

| Band     |         | IEEE 802.11ax RU (in dBm)      |                                |                                                |                                                |                                |                                |                                                |                                                |                                |                                |                                                |                                                |
|----------|---------|--------------------------------|--------------------------------|------------------------------------------------|------------------------------------------------|--------------------------------|--------------------------------|------------------------------------------------|------------------------------------------------|--------------------------------|--------------------------------|------------------------------------------------|------------------------------------------------|
|          |         | SISO Ant H (in dBm)            |                                |                                                |                                                | SISO in MIMO Ant H (in dBm)    |                                |                                                |                                                | SISO in MIMO Ant J (in dBm)    |                                |                                                |                                                |
|          |         | 26T                            | 52T                            | 106T                                           | 242T                                           | 26T                            | 52T                            | 106T                                           | 242T                                           | 26T                            | 52T                            | 106T                                           | 242T                                           |
| 2.45 GHz | Maximum | 10                             | 13                             | 16                                             | 17                                             | 10                             | 13                             | 16                                             | 17                                             | 8                              | 11                             | 14                                             | 15                                             |
|          |         | ch. 12: -9.0<br>ch. 13: -9.0   | ch. 12: -9.0<br>ch. 13: -9.0   | ch. 11: 15.5<br>ch. 12: -9.0<br>ch. 13: -9.0   | ch. 11: 15.5<br>ch. 12: -9.0<br>ch. 13: -9.0   | ch. 12: -9.0<br>ch. 13: -9.0   | ch. 12: -9.0<br>ch. 13: -9.0   | ch. 11: 15.5<br>ch. 12: -9.0<br>ch. 13: -9.0   | ch. 11: 15.5<br>ch. 12: -9.0<br>ch. 13: -9.0   | ch. 12: -9.0<br>ch. 13: -9.0   | ch. 12: -9.0<br>ch. 13: -9.0   | ch. 11: 13.5<br>ch. 12: -9.0<br>ch. 13: -9.0   | ch. 11: 13.5<br>ch. 12: -9.0<br>ch. 13: -9.0   |
|          | Nominal | 9                              | 12                             | 15                                             | 16                                             | 9                              | 12                             | 15                                             | 16                                             | 7                              | 10                             | 13                                             | 14                                             |
|          |         | ch. 12: -10.0<br>ch. 13: -10.0 | ch. 12: -10.0<br>ch. 13: -10.0 | ch. 11: 14.5<br>ch. 12: -10.0<br>ch. 13: -10.0 | ch. 11: 14.5<br>ch. 12: -10.0<br>ch. 13: -10.0 | ch. 12: -10.0<br>ch. 13: -10.0 | ch. 12: -10.0<br>ch. 13: -10.0 | ch. 11: 14.5<br>ch. 12: -10.0<br>ch. 13: -10.0 | ch. 11: 14.5<br>ch. 12: -10.0<br>ch. 13: -10.0 | ch. 12: -10.0<br>ch. 13: -10.0 | ch. 12: -10.0<br>ch. 13: -10.0 | ch. 11: 12.5<br>ch. 12: -10.0<br>ch. 13: -10.0 | ch. 11: 12.5<br>ch. 12: -10.0<br>ch. 13: -10.0 |

The below table is applicable in the following conditions:

- RSI = 1 (Head)

