

## 10. SAR AND IPD TEST RESULTS

### 10.1 Head SAR and APD (Absorbed Power Density) Results

Table 10.1.1 DTS Head SAR

| MEASUREMENT RESULTS                                                                                       |    |                   |                                      |                             |                        |                     |                            |                                                 |                        |               |                     |                   |                                      |                               |                |
|-----------------------------------------------------------------------------------------------------------|----|-------------------|--------------------------------------|-----------------------------|------------------------|---------------------|----------------------------|-------------------------------------------------|------------------------|---------------|---------------------|-------------------|--------------------------------------|-------------------------------|----------------|
| FREQUENCY                                                                                                 |    | Mode<br>(Antenna) | Maximum<br>Allowed<br>Power<br>[dBm] | Conducted<br>Power<br>[dBm] | Drift<br>Power<br>[dB] | Phantom<br>Position | Device<br>Serial<br>Number | Peak SAR of<br>Area Scan                        | Data<br>Rate<br>[Mbps] | Duty<br>Cycle | 1g<br>SAR<br>(W/kg) | Scaling<br>Factor | Scaling<br>Factor<br>(Duty<br>Cycle) | 1g<br>Scaled<br>SAR<br>(W/kg) | Plot<br>s<br># |
| MHz                                                                                                       | Ch |                   |                                      |                             |                        |                     |                            |                                                 |                        |               |                     |                   |                                      |                               |                |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.8)   | 15.50                                | 15.45                       | 0.080                  | Left Touch          | FCC #2                     | 0.283                                           | 1                      | 98.1          | 0.279               | 1.012             | 1.019                                | 0.288                         | A1             |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.8)   | 15.50                                | 15.45                       | 0.180                  | Right Touch         | FCC #2                     | 0.210                                           | 1                      | 98.1          | 0.236               | 1.012             | 1.019                                | 0.243                         |                |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.8)   | 15.50                                | 15.45                       | 0.080                  | Left Tilt           | FCC #2                     | 0.256                                           | 1                      | 98.1          | 0.244               | 1.012             | 1.019                                | 0.252                         |                |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.8)   | 15.50                                | 15.45                       | 0.150                  | Right Tilt          | FCC #2                     | 0.195                                           | 1                      | 98.1          | 0.195               | 1.012             | 1.019                                | 0.201                         | A2             |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.8)   | 15.50                                | 15.45                       | 0.080                  | Left Touch          | FCC #2                     | 0.273                                           | 1                      | 98.1          | 0.273               | 1.012             | 1.019                                | 0.282                         |                |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.9)   | 16.70                                | 16.66                       | -0.120                 | Left Touch          | FCC #2                     | 0.073                                           | 1                      | 98.1          | 0.068               | 1.009             | 1.019                                | 0.070                         |                |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.9)   | 16.70                                | 16.66                       | -0.060                 | Right Touch         | FCC #2                     | 0.121                                           | 1                      | 98.1          | 0.119               | 1.009             | 1.019                                | 0.122                         | A2             |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.9)   | 16.70                                | 16.66                       | 0.030                  | Left Tilt           | FCC #2                     | 0.018                                           | 1                      | 98.1          | 0.019               | 1.009             | 1.019                                | 0.020                         |                |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.9)   | 16.70                                | 16.66                       | 0.090                  | Right Tilt          | FCC #2                     | 0.032                                           | 1                      | 98.1          | 0.033               | 1.009             | 1.019                                | 0.034                         |                |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.9)   | 16.70                                | 16.66                       | 0.030                  | Right Touch         | FCC #2                     | 0.106                                           | 1                      | 98.1          | 0.114               | 1.009             | 1.019                                | 0.117                         | A3             |
| 2 437.0                                                                                                   | 6  | 802.11ac (MIMO)   | 17.71                                | 17.62                       | 0.140                  | Left Touch          | FCC #2                     | 0.280                                           | MCS0                   | 99.0          | 0.284               | 1.021             | 1.010                                | 0.293                         |                |
| 2 437.0                                                                                                   | 6  | 802.11ac (MIMO)   | 17.71                                | 17.62                       | 0.100                  | Right Touch         | FCC #2                     | 0.203                                           | MCS0                   | 99.0          | 0.223               | 1.021             | 1.010                                | 0.230                         |                |
| 2 437.0                                                                                                   | 6  | 802.11ac (MIMO)   | 17.71                                | 17.62                       | 0.100                  | Left Tilt           | FCC #2                     | 0.248                                           | MCS0                   | 99.0          | 0.247               | 1.021             | 1.010                                | 0.255                         | A3             |
| 2 437.0                                                                                                   | 6  | 802.11ac (MIMO)   | 17.71                                | 17.62                       | 0.120                  | Right Tilt          | FCC #2                     | 0.185                                           | MCS0                   | 99.0          | 0.188               | 1.021             | 1.010                                | 0.194                         |                |
| 2 437.0                                                                                                   | 6  | 802.11ac (MIMO)   | 17.71                                | 17.62                       | -0.080                 | Left Touch          | FCC #2                     | 0.271                                           | MCS0                   | 99.0          | 0.278               | 1.021             | 1.010                                | 0.287                         |                |
| ANSI / IEEE C95.1-1992- SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population Exposure |    |                   |                                      |                             |                        |                     |                            | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                        |               |                     |                   |                                      |                               |                |

Note: Blue entries represent Extended Battery measurements.

| Adjusted SAR results for OFDM SAR                                                                         |    |                 |         |                                      |                               |                    |                  |                                                 |                                      |                          |                                 |                    |  |
|-----------------------------------------------------------------------------------------------------------|----|-----------------|---------|--------------------------------------|-------------------------------|--------------------|------------------|-------------------------------------------------|--------------------------------------|--------------------------|---------------------------------|--------------------|--|
| FREQUENCY                                                                                                 |    | Mode/ Antenna   | Service | Maximum<br>Allowed<br>Power<br>[dBm] | 1g<br>Scaled<br>SAR<br>(W/kg) | FREQUENCY<br>[MHz] | Mode             | Service                                         | Maximum<br>Allowed<br>Power<br>[dBm] | Ratio of OFDM<br>to DSSS | 1g<br>Adjusted<br>SAR<br>(W/kg) | Determine OFDM SAR |  |
| MHz                                                                                                       | Ch |                 |         |                                      |                               |                    |                  |                                                 |                                      |                          |                                 |                    |  |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.8) | DSSS    | 15.50                                | 0.288                         | 2 437.0            | 802.11g          | OFDM                                            | 15.00                                | 0.891                    | 0.257                           | X                  |  |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.8) | DSSS    | 15.50                                | 0.288                         | 2 437.0            | 802.11n (HT20)   | OFDM                                            | 14.50                                | 0.794                    | 0.229                           | X                  |  |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.8) | DSSS    | 15.50                                | 0.288                         | 2 437.0            | 802.11ac (VHT20) | OFDM                                            | 14.50                                | 0.794                    | 0.229                           | X                  |  |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.8) | DSSS    | 15.50                                | 0.288                         | 2 437.0            | 802.11n (HT40)   | OFDM                                            | 14.50                                | 0.794                    | 0.229                           | X                  |  |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.8) | DSSS    | 15.50                                | 0.288                         | 2 437.0            | 802.11ac (VHT40) | OFDM                                            | 14.70                                | 0.832                    | 0.240                           | X                  |  |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.8) | DSSS    | 15.50                                | 0.288                         | 2 437.0            | 802.11ax (HE20)  | OFDM                                            | 12.50                                | 0.501                    | 0.144                           | X                  |  |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.8) | DSSS    | 15.50                                | 0.288                         | 2 437.0            | 802.11ax (HE40)  | OFDM                                            | 12.50                                | 0.501                    | 0.144                           | X                  |  |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.9) | DSSS    | 16.70                                | 0.122                         | 2 437.0            | 802.11g          | OFDM                                            | 16.50                                | 0.955                    | 0.117                           | X                  |  |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.9) | DSSS    | 16.70                                | 0.122                         | 2 437.0            | 802.11n (HT20)   | OFDM                                            | 14.50                                | 0.603                    | 0.074                           | X                  |  |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.9) | DSSS    | 16.70                                | 0.122                         | 2 437.0            | 802.11ac (VHT20) | OFDM                                            | 14.50                                | 0.603                    | 0.074                           | X                  |  |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.9) | DSSS    | 16.70                                | 0.122                         | 2 437.0            | 802.11n (HT40)   | OFDM                                            | 14.50                                | 0.603                    | 0.074                           | X                  |  |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.9) | DSSS    | 16.70                                | 0.122                         | 2 437.0            | 802.11ac (VHT40) | OFDM                                            | 14.70                                | 0.631                    | 0.077                           | X                  |  |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.9) | DSSS    | 16.70                                | 0.122                         | 2 437.0            | 802.11ax (HE20)  | OFDM                                            | 14.00                                | 0.537                    | 0.066                           | X                  |  |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.9) | DSSS    | 16.70                                | 0.122                         | 2 437.0            | 802.11ax (HE40)  | OFDM                                            | 14.00                                | 0.537                    | 0.066                           | X                  |  |
| 2 437.0                                                                                                   | 6  | 802.11ac (MIMO) | OFDM    | 17.71                                | 0.293                         | 2 437.0            | 802.11n (HT20)   | OFDM                                            | 17.51                                | 0.955                    | 0.280                           | X                  |  |
| 2 437.0                                                                                                   | 6  | 802.11ac (MIMO) | OFDM    | 17.71                                | 0.293                         | 2 437.0            | 802.11ac (VHT20) | OFDM                                            | 17.51                                | 0.955                    | 0.280                           | X                  |  |
| 2 437.0                                                                                                   | 6  | 802.11ac (MIMO) | OFDM    | 17.71                                | 0.293                         | 2 437.0            | 802.11n (HT40)   | OFDM                                            | 17.51                                | 0.955                    | 0.280                           | X                  |  |
| 2 437.0                                                                                                   | 6  | 802.11ac (MIMO) | OFDM    | 17.71                                | 0.293                         | 2 437.0            | 802.11ax (HE20)  | OFDM                                            | 16.32                                | 0.726                    | 0.213                           | X                  |  |
| 2 437.0                                                                                                   | 6  | 802.11ac (MIMO) | OFDM    | 17.71                                | 0.293                         | 2 437.0            | 802.11ax (HE40)  | OFDM                                            | 16.32                                | 0.726                    | 0.213                           | X                  |  |
| ANSI / IEEE C95.1-1992- SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population Exposure |    |                 |         |                                      |                               |                    |                  | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                                      |                          |                                 |                    |  |

Note: SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Table 10.1.2 UNII Head SAR

| MEASUREMENT RESULTS                                                                                       |    |                   |                                      |                             |                        |                     |                            |                          |                                                 |               |                     |                   |                                      |                            |            |
|-----------------------------------------------------------------------------------------------------------|----|-------------------|--------------------------------------|-----------------------------|------------------------|---------------------|----------------------------|--------------------------|-------------------------------------------------|---------------|---------------------|-------------------|--------------------------------------|----------------------------|------------|
| FREQUENCY                                                                                                 |    | Mode<br>(Antenna) | Maximum<br>Allowed<br>Power<br>[dBm] | Conducted<br>Power<br>[dBm] | Drift<br>Power<br>[dB] | Phantom<br>Position | Device<br>Serial<br>Number | Peak SAR of<br>Area Scan | Data<br>Rate<br>[Mbps]                          | Duty<br>Cycle | 1g<br>SAR<br>(W/kg) | Scaling<br>Factor | Scaling<br>Factor<br>(Duty<br>Cycle) | 1g<br>Scaled SAR<br>(W/kg) | Plots<br># |
| MHz                                                                                                       | Ch |                   |                                      |                             |                        |                     |                            |                          |                                                 |               |                     |                   |                                      |                            |            |
| 5 270.0                                                                                                   | 54 | 802.11n (Ant.8)   | 14.50                                | 14.46                       | 0.000                  | Left Touch          | FCC #2                     | 0.305                    | MCS0                                            | 99.2          | 0.336               | 1.009             | 1.008                                | 0.342                      | A4         |
| 5 270.0                                                                                                   | 54 | 802.11n (Ant.8)   | 14.50                                | 14.46                       | 0.000                  | Right Touch         | FCC #2                     | 0.185                    | MCS0                                            | 99.2          | 0.252               | 1.009             | 1.008                                | 0.256                      |            |
| 5 270.0                                                                                                   | 54 | 802.11n (Ant.8)   | 14.50                                | 14.46                       | 0.000                  | Left Tilt           | FCC #2                     | 0.153                    | MCS0                                            | 99.2          | 0.179               | 1.009             | 1.008                                | 0.182                      |            |
| 5 270.0                                                                                                   | 54 | 802.11n (Ant.8)   | 14.50                                | 14.46                       | 0.000                  | Right Tilt          | FCC #2                     | 0.115                    | MCS0                                            | 99.2          | 0.140               | 1.009             | 1.008                                | 0.142                      | A5         |
| 5 270.0                                                                                                   | 54 | 802.11n (Ant.8)   | 14.50                                | 14.46                       | 0.000                  | Left Touch          | FCC #2                     | 0.323                    | MCS0                                            | 99.2          | 0.332               | 1.009             | 1.008                                | 0.338                      |            |
| 5 270.0                                                                                                   | 54 | 802.11n (Ant.9)   | 14.50                                | 14.43                       | 0.000                  | Left Touch          | FCC #2                     | 0.021                    | MCS0                                            | 99.2          | 0.040               | 1.016             | 1.008                                | 0.041                      |            |
| 5 270.0                                                                                                   | 54 | 802.11n (Ant.9)   | 14.50                                | 14.43                       | 0.000                  | Right Touch         | FCC #2                     | 0.021                    | MCS0                                            | 99.2          | 0.018               | 1.016             | 1.008                                | 0.018                      | A6         |
| 5 270.0                                                                                                   | 54 | 802.11n (Ant.9)   | 14.50                                | 14.43                       | 0.000                  | Left Tilt           | FCC #2                     | 0.034                    | MCS0                                            | 99.2          | 0.027               | 1.016             | 1.008                                | 0.028                      |            |
| 5 270.0                                                                                                   | 54 | 802.11n (Ant.9)   | 14.50                                | 14.43                       | 0.000                  | Right Tilt          | FCC #2                     | 0.016                    | MCS0                                            | 99.2          | 0.011               | 1.016             | 1.008                                | 0.011                      |            |
| 5 270.0                                                                                                   | 54 | 802.11n (Ant.9)   | 14.50                                | 14.43                       | 0.000                  | Left Touch          | FCC #2                     | 0.037                    | MCS0                                            | 99.2          | 0.034               | 1.016             | 1.008                                | 0.035                      | A6         |
| 5 270.0                                                                                                   | 54 | 802.11n (MIMO)    | 17.51                                | 17.46                       | 0.000                  | Left Touch          | FCC #2                     | 0.356                    | MCS0                                            | 99.2          | 0.375               | 1.016             | 1.008                                | 0.384                      |            |
| 5 270.0                                                                                                   | 54 | 802.11n (MIMO)    | 17.51                                | 17.46                       | 0.000                  | Right Touch         | FCC #2                     | 0.068                    | MCS0                                            | 99.2          | 0.059               | 1.016             | 1.008                                | 0.060                      |            |
| 5 270.0                                                                                                   | 54 | 802.11n (MIMO)    | 17.51                                | 17.46                       | 0.000                  | Left Tilt           | FCC #2                     | 0.155                    | MCS0                                            | 99.2          | 0.174               | 1.016             | 1.008                                | 0.178                      | A6         |
| 5 270.0                                                                                                   | 54 | 802.11n (MIMO)    | 17.51                                | 17.46                       | 0.000                  | Right Tilt          | FCC #2                     | 0.048                    | MCS0                                            | 99.2          | 0.036               | 1.016             | 1.008                                | 0.037                      |            |
| 5 270.0                                                                                                   | 54 | 802.11n (MIMO)    | 17.51                                | 17.46                       | 0.190                  | Left Touch          | FCC #2                     | 0.176                    | MCS0                                            | 99.2          | 0.237               | 1.016             | 1.008                                | 0.243                      |            |
| ANSI / IEEE C95.1-1992- SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population Exposure |    |                   |                                      |                             |                        |                     |                            |                          | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |               |                     |                   |                                      |                            |            |
| Note: Blue entries represent Extended Battery measurements.                                               |    |                   |                                      |                             |                        |                     |                            |                          |                                                 |               |                     |                   |                                      |                            |            |

