



## Appendix A. Test Result of Conducted Spurious

### Test Result of Conducted Spurious at Band Edges in the Restricted Band

| BLE                    | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna | Cable  | Grounding | Peak    |
|------------------------|------|-----------|------------|--------|------------|----------|---------|--------|-----------|---------|
|                        |      |           |            | Limit  | Line       | Level    | Gain    | Loss   | Factor    | Avg     |
|                        |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dBi ) | ( dB ) | ( dB )    | ( P/A ) |
| BLE<br>CH00<br>2402MHz |      | 2364.36   | -44.91     | -23.71 | -21.2      | -49.37   | 3.2     | 1.26   | 0         | P       |
|                        |      | 2389.74   | -59.65     | -18.45 | -41.2      | -64.12   | 3.2     | 1.27   | 0         | A       |
|                        | *    | 2401.753  | 13.13      | -      | -          | 8.66     | 3.2     | 1.27   | 0         | P       |
|                        | *    | 2402.004  | 12.4       | -      | -          | 7.93     | 3.2     | 1.27   | 0         | A       |
| BLE<br>CH19<br>2440MHz |      | 2390.01   | -49.9      | -28.7  | -21.2      | -54.37   | 3.2     | 1.27   | 0         | P       |
|                        |      | 2389.11   | -62.83     | -21.63 | -41.2      | -67.3    | 3.2     | 1.27   | 0         | A       |
|                        | *    | 2440.748  | 12.79      | -      | -          | 8.31     | 3.2     | 1.28   | 0         | P       |
|                        | *    | 2440.999  | 12.1       | -      | -          | 7.62     | 3.2     | 1.28   | 0         | A       |
|                        |      | 2492.16   | -44.48     | -23.28 | -21.2      | -48.97   | 3.2     | 1.29   | 0         | P       |
|                        |      | 2483.52   | -62.59     | -21.39 | -41.2      | -67.07   | 3.2     | 1.28   | 0         | A       |
| BLE<br>CH39<br>2480MHz | *    | 2479.742  | 12.52      | -      | -          | 8.04     | 3.2     | 1.28   | 0         | P       |
|                        | *    | 2480.076  | 11.8       | -      | -          | 7.32     | 3.2     | 1.28   | 0         | A       |
|                        |      | 2483.52   | -25.76     | -4.56  | -21.2      | -30.24   | 3.2     | 1.28   | 0         | P       |
|                        |      | 2483.52   | -55.70     | -14.50 | -41.2      | -60.18   | 3.2     | 1.28   | 0         | A       |

Note: Integration method is used to determine the BLE channel 39 band edge emission average level.



## Test Result of Conducted Spurious Emission in the Restricted Band

| BLE                    | Note | Frequency | Level            | Over   | Limit            | Read           | Antenna | Cable  | Grounding | Peak    |
|------------------------|------|-----------|------------------|--------|------------------|----------------|---------|--------|-----------|---------|
|                        |      |           |                  | Limit  | Line             | Level          | Gain    | Loss   | Factor    | Avg     |
|                        |      | ( MHz )   | ( dB $\mu$ V/m ) | ( dB ) | ( dB $\mu$ V/m ) | ( dB $\mu$ V ) | ( dBi ) | ( dB ) | ( dB )    | ( P/A ) |
| BLE<br>CH00<br>2402MHz |      | 32.91     | -70.44           | -15.24 | -55.2            | -78.51         | 3.2     | 0.17   | 4.7       | P       |
|                        |      | 273.47    | -71.36           | -22.16 | -49.2            | -79.65         | 3.2     | 0.39   | 4.7       | P       |
|                        |      | 412.18    | -70.66           | -21.46 | -49.2            | -78.99         | 3.2     | 0.43   | 4.7       | P       |
|                        |      | 612.97    | -71.08           | -21.88 | -49.2            | -79.51         | 3.2     | 0.53   | 4.7       | P       |
|                        |      | 711.91    | -70.82           | -21.62 | -49.2            | -79.29         | 3.2     | 0.57   | 4.7       | P       |
|                        |      | 801.15    | -51.85           | -2.65  | -49.2            | -60.32         | 3.2     | 0.57   | 4.7       | P       |
|                        |      | 4804      | -44.33           | -23.13 | -21.2            | -49.2          | 3.2     | 1.67   | 0         | P       |
|                        |      | 7206      | -51.92           | -30.72 | -21.2            | -57            | 3.2     | 1.88   | 0         | P       |
| BLE<br>CH19<br>2440MHz |      | 32.91     | -70.48           | -15.28 | -55.2            | -78.55         | 3.2     | 0.17   | 4.7       | P       |
|                        |      | 155.13    | -71.56           | -19.86 | -51.7            | -79.73         | 3.2     | 0.27   | 4.7       | P       |
|                        |      | 312.27    | -71.99           | -22.79 | -49.2            | -80.27         | 3.2     | 0.38   | 4.7       | P       |
|                        |      | 496.57    | -71.72           | -22.52 | -49.2            | -80.06         | 3.2     | 0.44   | 4.7       | P       |
|                        |      | 638.19    | -71.45           | -22.25 | -49.2            | -79.89         | 3.2     | 0.54   | 4.7       | P       |
|                        |      | 813.76    | -51.12           | -1.92  | -49.2            | -59.61         | 3.2     | 0.59   | 4.7       | P       |
|                        |      | 4880      | -32.27           | -11.07 | -21.2            | -37.17         | 3.2     | 1.70   | 0         | P       |
|                        |      | 4880      | -42.13           | -0.93  | -41.2            | -47.03         | 3.2     | 1.70   | 0         | A       |
|                        |      | 7320      | -50.41           | -29.21 | -21.2            | -55.58         | 3.2     | 1.97   | 0         | P       |
| BLE<br>CH39<br>2480MHz |      | 33.88     | -70.2            | -15    | -55.2            | -78.27         | 3.2     | 0.17   | 4.7       | P       |
|                        |      | 287.05    | -71.64           | -22.44 | -49.2            | -79.93         | 3.2     | 0.39   | 4.7       | P       |
|                        |      | 421.88    | -71.42           | -22.22 | -49.2            | -79.75         | 3.2     | 0.43   | 4.7       | P       |
|                        |      | 574.17    | -71.41           | -22.21 | -49.2            | -79.82         | 3.2     | 0.51   | 4.7       | P       |
|                        |      | 745.86    | -70.54           | -21.34 | -49.2            | -79.03         | 3.2     | 0.59   | 4.7       | P       |
|                        |      | 827.34    | -50.07           | -0.87  | -49.2            | -58.56         | 3.2     | 0.59   | 4.7       | P       |
|                        |      | 4960      | -37.56           | -16.36 | -21.2            | -42.49         | 3.2     | 1.73   | 0         | P       |
|                        |      | 4960      | -56.1            | -14.9  | -41.2            | -61.03         | 3.2     | 1.73   | 0         | A       |
|                        |      | 7440      | -54.13           | -32.93 | -21.2            | -59.4          | 3.2     | 2.07   | 0         | P       |