| Band     |         | IEEE 802.11ax RU (in dBm)      |                                |                                |                                |                                |                                |                                |                                |                                |                                |                                |                                |
|----------|---------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|          |         | SISO Ant H (in dBm)            |                                |                                |                                | SISO in MIMO Ant H (in dBm)    |                                |                                |                                | SISO in MIMO Ant J (in dBm)    |                                |                                |                                |
|          |         | 26T                            | 52T                            | 106T                           | 242T                           | 26T                            | 52T                            | 106T                           | 242T                           | 26T                            | 52T                            | 106T                           | 242T                           |
| 2.45 GHz | Maximum | 10                             | 13                             | 15                             | 15                             | 10                             | 13                             | 15                             | 15                             | 8                              | 11                             | 13                             | 13                             |
|          |         | ch. 12: -9.0<br>ch. 13: -9.0   | ch. 12: -9.0<br>ch. 13: -9.0   | ch. 12: -9.0<br>ch. 13: -9.0   | ch. 12: -9.0<br>ch. 13: -9.0   | ch. 12: -9.0<br>ch. 13: -9.0   | ch. 12: -9.0<br>ch. 13: -9.0   | ch. 12: -9.0<br>ch. 13: -9.0   | ch. 12: -9.0<br>ch. 13: -9.0   | ch. 12: -9.0<br>ch. 13: -9.0   | ch. 12: -9.0<br>ch. 13: -9.0   | ch. 12: -9.0<br>ch. 13: -9.0   | ch. 12: -9.0<br>ch. 13: -9.0   |
|          | Nominal | 9                              | 12                             | 14                             | 14                             | 9                              | 12                             | 14                             | 14                             | 7                              | 10                             | 12                             | 12                             |
|          |         | ch. 12: -10.0<br>ch. 13: -10.0 | ch. 12: -10.0<br>ch. 13: -10.0 | ch. 12: -10.0<br>ch. 13: -10.0 | ch. 12: -10.0<br>ch. 13: -10.0 | ch. 12: -10.0<br>ch. 13: -10.0 | ch. 12: -10.0<br>ch. 13: -10.0 | ch. 12: -10.0<br>ch. 13: -10.0 | ch. 12: -10.0<br>ch. 13: -10.0 | ch. 12: -10.0<br>ch. 13: -10.0 | ch. 12: -10.0<br>ch. 13: -10.0 | ch. 12: -10.0<br>ch. 13: -10.0 | ch. 12: -10.0<br>ch. 13: -10.0 |

|                               |                                |                                   |
|-------------------------------|--------------------------------|-----------------------------------|
| FCC ID A3LSMA576B             | RF EXPOSURE PART 1 TEST REPORT | Approved by:<br>Technical Manager |
| DUT Type:<br>Portable Handset |                                | APPENDIX I:<br>Page 1 of 3        |

## 1.2.2 5 GHz WLAN 802.11ax RU WLAN Output Power

The below table is applicable in the following conditions:

- Pmax
- RSI = 0 (Body-Worn, Hotspot or Phablet)