Note: Blue entries represent Extended Battery measurements.

| Adjusted SAR results for UNII-1 and UNII-2A SAR                                                           |    |                 |         |                                      |                               |                    |         |                                                 |                                      |                    |
|-----------------------------------------------------------------------------------------------------------|----|-----------------|---------|--------------------------------------|-------------------------------|--------------------|---------|-------------------------------------------------|--------------------------------------|--------------------|
| FREQUENCY                                                                                                 |    | Mode/ Antenna   | Service | Maximum<br>Allowed<br>Power<br>[dBm] | 1g<br>Scaled<br>SAR<br>(W/kg) | FREQUENCY<br>[MHz] | Mode    | Service                                         | Maximum<br>Allowed<br>Power<br>[dBm] | Adjusted<br>Factor |
| MHz                                                                                                       | Ch |                 |         |                                      |                               |                    |         |                                                 |                                      |                    |
| 5 270.0                                                                                                   | 54 | 802.11n (Ant.8) | OFDM    | 14.50                                | 0.342                         | 5 240.0            | 802.11n | OFDM                                            | 14.50                                | 1.000              |
| 5 270.0                                                                                                   | 54 | 802.11n (Ant.9) | OFDM    | 14.50                                | 0.041                         | 5 220.0            | 802.11n | OFDM                                            | 14.50                                | 1.000              |
| 5 270.0                                                                                                   | 54 | 802.11n (MIMO)  | OFDM    | 17.51                                | 0.384                         | 5 220.0            | 802.11n | OFDM                                            | 17.51                                | 1.000              |
| ANSI / IEEE C95.1-1992- SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population Exposure |    |                 |         |                                      |                               |                    |         | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                                      |                    |

Note: U-NII-1 and U-NII-2A Bands: When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested configuration is adjusted by the ratio of lower to higher specified maximum output power for the two bands. When the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for the band with lower maximum output power in that test configuration.

Table 10.1.3 UNII Head SAR

| MEASUREMENT RESULTS                                                                                       |     |                   |                                      |                             |                        |                     |                            |                             |                                                 |               |                     |                   |                                      |                               |            |
|-----------------------------------------------------------------------------------------------------------|-----|-------------------|--------------------------------------|-----------------------------|------------------------|---------------------|----------------------------|-----------------------------|-------------------------------------------------|---------------|---------------------|-------------------|--------------------------------------|-------------------------------|------------|
| FREQUENCY                                                                                                 |     | Mode<br>(Antenna) | Maximum<br>Allowed<br>Power<br>[dBm] | Conducted<br>Power<br>[dBm] | Drift<br>Power<br>[dB] | Phantom<br>Position | Device<br>Serial<br>Number | Peak SAR<br>of<br>Area Scan | Data<br>Rate<br>[Mbps]                          | Duty<br>Cycle | 1g<br>SAR<br>(W/kg) | Scaling<br>Factor | Scaling<br>Factor<br>(Duty<br>Cycle) | 1g<br>Scaled<br>SAR<br>(W/kg) | Plots<br># |
| MHz                                                                                                       | Ch  |                   |                                      |                             |                        |                     |                            |                             |                                                 |               |                     |                   |                                      |                               |            |
| 5 510.0                                                                                                   | 102 | 802.11n (Ant.8)   | 14.00                                | 13.90                       | 0.000                  | Left Touch          | FCC #2                     | 0.312                       | MCS0                                            | 99.2          | 0.282               | 1.023             | 1.008                                | 0.291                         | A7         |
| 5 510.0                                                                                                   | 102 | 802.11n (Ant.8)   | 14.00                                | 13.90                       | -0.140                 | Right Touch         | FCC #2                     | 0.095                       | MCS0                                            | 99.2          | 0.100               | 1.023             | 1.008                                | 0.103                         |            |
| 5 510.0                                                                                                   | 102 | 802.11n (Ant.8)   | 14.00                                | 13.90                       | 0.000                  | Left Tilt           | FCC #2                     | 0.127                       | MCS0                                            | 99.2          | 0.158               | 1.023             | 1.008                                | 0.163                         |            |
| 5 510.0                                                                                                   | 102 | 802.11n (Ant.8)   | 14.00                                | 13.90                       | 0.000                  | Right Tilt          | FCC #2                     | 0.056                       | MCS0                                            | 99.2          | 0.040               | 1.023             | 1.008                                | 0.041                         |            |
| 5 510.0                                                                                                   | 102 | 802.11n (Ant.8)   | 14.00                                | 13.90                       | 0.000                  | Left Touch          | FCC #2                     | 0.203                       | MCS0                                            | 99.2          | 0.261               | 1.023             | 1.008                                | 0.269                         | A8         |
| 5 510.0                                                                                                   | 102 | 802.11n (Ant.9)   | 14.00                                | 13.89                       | 0.000                  | Left Touch          | FCC #2                     | 0.027                       | MCS0                                            | 99.2          | 0.047               | 1.026             | 1.008                                | 0.049                         |            |
| 5 510.0                                                                                                   | 102 | 802.11n (Ant.9)   | 14.00                                | 13.89                       | 0.000                  | Right Touch         | FCC #2                     | 0.031                       | MCS0                                            | 99.2          | 0.022               | 1.026             | 1.008                                | 0.023                         |            |
| 5 510.0                                                                                                   | 102 | 802.11n (Ant.9)   | 14.00                                | 13.89                       | 0.000                  | Left Tilt           | FCC #2                     | 0.037                       | MCS0                                            | 99.2          | 0.028               | 1.026             | 1.008                                | 0.029                         |            |
| 5 510.0                                                                                                   | 102 | 802.11n (Ant.9)   | 14.00                                | 13.89                       | 0.000                  | Right Tilt          | FCC #2                     | 0.018                       | MCS0                                            | 99.2          | 0.012               | 1.026             | 1.008                                | 0.012                         | A9         |
| 5 510.0                                                                                                   | 102 | 802.11n (Ant.9)   | 14.00                                | 13.89                       | 0.000                  | Left Touch          | FCC #2                     | 0.034                       | MCS0                                            | 99.2          | 0.029               | 1.026             | 1.008                                | 0.030                         |            |
| 5 510.0                                                                                                   | 102 | 802.11n (MIMO)    | 17.01                                | 16.91                       | 0.000                  | Left Touch          | FCC #2                     | 0.289                       | MCS0                                            | 99.2          | 0.307               | 1.026             | 1.008                                | 0.318                         |            |
| 5 510.0                                                                                                   | 102 | 802.11n (MIMO)    | 17.01                                | 16.91                       | 0.000                  | Right Touch         | FCC #2                     | 0.145                       | MCS0                                            | 99.2          | 0.146               | 1.026             | 1.008                                | 0.151                         |            |
| 5 510.0                                                                                                   | 102 | 802.11n (MIMO)    | 17.01                                | 16.91                       | 0.000                  | Left Tilt           | FCC #2                     | 0.122                       | MCS0                                            | 99.2          | 0.143               | 1.026             | 1.008                                | 0.148                         | A10        |
| 5 510.0                                                                                                   | 102 | 802.11n (MIMO)    | 17.01                                | 16.91                       | 0.000                  | Right Tilt          | FCC #2                     | 0.089                       | MCS0                                            | 99.2          | 0.096               | 1.026             | 1.008                                | 0.099                         |            |
| 5 510.0                                                                                                   | 102 | 802.11n (MIMO)    | 17.01                                | 16.91                       | 0.000                  | Left Touch          | FCC #2                     | 0.205                       | MCS0                                            | 99.2          | 0.248               | 1.026             | 1.008                                | 0.257                         |            |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.8)   | 14.00                                | 13.93                       | 0.000                  | Left Touch          | FCC #2                     | 0.302                       | MCS0                                            | 99.2          | 0.302               | 1.016             | 1.008                                | 0.309                         |            |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.8)   | 14.00                                | 13.93                       | -0.090                 | Right Touch         | FCC #2                     | 0.094                       | MCS0                                            | 99.2          | 0.076               | 1.016             | 1.008                                | 0.078                         | A11        |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.8)   | 14.00                                | 13.93                       | 0.000                  | Left Tilt           | FCC #2                     | 0.125                       | MCS0                                            | 99.2          | 0.169               | 1.016             | 1.008                                | 0.173                         |            |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.8)   | 14.00                                | 13.93                       | 0.000                  | Right Tilt          | FCC #2                     | 0.060                       | MCS0                                            | 99.2          | 0.040               | 1.016             | 1.008                                | 0.041                         |            |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.8)   | 14.00                                | 13.93                       | 0.000                  | Left Touch          | FCC #2                     | 0.174                       | MCS0                                            | 99.2          | 0.275               | 1.016             | 1.008                                | 0.282                         |            |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.9)   | 14.00                                | 13.31                       | 0.000                  | Left Touch          | FCC #2                     | 0.078                       | MCS0                                            | 99.2          | 0.055               | 1.172             | 1.008                                | 0.065                         | A12        |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.9)   | 14.00                                | 13.31                       | 0.000                  | Right Touch         | FCC #2                     | 0.027                       | MCS0                                            | 99.2          | 0.026               | 1.172             | 1.008                                | 0.031                         |            |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.9)   | 14.00                                | 13.31                       | 0.000                  | Left Tilt           | FCC #2                     | 0.036                       | MCS0                                            | 99.2          | 0.031               | 1.172             | 1.008                                | 0.037                         |            |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.9)   | 14.00                                | 13.31                       | 0.000                  | Right Tilt          | FCC #2                     | 0.020                       | MCS0                                            | 99.2          | 0.017               | 1.172             | 1.008                                | 0.020                         |            |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.9)   | 14.00                                | 13.31                       | 0.000                  | Left Touch          | FCC #2                     | 0.034                       | MCS0                                            | 99.2          | 0.033               | 1.172             | 1.008                                | 0.039                         | A13        |
| 5 755.0                                                                                                   | 151 | 802.11n (MIMO)    | 17.01                                | 16.64                       | 0.000                  | Left Touch          | FCC #2                     | 0.308                       | MCS0                                            | 99.2          | 0.310               | 1.172             | 1.008                                | 0.366                         |            |
| 5 755.0                                                                                                   | 151 | 802.11n (MIMO)    | 17.01                                | 16.64                       | 0.000                  | Right Touch         | FCC #2                     | 0.148                       | MCS0                                            | 99.2          | 0.174               | 1.172             | 1.008                                | 0.206                         |            |
| 5 755.0                                                                                                   | 151 | 802.11n (MIMO)    | 17.01                                | 16.64                       | 0.000                  | Left Tilt           | FCC #2                     | 0.125                       | MCS0                                            | 99.2          | 0.143               | 1.172             | 1.008                                | 0.169                         |            |
| 5 755.0                                                                                                   | 151 | 802.11n (MIMO)    | 17.01                                | 16.64                       | 0.000                  | Right Tilt          | FCC #2                     | 0.092                       | MCS0                                            | 99.2          | 0.095               | 1.172             | 1.008                                | 0.112                         | A14        |
| 5 755.0                                                                                                   | 151 | 802.11n (MIMO)    | 17.01                                | 16.64                       | 0.000                  | Left Touch          | FCC #2                     | 0.202                       | MCS0                                            | 99.2          | 0.240               | 1.172             | 1.008                                | 0.284                         |            |
| ANSI / IEEE C95.1-1992- SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population Exposure |     |                   |                                      |                             |                        |                     |                            |                             | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |               |                     |                   |                                      |                               |            |
| Notes: All operations are at Extended Duty Cycle                                                          |     |                   |                                      |                             |                        |                     |                            |                             |                                                 |               |                     |                   |                                      |                               |            |

Note: Blue entries represent Extended Battery measurements.

