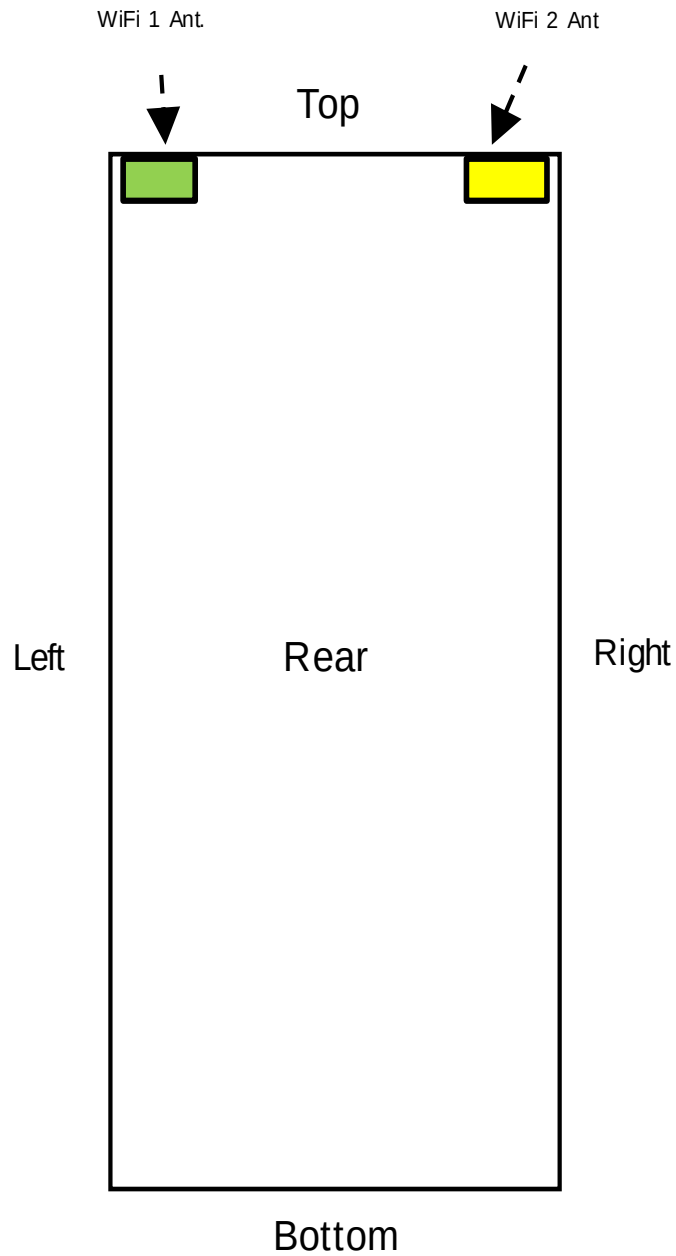


## Appendix G. Proximity sensor feature

The DUT has two proximity sensors to reduce the output power. The position of the sensors and antenna are as shown in the graphic.