| Mode                     | Band    |        | IEEE 802.11ax RU (in dBm) |             |              |              |                |              |             |             |              |                |                |              |             |             |              |                |              |                |      |
|--------------------------|---------|--------|---------------------------|-------------|--------------|--------------|----------------|--------------|-------------|-------------|--------------|----------------|----------------|--------------|-------------|-------------|--------------|----------------|--------------|----------------|------|
|                          |         |        | SSB                       |             |              |              |                |              | SSB in MIMO |             |              |                |                |              | SSB in MIMO |             |              |                |              |                |      |
|                          |         |        | Antenna G                 |             |              |              |                |              | Antenna E   |             |              |                |                |              | Antenna G   |             |              |                |              |                |      |
| 5 GHz WiFi<br>(20MHz BW) | Maximum | UN1-1  | 26T<br>10.0               | 52T<br>13.0 | 106T<br>16.0 | 242T<br>17.0 | 484T<br>14.0   | 996T<br>15.0 | 26T<br>8.0  | 52T<br>11.0 | 106T<br>14.0 | 242T<br>15.0   | 484T<br>15.0   | 996T<br>15.0 | 26T<br>10.0 | 52T<br>13.0 | 106T<br>16.0 | 242T<br>17.0   | 484T<br>14.0 | 996T<br>15.0   |      |
|                          |         | UN1-2A | 10.0                      | 13.0        | 16.0         | 17.0         | ch. 36<br>14.0 |              | 8.0         | 11.0        | 14.0         | ch. 36<br>15.0 | 15.0           | 10.0         | 13.0        | 16.0        | 17.0         | ch. 36<br>14.0 | 15.0         | 10.0           | 13.0 |
|                          |         | UN1-2C | 10.0                      | 13.0        | 16.0         | 17.0         | ch. 64<br>14.0 |              | 8.0         | 11.0        | 14.0         | ch. 64<br>15.0 | 15.0           | 10.0         | 13.0        | 16.0        | 17.0         | ch. 64<br>14.0 | 15.0         | 10.0           | 13.0 |
|                          |         | UN1-3  | 10.0                      | 13.0        | 16.0         | 17.0         |                |              | 8.0         | 11.0        | 14.0         |                |                | 10.0         | 13.0        | 16.0        | 17.0         |                |              | 10.0           | 13.0 |
|                          |         | UN1-4  | 10.0                      | 13.0        | 16.0         | 17.0         |                |              | 8.0         | 11.0        | 14.0         |                |                | 10.0         | 13.0        | 16.0        | 17.0         |                |              | 10.0           | 13.0 |
|                          | Nominal | UN1-1  | 9.0                       | 12.0        | 15.0         | 16.0         | ch. 36<br>14.0 | 13.0         |             | 7.0         | 10.0         | 13.0           | ch. 36<br>14.0 | 14.0         |             | 9.0         | 12.0         | 15.0           | 16.0         | ch. 36<br>14.0 | 17.0 |
|                          |         | UN1-2A | 9.0                       | 12.0        | 15.0         | 16.0         | ch. 64<br>14.0 | 13.0         |             | 7.0         | 10.0         | 13.0           | ch. 64<br>14.0 | 14.0         |             | 9.0         | 12.0         | 15.0           | 16.0         | ch. 64<br>14.0 | 17.0 |
|                          |         | UN1-2C | 9.0                       | 12.0        | 15.0         | 16.0         |                |              |             | 7.0         | 10.0         | 13.0           |                |              |             | 8.0         | 12.0         | 15.0           |              |                |      |
|                          |         | UN1-3  | 9.0                       | 12.0        | 15.0         | 16.0         |                |              |             | 7.0         | 10.0         | 13.0           |                |              |             | 8.0         | 12.0         | 15.0           |              |                |      |
|                          |         | UN1-4  | 9.0                       | 12.0        | 15.0         | 16.0         |                |              |             | 7.0         | 10.0         | 13.0           |                |              |             | 8.0         | 12.0         | 15.0           |              |                |      |
| 5 GHz WiFi<br>(40MHz BW) | Maximum | UN1-1  | 10.0                      | 13.0        | 16.0         | 16.0         | 16.0           | 15.0         |             | 8.0         | 11.0         | 14.0           | 14.0           | 14.0         |             | 10.0        | 13.0         | 16.0           | 16.0         | 16.0           |      |
|                          |         | UN1-2A | 10.0                      | 13.0        | 16.0         | 16.0         | 16.0           | 15.0         |             | 8.0         | 11.0         | 14.0           | 14.0           | 14.0         |             | 10.0        | 13.0         | 16.0           | 16.0         | 16.0           |      |
|                          |         | UN1-2C | 10.0                      | 13.0        | 16.0         | 16.0         | 16.0           | 15.0         |             | 8.0         | 11.0         | 14.0           | 14.0           | 14.0         |             | 10.0        | 13.0         | 16.0           | 16.0         | 16.0           |      |