Table 10.1.4 UNII Head SAR

| MEASUREMENT RESULTS                                               |     |                   |                                      |                             |                        |                     |                            |                             |                        |                                                 |                     |                   |                                      |                               |            |
|-------------------------------------------------------------------|-----|-------------------|--------------------------------------|-----------------------------|------------------------|---------------------|----------------------------|-----------------------------|------------------------|-------------------------------------------------|---------------------|-------------------|--------------------------------------|-------------------------------|------------|
| FREQUENCY                                                         |     | Mode<br>(Antenna) | Maximum<br>Allowed<br>Power<br>[dBm] | Conducted<br>Power<br>[dBm] | Drift<br>Power<br>[dB] | Phantom<br>Position | Device<br>Serial<br>Number | Peak SAR<br>of<br>Area Scan | Data<br>Rate<br>[Mbps] | Duty<br>Cycle                                   | 1g<br>SAR<br>(W/kg) | Scaling<br>Factor | Scaling<br>Factor<br>(Duty<br>Cycle) | 1g<br>Scaled<br>SAR<br>(W/kg) | Plots<br># |
| MHz                                                               | Ch  |                   |                                      |                             |                        |                     |                            |                             |                        |                                                 |                     |                   |                                      |                               |            |
| 6 025.0                                                           | 15  | 802.11ax (Ant.8)  | 10.00                                | 9.56                        | 0.000                  | Left Touch          | FCC #2                     | 0.045                       | MCS0                   | 99.1                                            | 0.059               | 1.107             | 1.009                                | 0.066                         | A13        |
| 6 345.0                                                           | 79  | 802.11ax (Ant.8)  | 9.00                                 | 8.95                        | -0.090                 | Left Touch          | FCC #2                     | 0.057                       | MCS0                   | 99.1                                            | 0.077               | 1.012             | 1.009                                | 0.079                         |            |
| 6 505.0                                                           | 111 | 802.11ax (Ant.8)  | 9.00                                 | 8.80                        | -0.130                 | Left Touch          | FCC #2                     | 0.060                       | MCS0                   | 99.1                                            | 0.078               | 1.047             | 1.009                                | 0.082                         |            |
| 6 665.0                                                           | 143 | 802.11ax (Ant.8)  | 10.00                                | 9.62                        | 0.000                  | Left Touch          | FCC #2                     | 0.041                       | MCS0                   | 99.1                                            | 0.050               | 1.091             | 1.009                                | 0.055                         |            |
| 6 985.0                                                           | 207 | 802.11ax (Ant.8)  | 10.00                                | 9.27                        | 0.000                  | Left Touch          | FCC #2                     | 0.017                       | MCS0                   | 99.1                                            | 0.028               | 1.183             | 1.009                                | 0.033                         |            |
| 6 665.0                                                           | 143 | 802.11ax (Ant.8)  | 10.00                                | 9.62                        | 0.000                  | Right Touch         | FCC #2                     | 0.015                       | MCS0                   | 99.1                                            | 0.018               | 1.091             | 1.009                                | 0.020                         |            |
| 6 665.0                                                           | 143 | 802.11ax (Ant.8)  | 10.00                                | 9.62                        | 0.000                  | Left Tilt           | FCC #2                     | 0.020                       | MCS0                   | 99.1                                            | 0.034               | 1.091             | 1.009                                | 0.037                         |            |
| 6 665.0                                                           | 143 | 802.11ax (Ant.8)  | 10.00                                | 9.62                        | 0.000                  | Right Tilt          | FCC #2                     | 0.010                       | MCS0                   | 99.1                                            | 0.018               | 1.091             | 1.009                                | 0.020                         |            |
| 6 505.0                                                           | 111 | 802.11ax (Ant.8)  | 10.00                                | 8.80                        | 0.140                  | Left Touch          | FCC #2                     | 0.049                       | MCS0                   | 99.1                                            | 0.064               | 1.047             | 1.009                                | 0.068                         | A14        |
| 6 665.0                                                           | 143 | 802.11ax (Ant.9)  | 10.00                                | 9.98                        | 0.000                  | Left Touch          | FCC #2                     | 0.027                       | MCS0                   | 99.1                                            | 0.038               | 1.005             | 1.009                                | 0.039                         |            |
| 6 025.0                                                           | 15  | 802.11ax (Ant.9)  | 10.00                                | 8.98                        | 0.000                  | Right Touch         | FCC #2                     | 0.072                       | MCS0                   | 99.1                                            | 0.085               | 1.265             | 1.009                                | 0.109                         |            |
| 6 345.0                                                           | 79  | 802.11ax (Ant.9)  | 10.00                                | 9.88                        | 0.000                  | Right Touch         | FCC #2                     | 0.050                       | MCS0                   | 99.1                                            | 0.056               | 1.028             | 1.009                                | 0.058                         |            |
| 6 505.0                                                           | 111 | 802.11ax (Ant.9)  | 10.00                                | 9.87                        | 0.050                  | Right Touch         | FCC #2                     | 0.075                       | MCS0                   | 99.1                                            | 0.087               | 1.030             | 1.009                                | 0.090                         |            |
| 6 665.0                                                           | 143 | 802.11ax (Ant.9)  | 10.00                                | 9.98                        | 0.140                  | Right Touch         | FCC #2                     | 0.082                       | MCS0                   | 99.1                                            | 0.095               | 1.005             | 1.009                                | 0.096                         |            |
| 6 985.0                                                           | 207 | 802.11ax (Ant.9)  | 10.00                                | 9.86                        | 0.190                  | Right Touch         | FCC #2                     | 0.171                       | MCS0                   | 99.1                                            | 0.181               | 1.033             | 1.009                                | 0.189                         |            |
| 6 665.0                                                           | 143 | 802.11ax (Ant.9)  | 10.00                                | 9.98                        | 0.000                  | Left Tilt           | FCC #2                     | 0.007                       | MCS0                   | 99.1                                            | 0.013               | 1.005             | 1.009                                | 0.013                         |            |
| 6 665.0                                                           | 143 | 802.11ax (Ant.9)  | 10.00                                | 9.98                        | 0.000                  | Right Tilt          | FCC #2                     | 0.036                       | MCS0                   | 99.1                                            | 0.051               | 1.005             | 1.009                                | 0.052                         | A15        |
| 6 985.0                                                           | 207 | 802.11ax (Ant.9)  | 10.00                                | 9.86                        | 0.120                  | Right Touch         | FCC #2                     | 0.129                       | MCS0                   | 99.1                                            | 0.156               | 1.033             | 1.009                                | 0.163                         |            |
| 6 025.0                                                           | 15  | 802.11ax (MIMO)   | 13.01                                | 12.29                       | -0.120                 | Left Touch          | FCC #2                     | 0.068                       | MCS0                   | 98.1                                            | 0.080               | 1.265             | 1.019                                | 0.103                         | A16        |
| 6 345.0                                                           | 79  | 802.11ax (MIMO)   | 12.54                                | 12.45                       | 0.180                  | Left Touch          | FCC #2                     | 0.067                       | MCS0                   | 98.1                                            | 0.083               | 1.028             | 1.019                                | 0.087                         |            |
| 6 505.0                                                           | 111 | 802.11ax (MIMO)   | 12.54                                | 12.38                       | -0.130                 | Left Touch          | FCC #2                     | 0.043                       | MCS0                   | 98.1                                            | 0.062               | 1.047             | 1.019                                | 0.066                         | A17        |
| 6 665.0                                                           | 143 | 802.11ax (MIMO)   | 13.01                                | 12.81                       | 0.000                  | Left Touch          | FCC #2                     | 0.032                       | MCS0                   | 98.1                                            | 0.045               | 1.091             | 1.019                                | 0.050                         |            |
| 6 985.0                                                           | 207 | 802.11ax (MIMO)   | 13.01                                | 12.59                       | -0.060                 | Left Touch          | FCC #2                     | 0.016                       | MCS0                   | 98.1                                            | 0.024               | 1.183             | 1.019                                | 0.029                         | A18        |
| 6 665.0                                                           | 143 | 802.11ax (MIMO)   | 13.01                                | 12.81                       | 0.000                  | Right Touch         | FCC #2                     | 0.014                       | MCS0                   | 98.1                                            | 0.027               | 1.091             | 1.019                                | 0.030                         |            |
| 6 665.0                                                           | 143 | 802.11ax (MIMO)   | 13.01                                | 12.81                       | 0.000                  | Left Tilt           | FCC #2                     | 0.017                       | MCS0                   | 98.1                                            | 0.030               | 1.091             | 1.019                                | 0.033                         | A19        |
| 6 665.0                                                           | 143 | 802.11ax (MIMO)   | 13.01                                | 12.81                       | 0.000                  | Right Tilt          | FCC #2                     | 0.029                       | MCS0                   | 98.1                                            | 0.015               | 1.091             | 1.019                                | 0.017                         |            |
| 6 025.0                                                           | 15  | 802.11ax (MIMO)   | 13.01                                | 12.29                       | -0.110                 | Left Touch          | FCC #2                     | 0.047                       | MCS0                   | 98.1                                            | 0.065               | 1.265             | 1.019                                | 0.084                         |            |
| ANSI / IEEE C95.1-1992- SAFETY LIMIT                              |     |                   |                                      |                             |                        |                     |                            |                             |                        | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                     |                   |                                      |                               |            |
| Spatial Peak<br>Uncontrolled Exposure/General Population Exposure |     |                   |                                      |                             |                        |                     |                            |                             |                        |                                                 |                     |                   |                                      |                               |            |

Note: Blue entries represent Extended Battery measurements.

Table 10.1.5 UNII Head APD

| FREQUENCY |     | MEASUREMENT RESULTS |                             |                       |                  |                  |                      |                  |            |                   |                |                             |                          |         |
|-----------|-----|---------------------|-----------------------------|-----------------------|------------------|------------------|----------------------|------------------|------------|-------------------|----------------|-----------------------------|--------------------------|---------|
| MHz       | Ch  | Mode (Antenna)      | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Drift Power [dB] | Phantom Position | Device Serial Number | Data Rate [Mbps] | Duty Cycle | APD [W/m² (4cm²)] | Scaling Factor | Scaling Factor (Duty Cycle) | Scaled APD [W/m² (4cm²)] | Plots # |
| 6 025.0   | 15  | 802.11ax (Ant.8)    | 10.00                       | 9.56                  | 0.000            | Left Touch       | FCC #2               | MCS0             | 99.1       | 0.451             | 1.107          | 1.009                       | 0.504                    | A13     |
| 6 345.0   | 79  | 802.11ax (Ant.8)    | 9.00                        | 8.95                  | -0.090           | Left Touch       | FCC #2               | MCS0             | 99.1       | 0.529             | 1.012          | 1.009                       | 0.540                    |         |
| 6 505.0   | 111 | 802.11ax (Ant.8)    | 9.00                        | 8.80                  | -0.130           | Left Touch       | FCC #2               | MCS0             | 99.1       | 0.558             | 1.047          | 1.009                       | 0.590                    |         |
| 6 665.0   | 143 | 802.11ax (Ant.8)    | 10.00                       | 9.62                  | 0.000            | Left Touch       | FCC #2               | MCS0             | 99.1       | 0.400             | 1.091          | 1.009                       | 0.440                    |         |
| 6 985.0   | 207 | 802.11ax (Ant.8)    | 10.00                       | 9.27                  | 0.000            | Left Touch       | FCC #2               | MCS0             | 99.1       | 0.269             | 1.183          | 1.009                       | 0.321                    |         |
| 6 665.0   | 143 | 802.11ax (Ant.8)    | 10.00                       | 9.62                  | 0.000            | Right Touch      | FCC #2               | MCS0             | 99.1       | 0.134             | 1.091          | 1.009                       | 0.148                    |         |
| 6 665.0   | 143 | 802.11ax (Ant.8)    | 10.00                       | 9.62                  | 0.000            | Left Tilt        | FCC #2               | MCS0             | 99.1       | 0.285             | 1.091          | 1.009                       | 0.314                    |         |
| 6 665.0   | 143 | 802.11ax (Ant.8)    | 10.00                       | 9.62                  | 0.000            | Right Tilt       | FCC #2               | MCS0             | 99.1       | 0.163             | 1.091          | 1.009                       | 0.179                    |         |
| 6 505.0   | 111 | 802.11ax (Ant.8)    | 10.00                       | 8.80                  | 0.140            | Left Touch       | FCC #2               | MCS0             | 99.1       | 0.503             | 1.318          | 1.009                       | 0.669                    |         |
| 6 665.0   | 143 | 802.11ax (Ant.9)    | 10.00                       | 9.98                  | 0.000            | Left Touch       | FCC #2               | MCS0             | 99.1       | 0.316             | 1.005          | 1.009                       | 0.320                    |         |
| 6 025.0   | 15  | 802.11ax (Ant.9)    | 10.00                       | 8.98                  | 0.000            | Right Touch      | FCC #2               | MCS0             | 99.1       | 0.602             | 1.265          | 1.009                       | 0.768                    |         |
| 6 345.0   | 79  | 802.11ax (Ant.9)    | 10.00                       | 9.88                  | 0.000            | Right Touch      | FCC #2               | MCS0             | 99.1       | 0.361             | 1.028          | 1.009                       | 0.374                    |         |
| 6 505.0   | 111 | 802.11ax (Ant.9)    | 10.00                       | 9.87                  | 0.050            | Right Touch      | FCC #2               | MCS0             | 99.1       | 0.641             | 1.030          | 1.009                       | 0.666                    | A14     |
| 6 665.0   | 143 | 802.11ax (Ant.9)    | 10.00                       | 9.98                  | 0.140            | Right Touch      | FCC #2               | MCS0             | 99.1       | 0.650             | 1.005          | 1.009                       | 0.659                    |         |
| 6 985.0   | 207 | 802.11ax (Ant.9)    | 10.00                       | 9.86                  | 0.190            | Right Touch      | FCC #2               | MCS0             | 99.1       | 1.190             | 1.033          | 1.009                       | 1.240                    |         |
| 6 665.0   | 143 | 802.11ax (Ant.9)    | 10.00                       | 9.98                  | 0.000            | Left Tilt        | FCC #2               | MCS0             | 99.1       | 0.030             | 1.005          | 1.009                       | 0.030                    |         |
| 6 665.0   | 143 | 802.11ax (Ant.9)    | 10.00                       | 9.98                  | 0.000            | Right Tilt       | FCC #2               | MCS0             | 99.1       | 0.373             | 1.005          | 1.009                       | 0.378                    |         |
| 6 985.0   | 207 | 802.11ax (Ant.9)    | 10.00                       | 9.86                  | 0.120            | Left Touch       | FCC #2               | MCS0             | 99.1       | 1.190             | 1.033          | 1.009                       | 1.240                    |         |
| 6 025.0   | 15  | 802.11ax (MIMO)     | 13.01                       | 12.29                 | -0.120           | Left Touch       | FCC #2               | MCS0             | 98.1       | 0.608             | 1.265          | 1.019                       | 0.784                    |         |
| 6 345.0   | 79  | 802.11ax (MIMO)     | 12.54                       | 12.45                 | 0.180            | Left Touch       | FCC #2               | MCS0             | 98.1       | 0.651             | 1.028          | 1.019                       | 0.682                    |         |
| 6 505.0   | 111 | 802.11ax (MIMO)     | 12.54                       | 12.38                 | -0.130           | Left Touch       | FCC #2               | MCS0             | 98.1       | 0.498             | 1.047          | 1.019                       | 0.532                    | A15     |
| 6 665.0   | 143 | 802.11ax (MIMO)     | 13.01                       | 12.81                 | 0.000            | Left Touch       | FCC #2               | MCS0             | 98.1       | 0.399             | 1.091          | 1.019                       | 0.444                    |         |
| 6 985.0   | 207 | 802.11ax (MIMO)     | 13.01                       | 12.59                 | -0.060           | Left Touch       | FCC #2               | MCS0             | 98.1       | 0.252             | 1.183          | 1.019                       | 0.304                    |         |
| 6 665.0   | 143 | 802.11ax (MIMO)     | 13.01                       | 12.81                 | 0.000            | Right Touch      | FCC #2               | MCS0             | 98.1       | 0.218             | 1.091          | 1.019                       | 0.242                    |         |
| 6 665.0   | 143 | 802.11ax (MIMO)     | 13.01                       | 12.81                 | 0.000            | Left Tilt        | FCC #2               | MCS0             | 98.1       | 0.264             | 1.091          | 1.019                       | 0.294                    |         |
| 6 665.0   | 143 | 802.11ax (MIMO)     | 13.01                       | 12.81                 | 0.000            | Right Tilt       | FCC #2               | MCS0             | 98.1       | 0.164             | 1.091          | 1.019                       | 0.182                    |         |
| 6 345.0   | 15  | 802.11ax (MIMO)     | 13.01                       | 12.29                 | -0.110           | Left Touch       | FCC #2               | MCS0             | 98.1       | 0.508             | 1.265          | 1.019                       | 0.655                    |         |