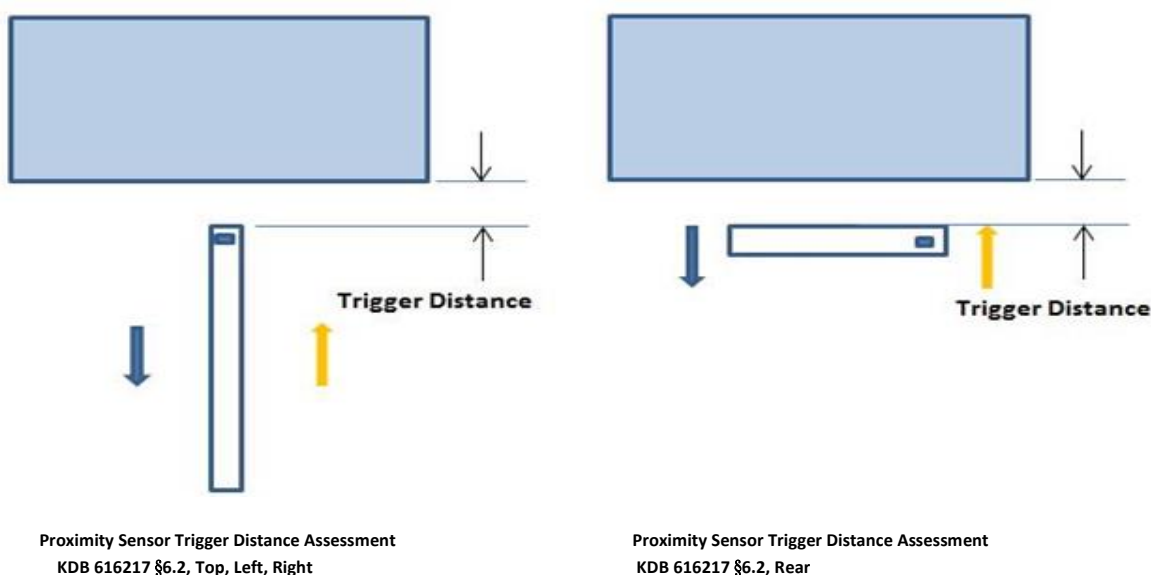


### G.1 Proximity Sensor Triggering Distance (KDB 616217 §6.2)

Rear, Top, Left, Right of the DUT was placed directly below the flat phantom. The DUT was moved toward the phantom in accordance with the steps outlined in KDB 616217 §6.2 to determine the trigger distance for enabling power reduction. The DUT was moved away from the phantom to determine the trigger distance for resuming full power.

The DUT featured a visual indicator on its display that showed the status of the proximity sensor (Triggered or not triggered). This was used to determine the status of the sensor during the proximity sensor assessment as monitoring the output power directly was not practical without affecting the measurement.

It was confirmed separately that the output power was altered according to the proximity sensor status indication. This was achieved by observing the proximity sensor status at the same time as monitoring the conducted power. Section 9 contains both the full and reduced conducted power measurements.



#### LEGEND

- Direction of DUT travel for determination of power reduction triggering point
- Direction of DUT travel for determination of full power resumption triggering point

#### Summary of Trigger Distances

| Antenna     | Trigger distance – Rear |                     | Trigger distance – Top |                       | Trigger distance – Left |                     | Trigger distance – Bottom |                     | Trigger distance – Right |                     |
|-------------|-------------------------|---------------------|------------------------|-----------------------|-------------------------|---------------------|---------------------------|---------------------|--------------------------|---------------------|
|             | Moving toward phantom   | Moving from phantom | Moving toward phantom  | Moving toward phantom | Moving from phantom     | Moving from phantom | Moving toward phantom     | Moving from phantom | Moving toward phantom    | Moving from phantom |
| WiFi 1 Ant. | 20 mm                   | 20 mm               | 23 mm                  | 23 mm                 | 20 mm                   | 20 mm               | X                         | X                   | X                        | X                   |
| WiFi 2 Ant. | 20 mm                   | 20 mm               | 23 mm                  | 23 mm                 | X                       | X                   | X                         | X                   | 20 mm                    | 20 mm               |