|                          |         | UN1-3  | 10.0                      | 13.0        | 16.0         | 16.0         | 16.0           | 15.0         |             | 8.0         | 11.0         | 14.0           | 14.0           | 14.0         |             | 10.0        | 13.0         | 16.0           | 16.0         | 16.0           |      |
|                          |         | UN1-4  | 10.0                      | 13.0        | 16.0         | 16.0         | 16.0           | 15.0         |             | 8.0         | 11.0         | 14.0           | 14.0           | 14.0         |             | 10.0        | 13.0         | 16.0           | 16.0         | 16.0           |      |
|                          | Nominal | UN1-1  | 9.0                       | 12.0        | 15.0         | 15.0         | 15.0           | 10.0         |             | 7.0         | 10.0         | 13.0           | 13.0           | 13.0         |             | 9.0         | 12.0         | 15.0           | 15.0         | 15.0           |      |
|                          |         | UN1-2A | 9.0                       | 12.0        | 15.0         | 15.0         | 15.0           | 10.0         |             | 7.0         | 10.0         | 13.0           | 13.0           | 13.0         |             | 9.0         | 12.0         | 15.0           | 15.0         | 15.0           |      |
|                          |         | UN1-2C | 9.0                       | 12.0        | 15.0         | 15.0         | 15.0           | 10.0         |             | 7.0         | 10.0         | 13.0           | 13.0           | 13.0         |             | 9.0         | 12.0         | 15.0           | 15.0         | 15.0           |      |
|                          |         | UN1-3  | 9.0                       | 12.0        | 15.0         | 15.0         | 15.0           | 10.0         |             | 7.0         | 10.0         | 13.0           | 13.0           | 13.0         |             | 9.0         | 12.0         | 15.0           | 15.0         | 15.0           |      |
|                          |         | UN1-4  | 9.0                       | 12.0        | 15.0         | 15.0         | 15.0           | 10.0         |             | 7.0         | 10.0         | 13.0           | 13.0           | 13.0         |             | 9.0         | 12.0         | 15.0           | 15.0         | 15.0           |      |
| 5 GHz WiFi<br>(80MHz BW) | Maximum | UN1-1  | 10.0                      | 12.5        | 12.5         | 12.5         | 12.5           | 17.0         |             | 8.0         | 10.5         | 10.5           | 10.5           | 10.5         | 10.5        | 10.0        | 12.5         | 12.5           | 12.5         | 12.5           | 12.5 |
|                          |         | UN1-2A | 10.0                      | 12.5        | 12.5         | 12.5         | 12.5           | 16.5         |             | 8.0         | 10.5         | 10.5           | 10.5           | 10.5         | 10.5        | 10.0        | 12.5         | 12.5           | 12.5         | 12.5           | 12.5 |
|                          |         | UN1-2C | 10.0                      | 12.5        | 12.5         | 12.5         | 12.5           | 16.0         |             | 8.0         | 10.5         | 10.5           | 10.5           | 10.5         | 10.5        | 10.0        | 12.5         | 12.5           | 12.5         | 12.5           | 12.5 |
|                          |         | UN1-3  | 10.0                      | 12.5        | 12.5         | 12.5         | 12.5           | 15.5         |             | 8.0         | 10.5         | 10.5           | 10.5           | 10.5         | 10.5        | 10.0        | 12.5         | 12.5           | 12.5         | 12.5           | 12.5 |
|                          |         | UN1-4  | 10.0                      | 12.5        | 12.5         | 12.5         | 12.5           | 15.0         |             | 8.0         | 10.5         | 10.5           | 10.5           | 10.5         | 10.5        | 10.0        | 12.5         | 12.5           | 12.5         | 12.5           | 12.5 |
|                          | Nominal | UN1-1  | 9.0                       | 11.5        | 11.5         | 11.5         | 11.5           | 16.0         |             | 7.0         | 9.5          | 9.5            | 9.5            | 9.5          | 9.5         | 9.0         | 11.5         | 11.5           | 11.5         | 11.5           | 11.5 |
|                          |         | UN1-2A | 9.0                       | 11.5        | 11.5         | 11.5         | 11.5           | 15.5         |             | 7.0         | 9.5          | 9.5            | 9.5            | 9.5          | 9.5         | 9.0         | 11.5         | 11.5           | 11.5         | 11.5           | 11.5 |
|                          |         | UN1-2C | 9.0                       | 11.5        | 11.5         | 11.5         | 11.5           | 15.0         |             | 7.0         | 9.5          | 9.5            | 9.5            | 9.5          | 9.5         | 9.0         | 11.5         | 11.5           | 11.5         | 11.5           | 11.5 |
|                          |         | UN1-3  | 9.0                       | 11.5        | 11.5         | 11.5         | 11.5           | 14.5         |             | 7.0         | 9.5          | 9.5            | 9.5            | 9.5          | 9.5         | 9.0         | 11.5         | 11.5           | 11.5         | 11.5           | 11.5 |
|                          |         | UN1-4  | 9.0                       | 11.5        | 11.5         | 11.5         | 11.5           | 14.0         |             | 7.0         | 9.5          | 9.5            | 9.5            | 9.5          | 9.5         | 9.0         | 11.5         | 11.5           | 11.5         | 11.5           | 11.5 |