Note(s):

1. Blue entries represent Extended Battery measurements.

2. APD (Absorbed Power Density) over 4 cm² averaging area is reported based on SAR measurements.

3. 10 W/m² = 1.0 mW/cm²

Table 10.1.6 Bluetooth/Bluetooth LE Head SAR

| FREQUENCY                                         |    | MEASUREMENT RESULTS |                             |                       |                  |                  |                      |                      |            |               |                |                             |                      |          |
|---------------------------------------------------|----|---------------------|-----------------------------|-----------------------|------------------|------------------|----------------------|----------------------|------------|---------------|----------------|-----------------------------|----------------------|----------|
| MHz                                               | Ch | Mode (Module)       | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Drift Power [dB] | Phantom Position | Device Serial Number | Data Rate [Mbps]     | Duty Cycle | 1g SAR (W/kg) | Scaling Factor | Scaling Factor (Duty Cycle) | 1g Scaled SAR (W/kg) | Plot s # |
| 2 441.0                                           | 39 | BT (Ant.8)          | 5.00                        | 4.90                  | 0.090            | Left Touch       | FCC #2               | 1                    | 76.8       | 0.053         | 1.023          | 1.302                       | 0.071                | A16      |
| 2 441.0                                           | 39 | BT (Ant.8)          | 5.00                        | 4.90                  | 0.080            | Right Touch      | FCC #2               | 1                    | 76.8       | 0.047         | 1.023          | 1.302                       | 0.063                |          |
| 2 441.0                                           | 39 | BT (Ant.8)          | 5.00                        | 4.90                  | -0.070           | Left Tilt        | FCC #2               | 1                    | 76.8       | 0.045         | 1.023          | 1.302                       | 0.060                |          |
| 2 441.0                                           | 39 | BT (Ant.8)          | 5.00                        | 4.90                  | 0.040            | Right Tilt       | FCC #2               | 1                    | 76.8       | 0.039         | 1.023          | 1.302                       | 0.052                |          |
| 2 441.0                                           | 39 | BT (Ant.8)          | 5.00                        | 4.90                  | -0.020           | Left Touch       | FCC #2               | 1                    | 76.8       | 0.051         | 1.023          | 1.302                       | 0.068                | A17      |
| 2 440.0                                           | 19 | BLE(Ant.8)          | 5.00                        | 4.90                  | -0.080           | Left Touch       | FCC #2               | 1                    | 85.2       | 0.055         | 1.023          | 1.174                       | 0.066                |          |
| 2 440.0                                           | 19 | BLE(Ant.8)          | 5.00                        | 4.90                  | 0.140            | Right Touch      | FCC #2               | 1                    | 85.2       | 0.047         | 1.023          | 1.174                       | 0.056                |          |
| 2 440.0                                           | 19 | BLE(Ant.8)          | 5.00                        | 4.90                  | -0.010           | Left Tilt        | FCC #2               | 1                    | 85.2       | 0.052         | 1.023          | 1.174                       | 0.062                |          |
| 2 440.0                                           | 19 | BLE(Ant.8)          | 5.00                        | 4.90                  | 0.070            | Right Tilt       | FCC #2               | 1                    | 85.2       | 0.036         | 1.023          | 1.174                       | 0.043                |          |
| 2 440.0                                           | 19 | BLE(Ant.8)          | 5.00                        | 4.90                  | 0.170            | Left Touch       | FCC #2               | 1                    | 85.2       | 0.054         | 1.023          | 1.174                       | 0.065                | A18      |
| 2 440.0                                           | 19 | BLE(Ant.12)         | -1.00                       | -1.21                 | 0.000            | Left Touch       | FCC #2               | 1                    | 85.3       | 0.002         | 1.050          | 1.172                       | 0.002                |          |
| 2 440.0                                           | 19 | BLE(Ant.12)         | -1.00                       | -1.21                 | 0.000            | Right Touch      | FCC #2               | 1                    | 85.3       | 0.000         | 1.050          | 1.172                       | 0.000                |          |
| 2 440.0                                           | 19 | BLE(Ant.12)         | -1.00                       | -1.21                 | 0.000            | Left Tilt        | FCC #2               | 1                    | 85.3       | 0.000         | 1.050          | 1.172                       | 0.000                |          |
| 2 440.0                                           | 19 | BLE(Ant.12)         | -1.00                       | -1.21                 | 0.000            | Right Tilt       | FCC #2               | 1                    | 85.3       | 0.000         | 1.050          | 1.172                       | 0.000                |          |
| 2 440.0                                           | 19 | BLE(Ant.12)         | -1.00                       | -1.21                 | 0.000            | Left Touch       | FCC #2               | 1                    | 85.3       | 0.000         | 1.050          | 1.172                       | 0.000                |          |
| ANSI / IEEE C95.1-1992- SAFETY LIMIT              |    |                     |                             |                       |                  |                  |                      | Head                 |            |               |                |                             |                      |          |
| Spatial Peak                                      |    |                     |                             |                       |                  |                  |                      | 1.6 W/kg (mW/g)      |            |               |                |                             |                      |          |
| Uncontrolled Exposure/General Population Exposure |    |                     |                             |                       |                  |                  |                      | averaged over 1 gram |            |               |                |                             |                      |          |

Note: Blue entries represent Extended Battery measurements.

## 10.2 Body-Worn SAR and APD (Absorbed Power Density) Results

Table 10.2.1 DTS Body-Worn SAR

| MEASUREMENT RESULTS                                                                                       |    |                 |                             |                       |                  |                  |                      |                       |                                                 |            |               |                |                             |            |          |
|-----------------------------------------------------------------------------------------------------------|----|-----------------|-----------------------------|-----------------------|------------------|------------------|----------------------|-----------------------|-------------------------------------------------|------------|---------------|----------------|-----------------------------|------------|----------|
| FREQUENCY                                                                                                 |    | Mode            | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Drift Power [dB] | Phantom Position | Device Serial Number | Peak SAR of Area Scan | Data Rate [Mbps]                                | Duty Cycle | 1g SAR (W/kg) | Scaling Factor | Scaling Factor (Duty Cycle) | SAR (W/kg) | Plots. # |
| MHz                                                                                                       | Ch |                 |                             |                       |                  |                  |                      |                       |                                                 |            |               |                |                             |            |          |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.8) | 15.50                       | 15.45                 | 0.010            | 15 mm [Front]    | FCC #2               | 0.062                 | 1                                               | 98.1       | 0.058         | 1.012          | 1.019                       | 0.060      | A19      |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.8) | 15.50                       | 15.45                 | 0.100            | 15 mm [Rear]     | FCC #2               | 0.061                 | 1                                               | 98.1       | 0.062         | 1.012          | 1.019                       | 0.064      |          |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.8) | 15.50                       | 15.45                 | 0.040            | 15 mm [Rear]     | FCC #2               | 0.044                 | 1                                               | 98.1       | 0.046         | 1.012          | 1.019                       | 0.047      |          |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.9) | 16.70                       | 16.66                 | -0.030           | 15 mm [Front]    | FCC #2               | 0.039                 | 1                                               | 98.1       | 0.038         | 1.009          | 1.019                       | 0.039      | A20      |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.9) | 16.70                       | 16.66                 | -0.040           | 15 mm [Rear]     | FCC #2               | 0.133                 | 1                                               | 98.1       | 0.130         | 1.009          | 1.019                       | 0.134      |          |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.9) | 16.70                       | 16.66                 | 0.070            | 15 mm [Rear]     | FCC #2               | 0.099                 | 1                                               | 98.1       | 0.099         | 1.009          | 1.019                       | 0.102      |          |
| 2 437.0                                                                                                   | 6  | 802.11ac (MIMO) | 17.71                       | 17.62                 | 0.010            | 15 mm [Front]    | FCC #2               | 0.059                 | MCS0                                            | 99.0       | 0.060         | 1.021          | 1.010                       | 0.062      | A21      |
| 2 437.0                                                                                                   | 6  | 802.11ac (MIMO) | 17.71                       | 17.62                 | 0.050            | 15 mm [Rear]     | FCC #2               | 0.131                 | MCS0                                            | 99.0       | 0.133         | 1.021          | 1.010                       | 0.137      |          |
| 2 437.0                                                                                                   | 6  | 802.11ac (MIMO) | 17.71                       | 17.62                 | 0.120            | 15 mm [Rear]     | FCC #2               | 0.110                 | MCS0                                            | 99.0       | 0.110         | 1.021          | 1.010                       | 0.113      |          |
| ANSI / IEEE C95.1-1992- SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population Exposure |    |                 |                             |                       |                  |                  |                      |                       | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |               |                |                             |            |          |

Note: Blue entries represent Extended Battery measurements.

| Adjusted SAR results for OFDM SAR                    |    |                 |         |                             |                      |                                                 |                  |         |                             |                       |                        |                    |   |
|------------------------------------------------------|----|-----------------|---------|-----------------------------|----------------------|-------------------------------------------------|------------------|---------|-----------------------------|-----------------------|------------------------|--------------------|---|
| FREQUENCY                                            |    | Mode/ Antenna   | Service | Maximum Allowed Power [dBm] | 1g Scaled SAR (W/kg) | FREQUENCY [MHz]                                 | Mode             | Service | Maximum Allowed Power [dBm] | Ratio of OFDM to DSSS | 1g Adjusted SAR (W/kg) | Determine OFDM SAR |   |
| MHz                                                  | Ch |                 |         |                             |                      |                                                 |                  |         |                             |                       |                        |                    |   |
| 2 437.0                                              | 6  | 802.11b (Ant.8) | DSSS    | 15.50                       | 0.064                | 2 437.0                                         | 802.11g          | OFDM    | 15.00                       | 0.891                 | 0.057                  |                    | X |
| 2 437.0                                              | 6  | 802.11b (Ant.8) | DSSS    | 15.50                       | 0.064                | 2 437.0                                         | 802.11n (HT20)   | OFDM    | 14.50                       | 0.794                 | 0.051                  |                    | X |
| 2 437.0                                              | 6  | 802.11b (Ant.8) | DSSS    | 15.50                       | 0.064                | 2 437.0                                         | 802.11ac (VHT20) | OFDM    | 14.50                       | 0.794                 | 0.051                  |                    | X |
| 2 437.0                                              | 6  | 802.11b (Ant.8) | DSSS    | 15.50                       | 0.064                | 2 437.0                                         | 802.11n (HT40)   | OFDM    | 14.50                       | 0.794                 | 0.051                  |                    | X |
| 2 437.0                                              | 6  | 802.11b (Ant.8) | DSSS    | 15.50                       | 0.064                | 2 437.0                                         | 802.11ac (VHT40) | OFDM    | 14.70                       | 0.832                 | 0.053                  |                    | X |
| 2 437.0                                              | 6  | 802.11b (Ant.8) | DSSS    | 15.50                       | 0.064                | 2 437.0                                         | 802.11ax (HE20)  | OFDM    | 12.50                       | 0.501                 | 0.032                  |                    | X |
| 2 437.0                                              | 6  | 802.11b (Ant.8) | DSSS    | 15.50                       | 0.064                | 2 437.0                                         | 802.11ax (HE40)  | OFDM    | 12.50                       | 0.501                 | 0.032                  |                    | X |
| 2 437.0                                              | 6  | 802.11b (Ant.9) | DSSS    | 16.70                       | 0.134                | 2 437.0                                         | 802.11g          | OFDM    | 16.50                       | 0.955                 | 0.128                  |                    | X |
| 2 437.0                                              | 6  | 802.11b (Ant.9) | DSSS    | 16.70                       | 0.134                | 2 437.0                                         | 802.11n (HT20)   | OFDM    | 14.50                       | 0.603                 | 0.081                  |                    | X |
| 2 437.0                                              | 6  | 802.11b (Ant.9) | DSSS    | 16.70                       | 0.134                | 2 437.0                                         | 802.11ac (VHT20) | OFDM    | 14.50                       | 0.603                 | 0.081                  |                    | X |
| 2 437.0                                              | 6  | 802.11b (Ant.9) | DSSS    | 16.70                       | 0.134                | 2 437.0                                         | 802.11n (HT40)   | OFDM    | 14.50                       | 0.603                 | 0.081                  |                    | X |
| 2 437.0                                              | 6  | 802.11b (Ant.9) | DSSS    | 16.70                       | 0.134                | 2 437.0                                         | 802.11ac (VHT40) | OFDM    | 14.70                       | 0.631                 | 0.085                  |                    | X |
| 2 437.0                                              | 6  | 802.11b (Ant.9) | DSSS    | 16.70                       | 0.134                | 2 437.0                                         | 802.11ax (HE20)  | OFDM    | 14.00                       | 0.537                 | 0.072                  |                    | X |
| 2 437.0                                              | 6  | 802.11b (Ant.9) | DSSS    | 16.70                       | 0.134                | 2 437.0                                         | 802.11ax (HE40)  | OFDM    | 14.00                       | 0.537                 | 0.072                  |                    | X |
| 2 437.0                                              | 6  | 802.11ac (MIMO) | OFDM    | 17.71                       | 0.137                | 2 437.0                                         | 802.11n (HT20)   | OFDM    | 17.51                       | 0.955                 | 0.131                  |                    | X |
| 2 437.0                                              | 6  | 802.11ac (MIMO) | OFDM    | 17.71                       | 0.137                | 2 437.0                                         | 802.11ac (VHT20) | OFDM    | 17.51                       | 0.955                 | 0.131                  |                    | X |
| 2 437.0                                              | 6  | 802.11ac (MIMO) | OFDM    | 17.71                       | 0.137                | 2 437.0                                         | 802.11n (HT40)   | OFDM    | 17.51                       | 0.955                 | 0.131                  |                    | X |
| 2 437.0                                              | 6  | 802.11ac (MIMO) | OFDM    | 17.71                       | 0.137                | 2 437.0                                         | 802.11ax (HE20)  | OFDM    | 16.32                       | 0.726                 | 0.099                  |                    | X |
| 2 437.0                                              | 6  | 802.11ac (MIMO) | OFDM    | 17.71                       | 0.137                | 2 437.0                                         | 802.11ax (HE40)  | OFDM    | 16.32                       | 0.726                 | 0.099                  |                    | X |
| ANSI / IEEE C95.1-1992- SAFETY LIMIT<br>Spatial Peak |    |                 |         |                             |                      | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                  |         |                             |                       |                        |                    |   |
| Uncontrolled Exposure/General Population Exposure    |    |                 |         |                             |                      |                                                 |                  |         |                             |                       |                        |                    |   |

Note: SAR is not required for the following 2.4 GHz OFDM conditions. 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  $\leq 1.2$  W/kg.

Table 10.2.2 UNII Body-Worn SAR

| MEASUREMENT RESULTS                                                                                       |    |                 |                             |                       |                  |                  |                      |                       |                                                 |            |               |                |                             |                      |         |
|-----------------------------------------------------------------------------------------------------------|----|-----------------|-----------------------------|-----------------------|------------------|------------------|----------------------|-----------------------|-------------------------------------------------|------------|---------------|----------------|-----------------------------|----------------------|---------|
| FREQUENCY                                                                                                 |    | Mode            | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Drift Power [dB] | Phantom Position | Device Serial Number | Peak SAR of Area Scan | Data Rate [Mbps]                                | Duty Cycle | 1g SAR (W/kg) | Scaling Factor | Scaling Factor (Duty Cycle) | 1g Scaled SAR (W/kg) | Plots # |
| MHz                                                                                                       | Ch |                 |                             |                       |                  |                  |                      |                       |                                                 |            |               |                |                             |                      |         |
| 5 270.0                                                                                                   | 54 | 802.11n (Ant.8) | 14.50                       | 14.46                 | -0.013           | 15 mm [Front]    | FCC #2               | 0.148                 | MCS0                                            | 99.2       | 0.136         | 1.009          | 1.008                       | 0.138                | A22     |
| 5 270.0                                                                                                   | 54 | 802.11n (Ant.8) | 14.50                       | 14.46                 | -0.160           | 15 mm [Rear]     | FCC #2               | 0.195                 | MCS0                                            | 99.2       | 0.202         | 1.009          | 1.008                       | 0.205                |         |
| 5 270.0                                                                                                   | 54 | 802.11n (Ant.8) | 14.50                       | 14.46                 | -0.020           | 15 mm [Rear]     | FCC #2               | 0.162                 | MCS0                                            | 99.2       | 0.182         | 1.009          | 1.008                       | 0.185                |         |
| 5 270.0                                                                                                   | 54 | 802.11n (Ant.9) | 14.50                       | 14.43                 | 0.090            | 15 mm [Front]    | FCC #2               | 0.010                 | MCS0                                            | 99.2       | 0.006         | 1.016          | 1.008                       | 0.006                | A23     |
| 5 270.0                                                                                                   | 54 | 802.11n (Ant.9) | 14.50                       | 14.43                 | -0.110           | 15 mm [Rear]     | FCC #2               | 0.130                 | MCS0                                            | 99.2       | 0.139         | 1.016          | 1.008                       | 0.142                |         |
| 5 270.0                                                                                                   | 54 | 802.11n (Ant.9) | 14.50                       | 14.43                 | -0.110           | 15 mm [Rear]     | FCC #2               | 0.129                 | MCS0                                            | 99.2       | 0.121         | 1.016          | 1.008                       | 0.124                |         |
| 5 270.0                                                                                                   | 54 | 802.11n (MIMO)  | 17.51                       | 17.46                 | -0.120           | 15 mm [Front]    | FCC #2               | 0.140                 | MCS0                                            | 99.2       | 0.124         | 1.016          | 1.008                       | 0.127                | A24     |
| 5 270.0                                                                                                   | 54 | 802.11n (MIMO)  | 17.51                       | 17.46                 | -0.140           | 15 mm [Rear]     | FCC #2               | 0.182                 | MCS0                                            | 99.2       | 0.188         | 1.016          | 1.008                       | 0.193                |         |
| 5 270.0                                                                                                   | 54 | 802.11n (MIMO)  | 17.51                       | 17.46                 | -0.150           | 15 mm [Rear]     | FCC #2               | 0.157                 | MCS0                                            | 99.2       | 0.176         | 1.016          | 1.008                       | 0.180                |         |
| ANSI / IEEE C95.1-2005- SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population Exposure |    |                 |                             |                       |                  |                  |                      |                       | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |               |                |                             |                      |         |
| Note: Blue entries represent Extended Battery measurements.                                               |    |                 |                             |                       |                  |                  |                      |                       |                                                 |            |               |                |                             |                      |         |

Note: Blue entries represent Extended Battery measurements.

| Adjusted SAR results for UNII-1 and UNII-2A SAR                                                           |    |                 |         |                             |                      |                                                 |         |         |                             |                 |                        |                                                  |
|-----------------------------------------------------------------------------------------------------------|----|-----------------|---------|-----------------------------|----------------------|-------------------------------------------------|---------|---------|-----------------------------|-----------------|------------------------|--------------------------------------------------|
| FREQUENCY                                                                                                 |    | Mode/ Antenna   | Service | Maximum Allowed Power [dBm] | 1g Scaled SAR (W/kg) | FREQUENCY [MHz]                                 | Mode    | Service | Maximum Allowed Power [dBm] | Adjusted Factor | 1g Adjusted SAR (W/kg) | SAR for the band with lower maximum output power |
| MHz                                                                                                       | Ch |                 |         |                             |                      |                                                 |         |         |                             |                 |                        |                                                  |
| 5 270.0                                                                                                   | 54 | 802.11n (Ant.8) | OFDM    | 14.50                       | 0.205                | 5 240.0                                         | 802.11n | OFDM    | 14.50                       | 1.000           | 0.205                  | X                                                |
| 5 270.0                                                                                                   | 54 | 802.11n (Ant.9) | OFDM    | 14.50                       | 0.142                | 5 220.0                                         | 802.11n | OFDM    | 14.50                       | 1.000           | 0.142                  | X                                                |
| 5 270.0                                                                                                   | 54 | 802.11n (MIMO)  | OFDM    | 17.51                       | 0.193                | 5 220.0                                         | 802.11n | OFDM    | 17.51                       | 1.000           | 0.193                  | X                                                |
| ANSI / IEEE C95.1-1992- SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population Exposure |    |                 |         |                             |                      | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |         |         |                             |                 |                        |                                                  |

Note: U-NII-1 and U-NII-2A Bands: When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested configuration is adjusted by the ratio of lower to higher specified maximum output power for the two bands. When the adjusted SAR is  $\leq 1.2$  W/kg, SAR is not required for the band with lower maximum output power in that test configuration.

Table 10.2.3 UNII Body-Worn SAR

| MEASUREMENT RESULTS                                                                                       |     |                 |                             |                       |                  |                  |                      |                       |                                                  |            |               |                |                             |                      |         |
|-----------------------------------------------------------------------------------------------------------|-----|-----------------|-----------------------------|-----------------------|------------------|------------------|----------------------|-----------------------|--------------------------------------------------|------------|---------------|----------------|-----------------------------|----------------------|---------|
| FREQUENCY                                                                                                 |     | Mode            | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Drift Power [dB] | Phantom Position | Device Serial Number | Peak SAR of Area Scan | Data Rate [Mbps]                                 | Duty Cycle | 1g SAR (W/kg) | Scaling Factor | Scaling Factor (Duty Cycle) | 1g Scaled SAR (W/kg) | Plots # |
| MHz                                                                                                       | Ch  |                 |                             |                       |                  |                  |                      |                       |                                                  |            |               |                |                             |                      |         |
| 5 510.0                                                                                                   | 102 | 802.11n (Ant.8) | 14.00                       | 13.90                 | -0.190           | 15 mm [Front]    | FCC #2               | 0.194                 | MCS0                                             | 99.2       | 0.181         | 1.023          | 1.008                       | 0.187                | A25     |
| 5 510.0                                                                                                   | 102 | 802.11n (Ant.8) | 14.00                       | 13.90                 | -0.070           | 15 mm [Rear]     | FCC #2               | 0.174                 | MCS0                                             | 99.2       | 0.193         | 1.023          | 1.008                       | 0.199                |         |
| 5 510.0                                                                                                   | 102 | 802.11n (Ant.8) | 14.00                       | 13.90                 | -0.140           | 15 mm [Rear]     | FCC #2               | 0.148                 | MCS0                                             | 99.2       | 0.167         | 1.023          | 1.008                       | 0.172                |         |
| 5 510.0                                                                                                   | 102 | 802.11n (Ant.9) | 14.00                       | 13.89                 | -0.080           | 15 mm [Front]    | FCC #2               | 0.045                 | MCS0                                             | 99.2       | 0.029         | 1.026          | 1.008                       | 0.030                | A26     |
| 5 500.0                                                                                                   | 100 | 802.11n (Ant.9) | 14.00                       | 13.89                 | 0.050            | 15 mm [Rear]     | FCC #2               | 0.164                 | MCS0                                             | 99.2       | 0.177         | 1.026          | 1.008                       | 0.183                |         |
| 5 510.0                                                                                                   | 102 | 802.11n (Ant.9) | 14.00                       | 13.89                 | 0.030            | 15 mm [Rear]     | FCC #2               | 0.164                 | MCS0                                             | 99.2       | 0.166         | 1.026          | 1.008                       | 0.172                |         |
| 5 510.0                                                                                                   | 102 | 802.11n (MIMO)  | 17.01                       | 16.91                 | -0.080           | 15 mm [Front]    | FCC #2               | 0.160                 | MCS0                                             | 99.2       | 0.174         | 1.026          | 1.008                       | 0.180                | A27     |
| 5 510.0                                                                                                   | 102 | 802.11n (MIMO)  | 17.01                       | 16.91                 | -0.130           | 15 mm [Rear]     | FCC #2               | 0.200                 | MCS0                                             | 99.2       | 0.216         | 1.026          | 1.008                       | 0.223                |         |
| 5 510.0                                                                                                   | 102 | 802.11n (MIMO)  | 17.01                       | 16.91                 | -0.180           | 15 mm [Rear]     | FCC #2               | 0.175                 | MCS0                                             | 99.2       | 0.190         | 1.026          | 1.008                       | 0.197                |         |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.8) | 14.00                       | 13.93                 | -0.060           | 15 mm [Front]    | FCC #2               | 0.185                 | MCS0                                             | 99.2       | 0.191         | 1.016          | 1.008                       | 0.196                | A28     |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.8) | 14.00                       | 13.93                 | -0.130           | 15 mm [Rear]     | FCC #2               | 0.182                 | MCS0                                             | 99.2       | 0.202         | 1.016          | 1.008                       | 0.207                |         |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.8) | 14.00                       | 13.93                 | -0.160           | 15 mm [Rear]     | FCC #2               | 0.149                 | MCS0                                             | 99.2       | 0.168         | 1.016          | 1.008                       | 0.172                |         |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.9) | 14.00                       | 13.31                 | -0.050           | 15 mm [Front]    | FCC #2               | 0.052                 | MCS0                                             | 99.2       | 0.028         | 1.172          | 1.008                       | 0.033                | A29     |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.9) | 14.00                       | 13.31                 | -0.100           | 15 mm [Rear]     | FCC #2               | 0.173                 | MCS0                                             | 99.2       | 0.187         | 1.172          | 1.008                       | 0.221                |         |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.9) | 14.00                       | 13.31                 | 0.100            | 15 mm [Rear]     | FCC #2               | 0.169                 | MCS0                                             | 99.2       | 0.178         | 1.172          | 1.008                       | 0.210                |         |
| 5 755.0                                                                                                   | 151 | 802.11n (MIMO)  | 17.01                       | 16.64                 | 0.020            | 15 mm [Front]    | FCC #2               | 0.175                 | MCS0                                             | 99.2       | 0.172         | 1.172          | 1.008                       | 0.203                | A30     |
| 5 755.0                                                                                                   | 151 | 802.11n (MIMO)  | 17.01                       | 16.64                 | -0.190           | 15 mm [Rear]     | FCC #2               | 0.201                 | MCS0                                             | 99.2       | 0.217         | 1.172          | 1.008                       | 0.256                |         |
| 5 755.0                                                                                                   | 151 | 802.11n (MIMO)  | 17.01                       | 16.64                 | -0.170           | 15 mm [Rear]     | FCC #2               | 0.176                 | MCS0                                             | 99.2       | 0.199         | 1.172          | 1.008                       | 0.235                |         |
| ANSI / IEEE C95.1-1992- SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population Exposure |     |                 |                             |                       |                  |                  |                      |                       | Body<br>1.6 W/kg (mW/kg)<br>averaged over 1 gram |            |               |                |                             |                      |         |

Note: Blue entries represent Extended Battery measurements.