The below table is applicable in the following conditions:

- RSI = 1 (Head)

| Mode                     | Band    |        | IEEE 802.11ax RU (in dBm) |      |        |      |        |      |             |      |      |        |      |        |             |        |      |      |        |      |        |      |        |      |      |
|--------------------------|---------|--------|---------------------------|------|--------|------|--------|------|-------------|------|------|--------|------|--------|-------------|--------|------|------|--------|------|--------|------|--------|------|------|
|                          |         |        | SSB                       |      |        |      |        |      | SSB in MIMO |      |      |        |      |        | SSB in MIMO |        |      |      |        |      |        |      |        |      |      |
|                          |         |        | Antenna G                 |      |        |      |        |      | Antenna E   |      |      |        |      |        | Antenna G   |        |      |      |        |      |        |      |        |      |      |
| 5 GHz WiFi<br>(20MHz BW) | Maximum | UN1-1  | 26T                       | 52T  | 106T   | 242T | 484T   | 996T | 26T         | 52T  | 106T | 242T   | 484T | 996T   | 26T         | 52T    | 106T | 242T | 484T   | 996T |        |      |        |      |      |
|                          |         | UN1-2A | 10.0                      | 13.0 | 14.0   | 14.0 | 14.0   |      | 8.0         | 11.0 | 12.0 | 12.0   | 11.0 |        | 10.0        | 13.0   | 14.0 | 14.0 | 14.0   |      |        |      |        |      |      |
|                          |         | UN1-2C | 10.0                      | 13.0 | ch. 36 | 12.5 | ch. 36 | 12.5 |             | 8.0  | 11.0 | ch. 36 | 11.0 | ch. 36 | 12.0        |        | 10.0 | 13.0 | ch. 36 | 12.5 | ch. 36 | 14.0 | 12.5   |      |      |
|                          |         | UN1-3  | 10.0                      | 13.0 | 14.0   | 14.0 | 14.0   |      | 8.0         | 11.0 | 12.0 | 12.0   | 11.0 |        | 10.0        | 13.0   | 14.0 | 14.0 | 14.0   |      |        |      |        |      |      |
|                          |         | UN1-4  | 10.0                      | 13.0 | 14.0   | 14.0 | 14.0   |      | 8.0         | 11.0 | 12.0 | 12.0   | 11.0 |        | 10.0        | 13.0   | 14.0 | 14.0 | 14.0   |      |        |      |        |      |      |
|                          | Normal  | UN1-1  | 9.0                       | 12.0 | 13.0   | 13.0 | 11.5   |      | 7.0         | 10.0 | 11.0 | 11.0   | 11.0 |        | 9.0         | 12.0   | 13.0 | 13.0 | 11.5   |      |        |      |        |      |      |
|                          |         | UN1-2A | 9.0                       | 12.0 | ch. 36 | 11.5 | ch. 36 | 11.5 |             | 7.0  | 10.0 | ch. 36 | 11.0 | ch. 36 | 11.0        |        | 9.0  | 12.0 | ch. 36 | 11.5 | ch. 36 | 11.5 |        |      |      |
|                          |         | UN1-2C | 9.0                       | 12.0 | ch. 64 | 12.5 | ch. 64 | 12.5 |             | 7.0  | 10.0 | ch. 64 | 11.0 | ch. 64 | 11.0        |        | 9.0  | 12.0 | ch. 64 | 12.5 | ch. 64 | 12.5 |        |      |      |
|                          |         | UN1-3  | 9.0                       | 12.0 | 13.0   | 13.0 | 11.5   |      | 7.0         | 10.0 | 11.0 | 11.0   | 11.0 |        | 9.0         | 12.0   | 13.0 | 13.0 | 11.5   |      |        |      |        |      |      |
|                          |         | UN1-4  | 9.0                       | 12.0 | 13.0   | 13.0 | 11.5   |      | 7.0         | 10.0 | 11.0 | 11.0   | 11.0 |        | 9.0         | 12.0   | 13.0 | 13.0 | 11.5   |      |        |      |        |      |      |
| 5 GHz WiFi<br>(40MHz BW) | Maximum | UN1-1  | 10.0                      | 13.0 | 14.0   | 14.0 | 14.0   | 14.0 |             | 8.0  | 11.0 | 12.0   | 12.0 | 12.0   | 11.0        |        | 10.0 | 13.0 | 14.0   | 14.0 | 14.0   | 14.0 |        |      |      |
|                          |         | UN1-2A | 10.0                      | 13.0 | ch. 36 | 12.5 | ch. 36 | 12.5 | ch. 36      | 12.5 |      | 8.0    | 11.0 | ch. 36 | 11.0        | ch. 36 | 12.0 |      | 10.0   | 13.0 | ch. 36 | 12.5 | ch. 36 | 14.0 | 12.5 |
|                          |         | UN1-2C | 10.0                      | 13.0 | ch. 62 | 13.5 | ch. 62 | 13.5 | ch. 62      | 13.5 |      | 8.0    | 11.0 | ch. 62 | 11.0        | ch. 62 | 12.0 |      | 10.0   | 13.0 | ch. 62 | 13.5 | ch. 62 | 13.5 |      |
|                          |         | UN1-3  | 10.0                      | 13.0 | 14.0   | 14.0 | 14.0   | 14.0 |             | 8.0  | 11.0 | 12.0   | 12.0 | 12.0   | 11.0        |        | 10.0 | 13.0 | 14.0   | 14.0 | 14.0   | 14.0 |        |      |      |
|                          |         | UN1-4  | 10.0                      | 13.0 | 14.0   | 14.0 | 14.0   | 14.0 |             | 8.0  | 11.0 | 12.0   | 12.0 | 12.0   | 11.0        |        | 10.0 | 13.0 | 14.0   | 14.0 | 14.0   | 14.0 |        |      |      |
|                          | Normal  | UN1-1  | 9.0                       | 12.0 | ch. 36 | 11.5 | ch. 36 | 11.5 | ch. 36      | 11.5 |      | 7.0    | 10.0 | ch. 36 | 11.0        | ch. 36 | 11.0 |      | 9.0    | 12.0 | ch. 36 | 11.5 | ch. 36 | 11.5 |      |
|                          |         | UN1-2A | 9.0                       | 12.0 | ch. 62 | 12.5 | ch. 62 | 12.5 | ch. 62      | 12.5 |      | 7.0    | 10.0 | ch. 62 | 11.0        | ch. 62 | 11.0 |      | 9.0    | 12.0 | ch. 62 | 12.5 | ch. 62 | 12.5 |      |
|                          |         | UN1-2C | 9.0                       | 12.0 | 13.0   | 13.0 | 13.0   | 13.0 |             | 7.0  | 10.0 | 11.0   | 11.0 | 11.0   | 11.0        |        | 9.0  | 12.0 | 13.0   | 13.0 | 13.0   | 13.0 |        |      |      |
|                          |         | UN1-3  | 9.0                       | 12.0 | 13.0   | 13.0 | 13.0   | 13.0 |             | 7.0  | 10.0 | 11.0   | 11.0 | 11.0   | 11.0        |        | 9.0  | 12.0 | 13.0   | 13.0 | 13.0   | 13.0 |        |      |      |
|                          |         | UN1-4  | 9.0                       | 12.0 | 13.0   | 13.0 | 13.0   | 13.0 |             | 7.0  | 10.0 | 11.0   | 11.0 | 11.0   | 11.0        |        | 9.0  | 12.0 | 13.0   | 13.0 | 13.0   | 13.0 |        |      |      |
| 5 GHz WiFi<br>(80MHz BW) | Maximum | UN1-1  | 10.0                      | 12.5 | 12.5   | 12.5 | 12.5   | 12.5 | 12.5        | 12.5 | 10.5 | 10.5   | 10.5 | 10.5   | 10.5        | 10.5   | 10.5 | 10.5 | 10.5   | 10.5 | 10.5   | 10.5 | 10.5   |      |      |
|                          |         | UN1-2A | 10.0                      | 12.5 | 12.5   | 12.5 | 12.5   | 12.5 | 12.5        | 10.5 | 10.5 | 10.5   | 10.5 | 10.5   | 10.5        | 10.5   | 10.5 | 10.5 | 10.5   | 10.5 | 10.5   | 10.5 | 10.5   |      |      |
|                          |         | UN1-2C | 10.0                      | 12.5 | 12.5   | 12.5 | 12.5   | 12.5 | 12.5        | 10.5 | 10.5 | 10.5   | 10.5 | 10.5   | 10.5        | 10.5   | 10.5 | 10.5 | 10.5   | 10.5 | 10.5   | 10.5 | 10.5   |      |      |
|                          |         | UN1-3  | 10.0                      | 12.5 | 12.5   | 12.5 | 12.5   | 12.5 | 12.5        | 10.5 | 10.5 | 10.5   | 10.5 | 10.5   | 10.5        | 10.5   | 10.5 | 10.5 | 10.5   | 10.5 | 10.5   | 10.5 | 10.5   |      |      |
|                          |         | UN1-4  | 10.0                      | 12.5 | 12.5   | 12.5 | 12.5   | 12.5 | 12.5        | 10.5 | 10.5 | 10.5   | 10.5 | 10.5   | 10.5        | 10.5   | 10.5 | 10.5 | 10.5   | 10.5 | 10.5   | 10.5 | 10.5   |      |      |
|                          | Normal  | UN1-1  | 9.0                       | 11.5 | 11.5   | 11.5 | 11.5   | 11.5 | 11.5        | 7.0  | 9.5  | 9.5    | 9.5  | 9.5    | 9.5         | 9.5    | 9.5  | 9.5  | 9.5    | 9.5  | 9.5    | 9.5  | 9.5    |      |      |
|                          |         | UN1-2A | 9.0                       | 11.5 | 11.5   | 11.5 | 11.5   | 11.5 | 11.5        | 7.0  | 9.5  | 9.5    | 9.5  | 9.5    | 9.5         | 9.5    | 9.5  | 9.5  | 9.5    | 9.5  | 9.5    | 9.5  | 9.5    |      |      |
|                          |         | UN1-2C | 9.0                       | 11.5 | 11.5   | 11.5 | 11.5   | 11.5 | 11.5        | 7.0  | 9.5  | 9.5    | 9.5  | 9.5    | 9.5         | 9.5    | 9.5  | 9.5  | 9.5    | 9.5  | 9.5    | 9.5  | 9.5    |      |      |
|                          |         | UN1-3  | 9.0                       | 11.5 | 11.5   | 11.5 | 11.5   | 11.5 | 11.5        | 7.0  | 9.5  | 9.5    | 9.5  | 9.5    | 9.5         | 9.5    | 9.5  | 9.5  | 9.5    | 9.5  | 9.5    | 9.5  | 9.5    |      |      |