Table 10.2.4 UNII Body-Worn SAR

| MEASUREMENT RESULTS                                                                                       |     |                   |                                   |                             |                        |                     |                            |                          |                                                  |               |                     |                   |                                      |                               |            |
|-----------------------------------------------------------------------------------------------------------|-----|-------------------|-----------------------------------|-----------------------------|------------------------|---------------------|----------------------------|--------------------------|--------------------------------------------------|---------------|---------------------|-------------------|--------------------------------------|-------------------------------|------------|
| FREQUENCY                                                                                                 |     | Mode<br>(Antenna) | Maximum<br>Allowed Power<br>[dBm] | Conducted<br>Power<br>[dBm] | Drift<br>Power<br>[dB] | Phantom<br>Position | Device<br>Serial<br>Number | Peak SAR of<br>Area Scan | Data<br>Rate<br>[Mbps]                           | Duty<br>Cycle | 1g<br>SAR<br>(W/kg) | Scaling<br>Factor | Scaling<br>Factor<br>(Duty<br>Cycle) | 1g<br>Scaled<br>SAR<br>(W/kg) | Plots<br># |
| MHz                                                                                                       | Ch  |                   |                                   |                             |                        |                     |                            |                          |                                                  |               |                     |                   |                                      |                               |            |
| 6 025.0                                                                                                   | 15  | 802.11ax (Ant.8)  | 10.00                             | 9.56                        | 0.130                  | 15 mm [Front]       | FCC #2                     | 0.055                    | MCS0                                             | 99.1          | 0.059               | 1.107             | 1.009                                | 0.066                         | A31        |
| 6 345.0                                                                                                   | 79  | 802.11ax (Ant.8)  | 9.00                              | 8.95                        | -0.080                 | 15 mm [Front]       | FCC #2                     | 0.045                    | MCS0                                             | 99.1          | 0.054               | 1.012             | 1.009                                | 0.055                         |            |
| 6 505.0                                                                                                   | 111 | 802.11ax (Ant.8)  | 9.00                              | 8.80                        | -0.190                 | 15 mm [Front]       | FCC #2                     | 0.041                    | MCS0                                             | 99.1          | 0.045               | 1.047             | 1.009                                | 0.048                         |            |
| 6 665.0                                                                                                   | 143 | 802.11ax (Ant.8)  | 10.00                             | 9.62                        | 0.000                  | 15 mm [Front]       | FCC #2                     | 0.025                    | MCS0                                             | 99.1          | 0.039               | 1.091             | 1.009                                | 0.043                         |            |
| 6 985.0                                                                                                   | 207 | 802.11ax (Ant.8)  | 10.00                             | 9.27                        | 0.000                  | 15 mm [Front]       | FCC #2                     | 0.012                    | MCS0                                             | 99.1          | 0.019               | 1.183             | 1.009                                | 0.023                         |            |
| 6 665.0                                                                                                   | 143 | 802.11ax (Ant.8)  | 10.00                             | 9.62                        | 0.000                  | 15 mm [Rear]        | FCC #2                     | 0.017                    | MCS0                                             | 99.1          | 0.028               | 1.091             | 1.009                                | 0.031                         |            |
| 6 025.0                                                                                                   | 15  | 802.11ax (Ant.8)  | 10.00                             | 9.56                        | -0.180                 | 15 mm [Front]       | FCC #2                     | 0.047                    | MCS0                                             | 99.1          | 0.050               | 1.107             | 1.009                                | 0.056                         | A32        |
| 6 665.0                                                                                                   | 143 | 802.11ax (Ant.9)  | 10.00                             | 9.98                        | 0.000                  | 15 mm [Front]       | FCC #2                     | 0.012                    | MCS0                                             | 99.1          | 0.017               | 1.005             | 1.009                                | 0.017                         |            |
| 6 025.0                                                                                                   | 15  | 802.11ax (Ant.9)  | 10.00                             | 9.98                        | 0.070                  | 15 mm [Rear]        | FCC #2                     | 0.056                    | MCS0                                             | 99.1          | 0.072               | 1.265             | 1.009                                | 0.092                         |            |
| 6 345.0                                                                                                   | 79  | 802.11ax (Ant.9)  | 10.00                             | 9.88                        | 0.000                  | 15 mm [Rear]        | FCC #2                     | 0.013                    | MCS0                                             | 99.1          | 0.022               | 1.028             | 1.009                                | 0.023                         |            |
| 6 505.0                                                                                                   | 111 | 802.11ax (Ant.9)  | 10.00                             | 9.87                        | 0.000                  | 15 mm [Rear]        | FCC #2                     | 0.034                    | MCS0                                             | 99.1          | 0.048               | 1.030             | 1.009                                | 0.050                         |            |
| 6 665.0                                                                                                   | 143 | 802.11ax (Ant.9)  | 10.00                             | 9.98                        | 0.000                  | 15 mm [Rear]        | FCC #2                     | 0.042                    | MCS0                                             | 99.1          | 0.057               | 1.005             | 1.009                                | 0.058                         |            |
| 6 985.0                                                                                                   | 207 | 802.11ax (Ant.9)  | 10.00                             | 9.86                        | 0.130                  | 15 mm [Rear]        | FCC #2                     | 0.080                    | MCS0                                             | 99.1          | 0.086               | 1.033             | 1.009                                | 0.090                         |            |
| 6 345.0                                                                                                   | 15  | 802.11ax (Ant.9)  | 10.00                             | 9.86                        | -0.030                 | 15 mm [Rear]        | FCC #2                     | 0.043                    | MCS0                                             | 99.1          | 0.055               | 1.033             | 1.009                                | 0.057                         |            |
| 6 665.0                                                                                                   | 143 | 802.11ax (MIMO)   | 13.01                             | 12.81                       | 0.000                  | 15 mm [Front]       | FCC #2                     | 0.023                    | MCS0                                             | 98.1          | 0.032               | 1.091             | 1.019                                | 0.036                         |            |
| 6 025.0                                                                                                   | 15  | 802.11ax (MIMO)   | 13.01                             | 12.29                       | 0.070                  | 15 mm [Rear]        | FCC #2                     | 0.065                    | MCS0                                             | 98.1          | 0.078               | 1.265             | 1.019                                | 0.101                         | A33        |
| 6 345.0                                                                                                   | 79  | 802.11ax (MIMO)   | 12.54                             | 12.45                       | -0.180                 | 15 mm [Rear]        | FCC #2                     | 0.043                    | MCS0                                             | 98.1          | 0.052               | 1.028             | 1.019                                | 0.054                         |            |
| 6 505.0                                                                                                   | 111 | 802.11ax (MIMO)   | 12.54                             | 12.38                       | 0.120                  | 15 mm [Rear]        | FCC #2                     | 0.037                    | MCS0                                             | 98.1          | 0.043               | 1.047             | 1.019                                | 0.046                         |            |
| 6 665.0                                                                                                   | 143 | 802.11ax (MIMO)   | 13.01                             | 12.81                       | 0.130                  | 15 mm [Rear]        | FCC #2                     | 0.036                    | MCS0                                             | 98.1          | 0.054               | 1.091             | 1.019                                | 0.060                         |            |
| 6 985.0                                                                                                   | 207 | 802.11ax (MIMO)   | 13.01                             | 12.59                       | 0.030                  | 15 mm [Rear]        | FCC #2                     | 0.066                    | MCS0                                             | 98.1          | 0.074               | 1.183             | 1.019                                | 0.089                         |            |
| 6 345.0                                                                                                   | 15  | 802.11ax (MIMO)   | 13.01                             | 12.29                       | -0.120                 | 15 mm [Rear]        | FCC #2                     | 0.048                    | MCS0                                             | 99.1          | 0.062               | 1.265             | 1.009                                | 0.079                         |            |
| ANSI / IEEE C95.1-2005- SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population Exposure |     |                   |                                   |                             |                        |                     |                            |                          | Body<br>1.6 W/kg (mW/kg)<br>averaged over 1 gram |               |                     |                   |                                      |                               |            |

Note: Blue entries represent Extended Battery measurements.

Table 10.2.5 UNII Body-Worn APD

| MEASUREMENT RESULTS |     |                   |                                   |                          |                     |                     |                         |                        |               |                         |                   |                                   |                                |            |
|---------------------|-----|-------------------|-----------------------------------|--------------------------|---------------------|---------------------|-------------------------|------------------------|---------------|-------------------------|-------------------|-----------------------------------|--------------------------------|------------|
| FREQUENCY           |     | Mode<br>(Antenna) | Maximum<br>Allowed Power<br>[dBm] | Conducted Power<br>[dBm] | Drift Power<br>[dB] | Phantom<br>Position | Device Serial<br>Number | Data<br>Rate<br>[Mbps] | Duty<br>Cycle | APD<br>[W/m²<br>(4cm²)] | Scaling<br>Factor | Scaling Factor<br>(Duty<br>Cycle) | Scaled APD<br>[W/m²<br>(4cm²)] | Plots<br># |
| MHz                 | Ch  |                   |                                   |                          |                     |                     |                         |                        |               |                         |                   |                                   |                                |            |
| 6 025.0             | 15  | 802.11ax (Ant.8)  | 10.00                             | 9.56                     | 0.130               | 15 mm [Front]       | FCC #2                  | MCS0                   | 99.1          | 0.521                   | 1.107             | 1.009                             | 0.582                          | A31        |
| 6 345.0             | 79  | 802.11ax (Ant.8)  | 9.00                              | 8.95                     | -0.080              | 15 mm [Front]       | FCC #2                  | MCS0                   | 99.1          | 0.488                   | 1.012             | 1.009                             | 0.498                          |            |
| 6 505.0             | 111 | 802.11ax (Ant.8)  | 9.00                              | 8.80                     | -0.190              | 15 mm [Front]       | FCC #2                  | MCS0                   | 99.1          | 0.394                   | 1.047             | 1.009                             | 0.416                          |            |
| 6 665.0             | 143 | 802.11ax (Ant.8)  | 10.00                             | 9.62                     | 0.000               | 15 mm [Front]       | FCC #2                  | MCS0                   | 99.1          | 0.383                   | 1.091             | 1.009                             | 0.422                          |            |
| 6 985.0             | 207 | 802.11ax (Ant.8)  | 10.00                             | 9.27                     | 0.000               | 15 mm [Front]       | FCC #2                  | MCS0                   | 99.1          | 0.159                   | 1.183             | 1.009                             | 0.190                          |            |
| 6 665.0             | 143 | 802.11ax (Ant.8)  | 10.00                             | 9.62                     | 0.000               | 15 mm [Rear]        | FCC #2                  | MCS0                   | 99.1          | 0.250                   | 1.091             | 1.009                             | 0.275                          |            |
| 6 505.0             | 15  | 802.11ax (Ant.8)  | 10.00                             | 9.56                     | -0.180              | 15 mm [Front]       | FCC #2                  | MCS0                   | 98.1          | 0.445                   | 1.107             | 1.019                             | 0.502                          |            |
| 6 665.0             | 143 | 802.11ax (Ant.9)  | 10.00                             | 9.98                     | 0.000               | 15 mm [Front]       | FCC #2                  | MCS0                   | 99.1          | 0.138                   | 1.005             | 1.009                             | 0.140                          |            |
| 6 025.0             | 15  | 802.11ax (Ant.9)  | 10.00                             | 8.98                     | 0.070               | 15 mm [Rear]        | FCC #2                  | MCS0                   | 99.1          | 0.626                   | 1.265             | 1.009                             | 0.799                          |            |
| 6 345.0             | 79  | 802.11ax (Ant.9)  | 10.00                             | 9.88                     | 0.000               | 15 mm [Rear]        | FCC #2                  | MCS0                   | 99.1          | 0.192                   | 1.028             | 1.009                             | 0.199                          | A32        |
| 6 505.0             | 111 | 802.11ax (Ant.9)  | 10.00                             | 9.87                     | 0.000               | 15 mm [Rear]        | FCC #2                  | MCS0                   | 99.1          | 0.421                   | 1.030             | 1.009                             | 0.438                          |            |
| 6 665.0             | 143 | 802.11ax (Ant.9)  | 10.00                             | 9.98                     | 0.000               | 15 mm [Rear]        | FCC #2                  | MCS0                   | 99.1          | 0.445                   | 1.005             | 1.009                             | 0.451                          |            |
| 6 985.0             | 207 | 802.11ax (Ant.9)  | 10.00                             | 9.86                     | 0.130               | 15 mm [Rear]        | FCC #2                  | MCS0                   | 99.1          | 0.730                   | 1.033             | 1.009                             | 0.761                          |            |
| 6 345.0             | 15  | 802.11ax (Ant.9)  | 10.00                             | 8.98                     | -0.030              | 15 mm [Rear]        | FCC #2                  | MCS0                   | 99.1          | 0.486                   | 1.265             | 1.009                             | 0.620                          |            |
| 6 665.0             | 143 | 802.11ax (MIMO)   | 13.01                             | 12.81                    | 0.000               | 15 mm [Front]       | FCC #2                  | MCS0                   | 98.1          | 0.279                   | 1.091             | 1.019                             | 0.310                          |            |
| 6 025.0             | 15  | 802.11ax (MIMO)   | 13.01                             | 12.29                    | 0.070               | 15 mm [Rear]        | FCC #2                  | MCS0                   | 98.1          | 0.742                   | 1.265             | 1.019                             | 0.957                          | A33        |
| 6 345.0             | 79  | 802.11ax (MIMO)   | 12.54                             | 12.45                    | -0.180              | 15 mm [Rear]        | FCC #2                  | MCS0                   | 98.1          | 0.455                   | 1.028             | 1.019                             | 0.477                          |            |
| 6 505.0             | 111 | 802.11ax (MIMO)   | 12.54                             | 12.38                    | 0.120               | 15 mm [Rear]        | FCC #2                  | MCS0                   | 98.1          | 0.403                   | 1.047             | 1.019                             | 0.430                          |            |
| 6 665.0             | 143 | 802.11ax (MIMO)   | 13.01                             | 12.81                    | 0.130               | 15 mm [Rear]        | FCC #2                  | MCS0                   | 98.1          | 0.434                   | 1.091             | 1.019                             | 0.483                          |            |
| 6 985.0             | 207 | 802.11ax (MIMO)   | 13.01                             | 12.59                    | 0.030               | 15 mm [Rear]        | FCC #2                  | MCS0                   | 98.1          | 0.636                   | 1.183             | 1.019                             | 0.767                          |            |
| 6 345.0             | 15  | 802.11ax (MIMO)   | 13.01                             | 12.29                    | -0.120              | 15 mm [Rear]        | FCC #2                  | MCS0                   | 99.1          | 0.552                   | 1.265             | 1.009                             | 0.705                          |            |

Note(s):