## 1.2.3 6 GHz WLAN 802.11ax RU WLAN Output Power

The below table is applicable in the following conditions:

- Pmax
- RSI = 0 (Body-Worn, Hotspot or Phablet)
- RSI = 1 (Head)

| Mode             | Band        | IEEE 802.11ax RU (in dBm) |      |      |      |      |      |             |      |      |      |      |      |             |      |      |      |      |      |
|------------------|-------------|---------------------------|------|------|------|------|------|-------------|------|------|------|------|------|-------------|------|------|------|------|------|
|                  |             | SISO                      |      |      |      |      |      | SISO + MIMO |      |      |      |      |      | SISO + MIMO |      |      |      |      |      |
|                  |             | Antenna E                 |      |      |      |      |      | Antenna E   |      |      |      |      |      | Antenna G   |      |      |      |      |      |
|                  |             | 20T                       | 52T  | 100T | 242T | 484T | 996T | 20T         | 52T  | 100T | 242T | 484T | 996T | 20T         | 52T  | 100T | 242T | 484T | 996T |
| E GHz WFI        | UNO-5.2.7.8 | Maximum                   | 0.5  | 4.0  | 6.5  | 10.0 |      | -2.5        | 1.0  | 4.0  | 7.0  |      |      | 0.5         | 4.0  | 6.5  | 10.0 |      |      |
| (20MHz BW) - LPA | UNO-5.2.7.8 | Normal                    | 0.0  | 3.0  | 5.5  | 9.0  |      | -3.0        | 0.0  | 3.0  | 6.0  |      |      | -0.5        | 3.0  | 5.5  | 9.0  |      |      |
| E GHz WFI        | UNO-5.2.7.8 | Maximum                   | 0.5  | 4.0  | 6.5  | 10.0 | 10.0 | -2.5        | 1.0  | 4.0  | 7.0  | 7.0  |      | 0.5         | 4.0  | 6.5  | 10.0 | 10.0 |      |
| (40MHz BW) - LPA | UNO-5.2.7.8 | Normal                    | 0.0  | 3.0  | 5.5  | 9.0  | 9.0  | -3.0        | 0.0  | 3.0  | 6.0  | 6.0  |      | -0.5        | 3.0  | 5.5  | 9.0  | 9.0  |      |
| E GHz WFI        | UNO-5.2.7.8 | Maximum                   | 0.5  | 4.0  | 6.5  | 10.0 | 10.0 | -2.5        | 1.0  | 4.0  | 7.0  | 7.0  | 7.0  | 0.5         | 4.0  | 6.5  | 10.0 | 10.0 | 10.0 |
| (80MHz BW) - LPA | UNO-5.2.7.8 | Normal                    | -0.5 | 3.0  | 5.5  | 9.0  | 9.0  | -3.5        | 1.0  | 3.0  | 6.0  | 6.0  | 6.0  | -0.5        | 3.0  | 5.5  | 9.0  | 9.0  | 9.0  |
| Mode             | Band        | IEEE 802.11ax RU (in dBm) |      |      |      |      |      |             |      |      |      |      |      |             |      |      |      |      |      |
|                  |             | SISO                      |      |      |      |      |      | SISO + MIMO |      |      |      |      |      | SISO + MIMO |      |      |      |      |      |
|                  |             | Antenna E                 |      |      |      |      |      | Antenna E   |      |      |      |      |      | Antenna G   |      |      |      |      |      |
|                  |             | 20T                       | 52T  | 100T | 242T | 484T | 996T | 20T         | 52T  | 100T | 242T | 484T | 996T | 20T         | 52T  | 100T | 242T | 484T | 996T |
| E GHz WFI        | UNO-5.2.7   | Maximum                   | 0.5  | 4.0  | 6.5  | 10.0 |      | -2.5        | 1.0  | 4.0  | 7.0  |      |      | 0.5         | 4.0  | 6.5  | 10.0 |      |      |