1. Blue entries represent Extended Battery measurements.

2. APD (Absorbed Power Density) over 4 cm² averaging area is reported based on SAR measurements.

3. 10 W/m² = 1.0 mW/cm²

Table 10.2.6 Bluetooth/Bluetooth LE Body-Worn SAR

| MEASUREMENT RESULTS                                                                                       |    |                  |                                      |                             |                        |                     |                            |                        |                                                 |                     |                   |                                      |                               |                |
|-----------------------------------------------------------------------------------------------------------|----|------------------|--------------------------------------|-----------------------------|------------------------|---------------------|----------------------------|------------------------|-------------------------------------------------|---------------------|-------------------|--------------------------------------|-------------------------------|----------------|
| FREQUENCY                                                                                                 |    | Mode<br>(Module) | Maximum<br>Allowed<br>Power<br>[dBm] | Conducted<br>Power<br>[dBm] | Drift<br>Power<br>[dB] | Phantom<br>Position | Device<br>Serial<br>Number | Data<br>Rate<br>[Mbps] | Duty<br>Cycle                                   | 1g<br>SAR<br>(W/kg) | Scaling<br>Factor | Scaling<br>Factor<br>(Duty<br>Cycle) | 1g<br>Scaled<br>SAR<br>(W/kg) | Plot<br>s<br># |
| MHz                                                                                                       | Ch |                  |                                      |                             |                        |                     |                            |                        |                                                 |                     |                   |                                      |                               |                |
| 2 441.0                                                                                                   | 39 | BT (Ant.8)       | 5.00                                 | 4.90                        | 0.170                  | 15 mm [Front]       | FCC #2                     | 1                      | 76.8                                            | 0.007               | 1.023             | 1.302                                | 0.009                         | A34            |
| 2 441.0                                                                                                   | 39 | BT (Ant.8)       | 5.00                                 | 4.90                        | -0.070                 | 15 mm [Rear]        | FCC #2                     | 1                      | 76.8                                            | 0.009               | 1.023             | 1.302                                | 0.012                         |                |
| 2441.0                                                                                                    | 39 | BT (Ant.8)       | 5.00                                 | 4.90                        | -0.110                 | 15 mm [Rear]        | FCC #2                     | 1                      | 76.8                                            | 0.007               | 1.023             | 1.302                                | 0.009                         |                |
| 2 440.0                                                                                                   | 19 | BLE(Ant.8)       | 5.00                                 | 4.90                        | -0.170                 | 15 mm [Front]       | FCC #2                     | 1                      | 85.2                                            | 0.005               | 1.023             | 1.174                                | 0.006                         | A35            |
| 2 440.0                                                                                                   | 19 | BLE(Ant.8)       | 5.00                                 | 4.90                        | 0.010                  | 15 mm [Rear]        | FCC #2                     | 1                      | 85.2                                            | 0.010               | 1.023             | 1.174                                | 0.012                         |                |
| 2 440.0                                                                                                   | 19 | BLE(Ant.8)       | 5.00                                 | 4.90                        | 0.160                  | 15 mm [Rear]        | FCC #2                     | 1                      | 85.2                                            | 0.007               | 1.023             | 1.174                                | 0.008                         |                |
| 2 440.0                                                                                                   | 19 | BLE(Ant.12)      | -1.00                                | -1.21                       | 0.000                  | 15 mm [Front]       | FCC #2                     | 1                      | 85.3                                            | 0.000               | 1.050             | 1.172                                | 0.000                         | A36            |
| 2 440.0                                                                                                   | 19 | BLE(Ant.12)      | -1.00                                | -1.21                       | 0.060                  | 15 mm [Rear]        | FCC #2                     | 1                      | 85.3                                            | 0.002               | 1.050             | 1.172                                | 0.003                         |                |
| 2 440.0                                                                                                   | 19 | BLE(Ant.12)      | -1.00                                | -1.21                       | -0.170                 | 15 mm [Rear]        | FCC #2                     | 1                      | 85.3                                            | 0.001               | 1.050             | 1.172                                | 0.001                         |                |
| ANSI / IEEE C95.1-1992- SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population Exposure |    |                  |                                      |                             |                        |                     |                            |                        | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                     |                   |                                      |                               |                |

Note: Blue entries represent Extended Battery measurements.

## 10.3 Hotspot SAR Results

Table 10.3.1 DTS Hotspot SAR

| MEASUREMENT RESULTS                               |    |                 |                             |                       |                  |                  |                      |                                         |                  |            |               |                |                             |            |         |
|---------------------------------------------------|----|-----------------|-----------------------------|-----------------------|------------------|------------------|----------------------|-----------------------------------------|------------------|------------|---------------|----------------|-----------------------------|------------|---------|
| FREQUENCY                                         |    | Mode            | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Drift Power [dB] | Phantom Position | Device Serial Number | Peak SAR of Area Scan                   | Data Rate [Mbps] | Duty Cycle | 1g SAR [W/kg] | Scaling Factor | Scaling Factor (Duty Cycle) | SAR [W/kg] | Plots # |
| MHz                                               | Ch |                 |                             |                       |                  |                  |                      |                                         |                  |            |               |                |                             |            |         |
| 2 437.0                                           | 6  | 802.11b (Ant.8) | 15.50                       | 15.45                 | -0.110           | 10 mm [Top]      | FCC #2               | 0.092                                   | 1                | 98.1       | 0.094         | 1.012          | 1.019                       | 0.097      | A37     |
| 2 437.0                                           | 6  | 802.11b (Ant.8) | 15.50                       | 15.45                 | 0.060            | 10 mm [Front]    | FCC #2               | 0.092                                   | 1                | 98.1       | 0.090         | 1.012          | 1.019                       | 0.093      |         |
| 2 437.0                                           | 6  | 802.11b (Ant.8) | 15.50                       | 15.45                 | -0.000           | 10 mm [Rear]     | FCC #2               | 0.115                                   | 1                | 98.1       | 0.116         | 1.012          | 1.019                       | 0.120      |         |
| 2 437.0                                           | 6  | 802.11b (Ant.8) | 15.50                       | 15.45                 | 0.080            | 10 mm [Right]    | FCC #2               | 0.116                                   | 1                | 98.1       | 0.125         | 1.012          | 1.019                       | 0.129      |         |
| 2 437.0                                           | 6  | 802.11b (Ant.8) | 15.50                       | 15.45                 | 0.030            | 10 mm [Right]    | FCC #2               | 0.108                                   | 1                | 98.1       | 0.124         | 1.012          | 1.019                       | 0.128      | A38     |
| 2 437.0                                           | 6  | 802.11b (Ant.9) | 16.70                       | 16.66                 | 0.090            | 10 mm [Top]      | FCC #2               | 0.004                                   | 1                | 98.1       | 0.003         | 1.009          | 1.019                       | 0.003      |         |
| 2 437.0                                           | 6  | 802.11b (Ant.9) | 16.70                       | 16.66                 | 0.030            | 10 mm [Front]    | FCC #2               | 0.044                                   | 1                | 98.1       | 0.044         | 1.009          | 1.019                       | 0.045      |         |
| 2 437.0                                           | 6  | 802.11b (Ant.9) | 16.70                       | 16.66                 | 0.150            | 10 mm [Rear]     | FCC #2               | 0.218                                   | 1                | 98.1       | 0.215         | 1.009          | 1.019                       | 0.221      |         |
| 2 437.0                                           | 6  | 802.11b (Ant.9) | 16.70                       | 16.66                 | 0.160            | 10 mm [Left]     | FCC #2               | 0.182                                   | 1                | 98.1       | 0.176         | 1.009          | 1.019                       | 0.181      | A39     |
| 2 437.0                                           | 6  | 802.11b (Ant.9) | 16.70                       | 16.66                 | 0.030            | 10 mm [Rear]     | FCC #2               | 0.150                                   | 1                | 98.1       | 0.144         | 1.009          | 1.019                       | 0.148      |         |
| 2 437.0                                           | 6  | 802.11ac (MIMO) | 17.71                       | 17.62                 | 0.020            | 10 mm [Top]      | FCC #2               | 0.086                                   | MCS0             | 99.0       | 0.086         | 1.021          | 1.010                       | 0.089      |         |
| 2 437.0                                           | 6  | 802.11ac (MIMO) | 17.71                       | 17.62                 | -0.010           | 10 mm [Front]    | FCC #2               | 0.095                                   | MCS0             | 99.0       | 0.098         | 1.021          | 1.010                       | 0.101      |         |
| 2 437.0                                           | 6  | 802.11ac (MIMO) | 17.71                       | 17.62                 | 0.110            | 10 mm [Rear]     | FCC #2               | 0.237                                   | MCS0             | 99.0       | 0.232         | 1.021          | 1.010                       | 0.239      |         |
| 2 437.0                                           | 6  | 802.11ac (MIMO) | 17.71                       | 17.62                 | 0.050            | 10 mm [Right]    | FCC #2               | 0.103                                   | MCS0             | 99.0       | 0.122         | 1.021          | 1.010                       | 0.126      |         |
| 2 437.0                                           | 6  | 802.11ac (MIMO) | 17.71                       | 17.62                 | 0.090            | 10 mm [Left]     | FCC #2               | 0.188                                   | MCS0             | 99.0       | 0.179         | 1.021          | 1.010                       | 0.185      |         |
| 2 437.0                                           | 6  | 802.11ac (MIMO) | 17.71                       | 17.62                 | 0.070            | 10 mm [Rear]     | FCC #2               | 0.147                                   | MCS0             | 99.0       | 0.148         | 1.021          | 1.010                       | 0.153      |         |
| ANSI / IEEE C95.1-1992- SAFETY LIMIT              |    |                 |                             |                       |                  |                  |                      |                                         |                  |            |               |                |                             |            |         |
| Spatial Peak                                      |    |                 |                             |                       |                  |                  |                      | Body                                    |                  |            |               |                |                             |            |         |
| Uncontrolled Exposure/General Population Exposure |    |                 |                             |                       |                  |                  |                      | 1.6 W/kg (mW/g)<br>averaged over 1 gram |                  |            |               |                |                             |            |         |

Note: Blue entries represent Extended Battery measurements.

| Adjusted SAR results for OFDM SAR                                                                         |    |                 |         |                             |                      |                 |                  |         |                             |                                                 |                        |                    |   |
|-----------------------------------------------------------------------------------------------------------|----|-----------------|---------|-----------------------------|----------------------|-----------------|------------------|---------|-----------------------------|-------------------------------------------------|------------------------|--------------------|---|
| FREQUENCY                                                                                                 |    | Mode/ Antenna   | Service | Maximum Allowed Power [dBm] | 1g Scaled SAR [W/kg] | FREQUENCY [MHz] | Mode             | Service | Maximum Allowed Power [dBm] | Ratio of OFDM to DSSS                           | 1g Adjusted SAR [W/kg] | Determine OFDM SAR |   |
| MHz                                                                                                       | Ch |                 |         |                             |                      |                 |                  |         |                             |                                                 |                        |                    |   |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.8) | DSSS    | 15.50                       | 0.129                | 2 437.0         | 802.11g          | OFDM    | 15.00                       | 0.891                                           | 0.115                  |                    | X |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.8) | DSSS    | 15.50                       | 0.129                | 2 437.0         | 802.11n (HT20)   | OFDM    | 14.50                       | 0.794                                           | 0.102                  |                    | X |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.8) | DSSS    | 15.50                       | 0.129                | 2 437.0         | 802.11ac (VHT20) | OFDM    | 14.50                       | 0.794                                           | 0.102                  |                    | X |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.8) | DSSS    | 15.50                       | 0.129                | 2 437.0         | 802.11n (HT40)   | OFDM    | 14.50                       | 0.794                                           | 0.102                  |                    | X |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.8) | DSSS    | 15.50                       | 0.129                | 2 437.0         | 802.11ac (VHT40) | OFDM    | 14.70                       | 0.832                                           | 0.107                  |                    | X |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.8) | DSSS    | 15.50                       | 0.129                | 2 437.0         | 802.11ax (HE20)  | OFDM    | 12.50                       | 0.501                                           | 0.065                  |                    | X |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.8) | DSSS    | 15.50                       | 0.129                | 2 437.0         | 802.11ax (HE40)  | OFDM    | 12.50                       | 0.501                                           | 0.065                  |                    | X |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.9) | DSSS    | 16.70                       | 0.221                | 2 437.0         | 802.11g          | OFDM    | 16.50                       | 0.955                                           | 0.211                  |                    | X |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.9) | DSSS    | 16.70                       | 0.221                | 2 437.0         | 802.11n (HT20)   | OFDM    | 14.50                       | 0.603                                           | 0.133                  |                    | X |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.9) | DSSS    | 16.70                       | 0.221                | 2 437.0         | 802.11ac (VHT20) | OFDM    | 14.50                       | 0.603                                           | 0.133                  |                    | X |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.9) | DSSS    | 16.70                       | 0.221                | 2 437.0         | 802.11n (HT40)   | OFDM    | 14.50                       | 0.603                                           | 0.133                  |                    | X |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.9) | DSSS    | 16.70                       | 0.221                | 2 437.0         | 802.11ac (VHT40) | OFDM    | 14.70                       | 0.631                                           | 0.139                  |                    | X |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.9) | DSSS    | 16.70                       | 0.221                | 2 437.0         | 802.11ax (HE20)  | OFDM    | 14.00                       | 0.537                                           | 0.119                  |                    | X |
| 2 437.0                                                                                                   | 6  | 802.11b (Ant.9) | DSSS    | 16.70                       | 0.221                | 2 437.0         | 802.11ax (HE40)  | OFDM    | 14.00                       | 0.537                                           | 0.119                  |                    | X |
| 2 437.0                                                                                                   | 6  | 802.11ac (MIMO) | OFDM    | 17.71                       | 0.239                | 2 437.0         | 802.11n (HT20)   | OFDM    | 17.51                       | 0.955                                           | 0.228                  |                    | X |
| 2 437.0                                                                                                   | 6  | 802.11ac (MIMO) | OFDM    | 17.71                       | 0.239                | 2 437.0         | 802.11ac (VHT20) | OFDM    | 17.51                       | 0.955                                           | 0.228                  |                    | X |
| 2 437.0                                                                                                   | 6  | 802.11ac (MIMO) | OFDM    | 17.71                       | 0.239                | 2 437.0         | 802.11n (HT40)   | OFDM    | 17.51                       | 0.955                                           | 0.228                  |                    | X |
| 2 437.0                                                                                                   | 6  | 802.11ac (MIMO) | OFDM    | 17.71                       | 0.239                | 2 437.0         | 802.11ax (HE20)  | OFDM    | 16.32                       | 0.726                                           | 0.174                  |                    | X |
| 2 437.0                                                                                                   | 6  | 802.11ac (MIMO) | OFDM    | 17.71                       | 0.239                | 2 437.0         | 802.11ax (HE40)  | OFDM    | 16.32                       | 0.726                                           | 0.174                  |                    | X |
| ANSI / IEEE C95.1-1992- SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population Exposure |    |                 |         |                             |                      |                 |                  |         |                             | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                        |                    |   |

Note: SAR is not required for the following 2.4 GHz OFDM conditions. 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  $\leq 1.2$  W/kg.