| (20MHz BW) - SP  | UNO-5.2.7   | Normal                    | -0.5 | 3.0  | 5.5  | 9.0  |      | -3.0        | 0.0  | 3.0  | 6.0  |      |      | -0.5        | 3.0  | 5.5  | 9.0  |      |      |
| E GHz WFI        | UNO-5.2.7   | Maximum                   | 0.5  | 4.0  | 6.5  | 10.0 | 10.0 | -2.5        | 1.0  | 4.0  | 7.0  | 7.0  |      | 0.5         | 4.0  | 6.5  | 10.0 | 10.0 |      |
| (40MHz BW) - SP  | UNO-5.2.7   | Normal                    | -0.5 | 3.0  | 5.5  | 9.0  | 9.0  | -3.0        | 0.0  | 3.0  | 6.0  | 6.0  |      | -0.5        | 3.0  | 5.5  | 9.0  | 9.0  |      |
| E GHz WFI        | UNO-5.2.7   | Maximum                   | 0.5  | 4.0  | 6.5  | 10.0 | 10.0 | -2.5        | 1.0  | 4.0  | 7.0  | 7.0  | 7.0  | 0.5         | 4.0  | 6.5  | 10.0 | 10.0 | 10.0 |
| (80MHz BW) - SP  | UNO-5.2.7   | Normal                    | -0.5 | 3.0  | 5.5  | 9.0  | 9.0  | -3.5        | 0.0  | 3.0  | 6.0  | 6.0  | 6.0  | -0.5        | 3.0  | 5.5  | 9.0  | 9.0  | 9.0  |
| Mode             | Band        | IEEE 802.11ax RU (in dBm) |      |      |      |      |      |             |      |      |      |      |      |             |      |      |      |      |      |
|                  |             | SISO                      |      |      |      |      |      | SISO + MIMO |      |      |      |      |      | SISO + MIMO |      |      |      |      |      |
|                  |             | Antenna E                 |      |      |      |      |      | Antenna E   |      |      |      |      |      | Antenna G   |      |      |      |      |      |
|                  |             | 20T                       | 52T  | 100T | 242T | 484T | 996T | 20T         | 52T  | 100T | 242T | 484T | 996T | 20T         | 52T  | 100T | 242T | 484T | 996T |
| E GHz WFI        | UNO-5.2.7.8 | Maximum                   | -3.5 | 0.0  | 3.0  | 5.5  |      | -4.0        | -3.0 | 0.0  | 2.5  |      |      | -3.5        | 0.0  | 3.0  | 5.5  |      |      |
| (20MHz BW) - LPA | UNO-5.2.7.8 | Normal                    | -4.0 | -3.0 | 2.0  | 4.5  |      | -4.5        | -4.0 | -3.0 | 1.5  |      |      | -4.5        | -3.0 | 2.0  | 4.5  |      |      |
| E GHz WFI        | UNO-5.2.7.8 | Maximum                   | -3.5 | 0.0  | 3.0  | 5.5  |      | -4.0        | -3.0 | 0.0  | 2.5  | 2.5  |      | -3.5        | 0.0  | 3.0  | 5.5  | 5.5  |      |
| (40MHz BW) - LPA | UNO-5.2.7.8 | Normal                    | -4.0 | -3.0 | 2.0  | 4.5  | 4.5  | -4.5        | -4.0 | -3.0 | 1.5  | 1.5  |      | -4.5        | -3.0 | 2.0  | 4.5  | 4.5  |      |
| E GHz WFI        | UNO-5.2.7.8 | Maximum                   | -4.0 | 0.0  | 4.0  | 6.0  | 6.0  | -4.0        | -3.0 | 0.0  | 2.5  | 2.5  | 2.5  | -4.0        | 0.0  | 4.0  | 6.0  | 6.0  | 6.0  |
| (80MHz BW) - LPA | UNO-5.2.7.8 | Normal                    | -4.5 | -3.0 | 4.0  | 6.0  | 6.0  | -4.5        | -3.0 | -3.0 | 1.5  | 1.5  | 1.5  | -4.5        | -3.0 | 4.0  | 6.0  | 6.0  | 6.0  |

|                               |                                |                                   |
|-------------------------------|--------------------------------|-----------------------------------|
| FCC ID A3LSMA576B             | RF EXPOSURE PART 1 TEST REPORT | Approved by:<br>Technical Manager |
| DUT Type:<br>Portable Handset |                                | APPENDIX I:<br>Page 1 of 3        |