Table 10.3.2 UNII Hotspot SAR

| MEASUREMENT RESULTS                                                                                       |     |                 |                             |                       |                  |                  |                      |                                              |                  |            |               |                |                             |                      |         |
|-----------------------------------------------------------------------------------------------------------|-----|-----------------|-----------------------------|-----------------------|------------------|------------------|----------------------|----------------------------------------------|------------------|------------|---------------|----------------|-----------------------------|----------------------|---------|
| FREQUENCY                                                                                                 |     | Mode            | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Drift Power [dB] | Phantom Position | Device Serial Number | Peak SAR of Area Scan                        | Data Rate [Mbps] | Duty Cycle | 1g SAR [W/kg] | Scaling Factor | Scaling Factor (Duty Cycle) | 1g Scaled SAR [W/kg] | Plots # |
| MHz                                                                                                       | Ch  |                 |                             |                       |                  |                  |                      |                                              |                  |            |               |                |                             |                      |         |
| 5 230.0                                                                                                   | 46  | 802.11n (Ant.8) | 14.50                       | 14.45                 | -0.170           | 10 mm [Top]      | FCC #2               | 0.059                                        | MCS0             | 99.2       | 0.056         | 1.012          | 1.008                       | 0.057                | A40     |
| 5 230.0                                                                                                   | 46  | 802.11n (Ant.8) | 14.50                       | 14.45                 | 0.030            | 10 mm [Front]    | FCC #2               | 0.178                                        | MCS0             | 99.2       | 0.175         | 1.012          | 1.008                       | 0.179                |         |
| 5 230.0                                                                                                   | 46  | 802.11n (Ant.1) | 14.50                       | 14.45                 | -0.050           | 10 mm [Rear]     | FCC #2               | 0.242                                        | MCS0             | 99.2       | 0.265         | 1.012          | 1.008                       | 0.270                |         |
| 5 230.0                                                                                                   | 46  | 802.11n (Ant.8) | 14.50                       | 14.45                 | 0.000            | 10 mm [Right]    | FCC #2               | 0.426                                        | MCS0             | 99.2       | 0.397         | 1.012          | 1.008                       | 0.405                |         |
| 5 230.0                                                                                                   | 46  | 802.11n (Ant.8) | 14.50                       | 14.45                 | 0.000            | 10 mm [Right]    | FCC #2               | 0.410                                        | MCS0             | 99.2       | 0.392         | 1.012          | 1.008                       | 0.400                | A41     |
| 5 230.0                                                                                                   | 46  | 802.11n (Ant.9) | 14.50                       | 14.44                 | 0.000            | 10 mm [Top]      | FCC #2               | 0.010                                        | MCS0             | 99.2       | 0.006         | 1.014          | 1.008                       | 0.006                |         |
| 5 230.0                                                                                                   | 46  | 802.11n (Ant.9) | 14.50                       | 14.44                 | 0.170            | 10 mm [Front]    | FCC #2               | 0.003                                        | MCS0             | 99.2       | 0.006         | 1.014          | 1.008                       | 0.006                |         |
| 5 230.0                                                                                                   | 46  | 802.11n (Ant.9) | 14.50                       | 14.44                 | -0.190           | 10 mm [Rear]     | FCC #2               | 0.147                                        | MCS0             | 99.2       | 0.150         | 1.014          | 1.008                       | 0.153                |         |
| 5 230.0                                                                                                   | 46  | 802.11n (Ant.9) | 14.50                       | 14.44                 | 0.160            | 10 mm [Left]     | FCC #2               | 0.056                                        | MCS0             | 99.2       | 0.057         | 1.014          | 1.008                       | 0.058                | A42     |
| 5 230.0                                                                                                   | 46  | 802.11n (Ant.9) | 14.50                       | 14.44                 | 0.070            | 10 mm [Rear]     | FCC #2               | 0.131                                        | MCS0             | 99.2       | 0.123         | 1.014          | 1.008                       | 0.126                |         |
| 5 230.0                                                                                                   | 46  | 802.11n (MIMO)  | 17.51                       | 17.46                 | 0.130            | 10 mm [Top]      | FCC #2               | 0.067                                        | MCS0             | 99.2       | 0.061         | 1.014          | 1.008                       | 0.062                |         |
| 5 230.0                                                                                                   | 46  | 802.11n (MIMO)  | 17.51                       | 17.46                 | -0.110           | 10 mm [Front]    | FCC #2               | 0.146                                        | MCS0             | 99.2       | 0.126         | 1.014          | 1.008                       | 0.129                |         |
| 5 230.0                                                                                                   | 46  | 802.11n (MIMO)  | 17.51                       | 17.46                 | -0.150           | 10 mm [Rear]     | FCC #2               | 0.290                                        | MCS0             | 99.2       | 0.303         | 1.014          | 1.008                       | 0.310                | A43     |
| 5 230.0                                                                                                   | 46  | 802.11n (MIMO)  | 17.51                       | 17.46                 | 0.090            | 10 mm [Right]    | FCC #2               | 0.368                                        | MCS0             | 99.2       | 0.394         | 1.014          | 1.008                       | 0.403                |         |
| 5 230.0                                                                                                   | 46  | 802.11n (MIMO)  | 17.51                       | 17.46                 | 0.050            | 10 mm [Left]     | FCC #2               | 0.063                                        | MCS0             | 99.2       | 0.037         | 1.014          | 1.008                       | 0.038                |         |
| 5 230.0                                                                                                   | 46  | 802.11n (MIMO)  | 17.51                       | 17.46                 | -0.040           | 10 mm [Right]    | FCC #2               | 0.366                                        | MCS0             | 99.2       | 0.389         | 1.014          | 1.008                       | 0.398                |         |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.8) | 14.00                       | 13.93                 | -0.130           | 10 mm [Top]      | FCC #2               | 0.055                                        | MCS0             | 99.2       | 0.056         | 1.016          | 1.008                       | 0.057                | A44     |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.8) | 14.00                       | 13.93                 | -0.070           | 10 mm [Front]    | FCC #2               | 0.218                                        | MCS0             | 99.2       | 0.218         | 1.016          | 1.008                       | 0.223                |         |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.8) | 14.00                       | 13.93                 | -0.100           | 10 mm [Rear]     | FCC #2               | 0.216                                        | MCS0             | 99.2       | 0.241         | 1.016          | 1.008                       | 0.247                |         |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.8) | 14.00                       | 13.93                 | 0.140            | 10 mm [Right]    | FCC #2               | 0.491                                        | MCS0             | 99.2       | 0.501         | 1.016          | 1.008                       | 0.513                |         |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.8) | 14.00                       | 13.93                 | 0.070            | 10 mm [Right]    | FCC #2               | 0.330                                        | MCS0             | 99.2       | 0.345         | 1.016          | 1.008                       | 0.353                | A45     |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.9) | 14.00                       | 13.31                 | -0.040           | 10 mm [Top]      | FCC #2               | 0.005                                        | MCS0             | 99.2       | 0.009         | 1.172          | 1.008                       | 0.011                |         |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.9) | 14.00                       | 13.31                 | 0.040            | 10 mm [Front]    | FCC #2               | 0.015                                        | MCS0             | 99.2       | 0.033         | 1.172          | 1.008                       | 0.039                |         |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.9) | 14.00                       | 13.31                 | -0.140           | 10 mm [Rear]     | FCC #2               | 0.083                                        | MCS0             | 99.2       | 0.096         | 1.172          | 1.008                       | 0.113                |         |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.9) | 14.00                       | 13.31                 | 0.160            | 10 mm [Left]     | FCC #2               | 0.063                                        | MCS0             | 99.2       | 0.070         | 1.172          | 1.008                       | 0.083                | A45     |
| 5 755.0                                                                                                   | 151 | 802.11n (Ant.9) | 14.00                       | 13.31                 | -0.000           | 10 mm [Rear]     | FCC #2               | 0.064                                        | MCS0             | 99.2       | 0.071         | 1.172          | 1.008                       | 0.084                |         |
| 5 755.0                                                                                                   | 151 | 802.11n (MIMO)  | 17.01                       | 16.64                 | 0.110            | 10 mm [Top]      | FCC #2               | 0.055                                        | MCS0             | 99.2       | 0.059         | 1.172          | 1.008                       | 0.070                |         |
| 5 755.0                                                                                                   | 151 | 802.11n (MIMO)  | 17.01                       | 16.64                 | 0.100            | 10 mm [Front]    | FCC #2               | 0.174                                        | MCS0             | 99.2       | 0.152         | 1.172          | 1.008                       | 0.180                |         |
| 5 755.0                                                                                                   | 151 | 802.11n (MIMO)  | 17.01                       | 16.64                 | 0.090            | 10 mm [Rear]     | FCC #2               | 0.191                                        | MCS0             | 99.2       | 0.193         | 1.172          | 1.008                       | 0.228                | A45     |
| 5 755.0                                                                                                   | 151 | 802.11n (MIMO)  | 17.01                       | 16.64                 | -0.050           | 10 mm [Right]    | FCC #2               | 0.337                                        | MCS0             | 99.2       | 0.348         | 1.172          | 1.008                       | 0.411                |         |
| 5 755.0                                                                                                   | 151 | 802.11n (MIMO)  | 17.01                       | 16.64                 | 0.030            | 10 mm [Left]     | FCC #2               | 0.075                                        | MCS0             | 99.2       | 0.080         | 1.172          | 1.008                       | 0.095                |         |
| 5 755.0                                                                                                   | 151 | 802.11n (MIMO)  | 17.01                       | 16.64                 | -0.130           | 10 mm [Right]    | FCC #2               | 0.329                                        | MCS0             | 99.2       | 0.323         | 1.172          | 1.008                       | 0.382                |         |
| ANSI / IEEE C95.1-1992- SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population Exposure |     |                 |                             |                       |                  |                  |                      | Body<br>1.6 W/kg (mW/g)<br>averaged over 10g |                  |            |               |                |                             |                      |         |

Table 10.3.3 Bluetooth/Bluetooth LE Hotspot SAR

| MEASUREMENT RESULTS                                                                                       |    |                  |                                      |                             |                        |                     |                            |                        |                                                 |                     |                   |                                      |                               |                |
|-----------------------------------------------------------------------------------------------------------|----|------------------|--------------------------------------|-----------------------------|------------------------|---------------------|----------------------------|------------------------|-------------------------------------------------|---------------------|-------------------|--------------------------------------|-------------------------------|----------------|
| FREQUENCY                                                                                                 |    | Mode<br>(Module) | Maximum<br>Allowed<br>Power<br>[dBm] | Conducted<br>Power<br>[dBm] | Drift<br>Power<br>[dB] | Phantom<br>Position | Device<br>Serial<br>Number | Data<br>Rate<br>[Mbps] | Duty<br>Cycle                                   | 1g<br>SAR<br>(W/kg) | Scaling<br>Factor | Scaling<br>Factor<br>(Duty<br>Cycle) | 1g<br>Scaled<br>SAR<br>(W/kg) | Plot<br>s<br># |
| MHz                                                                                                       | Ch |                  |                                      |                             |                        |                     |                            |                        |                                                 |                     |                   |                                      |                               |                |
| 2 441.0                                                                                                   | 39 | BT (Ant.8)       | 5.00                                 | 4.90                        | 0.180                  | 10 mm [Top]         | FCC #2                     | 1                      | 76.8                                            | 0.017               | 1.023             | 1.302                                | 0.023                         | A46            |
| 2 441.0                                                                                                   | 39 | BT (Ant.8)       | 5.00                                 | 4.90                        | 0.150                  | 10 mm [Front]       | FCC #2                     | 1                      | 76.8                                            | 0.016               | 1.023             | 1.302                                | 0.021                         |                |
| 2 441.0                                                                                                   | 39 | BT (Ant.8)       | 5.00                                 | 4.90                        | 0.190                  | 10 mm [Rear]        | FCC #2                     | 1                      | 76.8                                            | 0.020               | 1.023             | 1.302                                | 0.027                         |                |
| 2 441.0                                                                                                   | 39 | BT (Ant.8)       | 5.00                                 | 4.90                        | 0.130                  | 10 mm [Right]       | FCC #2                     | 1                      | 76.8                                            | 0.013               | 1.023             | 1.302                                | 0.017                         |                |
| 2 441.0                                                                                                   | 39 | BT (Ant.8)       | 5.00                                 | 4.90                        | 0.110                  | 10 mm [Rear]        | FCC #2                     | 1                      | 76.8                                            | 0.014               | 1.023             | 1.302                                | 0.019                         |                |
| 2 440.0                                                                                                   | 19 | BLE(Ant.8)       | 5.00                                 | 4.90                        | 0.190                  | 10 mm [Top]         | FCC #2                     | 1                      | 85.2                                            | 0.014               | 1.023             | 1.174                                | 0.017                         | A47            |
| 2 440.0                                                                                                   | 19 | BLE(Ant.8)       | 5.00                                 | 4.90                        | 0.100                  | 10 mm [Front]       | FCC #2                     | 1                      | 85.2                                            | 0.012               | 1.023             | 1.174                                | 0.014                         |                |
| 2 440.0                                                                                                   | 19 | BLE(Ant.8)       | 5.00                                 | 4.90                        | -0.080                 | 10 mm [Rear]        | FCC #2                     | 1                      | 85.2                                            | 0.024               | 1.023             | 1.174                                | 0.029                         |                |
| 2 440.0                                                                                                   | 19 | BLE(Ant.8)       | 5.00                                 | 4.90                        | 0.060                  | 10 mm [Right]       | FCC #2                     | 1                      | 85.2                                            | 0.019               | 1.023             | 1.174                                | 0.023                         |                |
| 2 440.0                                                                                                   | 19 | BLE(Ant.8)       | 5.00                                 | 4.90                        | 0.110                  | 10 mm [Rear]        | FCC #2                     | 1                      | 85.2                                            | 0.016               | 1.023             | 1.174                                | 0.019                         |                |
| 2 440.0                                                                                                   | 19 | BLE(Ant.12)      | -1.00                                | -1.21                       | -0.020                 | 10 mm [Front]       | FCC #2                     | 1                      | 85.3                                            | 0.001               | 1.050             | 1.172                                | 0.001                         | A48            |
| 2 440.0                                                                                                   | 19 | BLE(Ant.12)      | -1.00                                | -1.21                       | 0.070                  | 10 mm [Rear]        | FCC #2                     | 1                      | 85.3                                            | 0.004               | 1.050             | 1.172                                | 0.005                         |                |
| 2 440.0                                                                                                   | 19 | BLE(Ant.12)      | -1.00                                | -1.21                       | -0.130                 | 10 mm [Right]       | FCC #2                     | 1                      | 85.3                                            | 0.001               | 1.050             | 1.172                                | 0.001                         |                |
| 2 440.0                                                                                                   | 19 | BLE(Ant.12)      | -1.00                                | -1.21                       | 0.000                  | 10 mm [Rear]        | FCC #2                     | 1                      | 85.3                                            | 0.000               | 1.050             | 1.172                                | 0.000                         |                |
| ANSI / IEEE C95.1-1992- SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population Exposure |    |                  |                                      |                             |                        |                     |                            |                        | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                     |                   |                                      |                               |                |