## Proximity Sensor Triggering Distance Measurement Results

### WiFi 1 Ant.

**Rear, DUT Moving Toward (Trigger) and Away (Release) from the Phantom**

| KDB 616217 6.2.6                           |       |       |       |       |       |       |       |       |       |       |
|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Measured Power [dBm]                       |       |       |       |       |       |       |       |       |       |       |
| Distance[mm]                               | 25    | 24    | 23    | 22    | 21    | 20    | 19    | 18    | 17    | 16    |
| 2.4GHz WLAN 11b                            | 16.07 | 16.08 | 15.92 | 15.90 | 15.90 | 10.96 | 11.06 | 10.98 | 10.96 | 11.00 |
| 2.4GHz WLAN 11g                            | 16.93 | 16.91 | 17.08 | 16.90 | 17.10 | 11.05 | 10.98 | 11.01 | 11.01 | 10.98 |
| 2.4GHz WLAN 11n                            | 14.96 | 15.06 | 15.07 | 15.10 | 15.06 | 11.06 | 11.03 | 10.97 | 10.99 | 10.90 |
| 2.4GHz WLAN 11ax                           | 14.92 | 14.93 | 15.04 | 15.08 | 14.92 | 11.00 | 11.10 | 11.04 | 10.97 | 11.10 |
| 2.4GHz WLAN 11b<br>12ch                    | 1.92  | 1.98  | 1.94  | 2.02  | 1.92  | 1.94  | 1.93  | 2.00  | 2.03  | 2.06  |
| 2.4GHz WLAN 11b<br>13ch                    | -2.03 | -2.02 | -2.08 | -1.97 | -2.03 | -1.91 | -2.09 | -1.96 | -1.95 | -1.93 |
| 2.4GHz WLAN 11g<br>12ch                    | 4.93  | 5.06  | 4.95  | 4.95  | 5.07  | 4.96  | 5.01  | 5.01  | 5.02  | 4.94  |
| 2.4GHz WLAN 11g<br>13ch                    | 0.97  | 1.07  | 1.03  | 0.99  | 1.01  | 0.95  | 0.99  | 0.97  | 1.03  | 0.93  |
| 2.4GHz WLAN 11n/ax<br>12ch                 | 3.94  | 3.90  | 4.01  | 4.01  | 4.02  | 4.02  | 3.95  | 3.96  | 4.05  | 4.01  |
| 2.4GHz WLAN 11n/ax<br>13ch                 | -0.01 | 0.03  | -0.09 | 0.01  | 0.09  | -0.01 | -0.09 | 0.00  | -0.04 | -0.10 |
| 5GHz WLAN(20MHz BW) 11a<br>36-64ch         | 13.90 | 13.98 | 14.05 | 13.93 | 14.04 | 5.52  | 5.52  | 5.42  | 5.48  | 5.44  |
| 5GHz WLAN(20MHz BW) 11a<br>100-165ch       | 16.09 | 16.06 | 15.99 | 16.07 | 16.02 | 7.48  | 7.44  | 7.58  | 7.44  | 7.44  |
| 5GHz WLAN(20MHz BW) 11a<br>140ch           | 15.94 | 15.95 | 16.04 | 16.01 | 16.10 | 8.90  | 9.09  | 9.00  | 8.99  | 8.90  |
| 5GHz WLAN(20MHz BW) 11a<br>157ch           | 16.07 | 16.03 | 15.96 | 16.07 | 15.94 | 8.59  | 8.46  | 8.56  | 8.40  | 8.46  |
| 5GHz WLAN(20MHz BW) 11n/ac/ax<br>36-64ch   | 13.06 | 12.91 | 12.99 | 13.00 | 12.99 | 5.50  | 5.57  | 5.49  | 5.57  | 5.44  |
| 5GHz WLAN(20MHz BW) 11n/ac/ax<br>100-165ch | 15.10 | 14.92 | 14.96 | 15.00 | 15.00 | 7.58  | 7.49  | 7.43  | 7.59  | 7.57  |
| 5GHz WLAN(20MHz BW) 11n/ac/ax<br>140ch     | 14.95 | 14.91 | 14.90 | 14.91 | 14.92 | 8.93  | 9.01  | 9.04  | 9.00  | 9.02  |
| 5GHz WLAN(20MHz BW) 11n/ac/ax<br>157ch     | 14.94 | 15.01 | 14.99 | 15.03 | 14.92 | 8.56  | 8.46  | 8.41  | 8.48  | 8.41  |
| 5GHz WLAN(40MHz BW) 11n/ac/ax<br>36-64ch   | 11.01 | 10.94 | 11.07 | 10.98 | 10.99 | 5.55  | 5.46  | 5.44  | 5.47  | 5.41  |
| 5GHz WLAN(40MHz BW) 11n/ac/ax<br>100-165ch | 12.98 | 13.07 | 13.09 | 13.09 | 13.05 | 7.45  | 7.44  | 7.51  | 7.53  | 7.57  |
| 5GHz WLAN(80MHz BW) 11ac/ax<br>36-64ch     | 7.10  | 6.90  | 6.96  | 7.02  | 6.94  | 5.47  | 5.43  | 5.56  | 5.46  | 5.56  |
| 5GHz WLAN(80MHz BW) 11ac/ax<br>100-165ch   | 12.10 | 11.90 | 11.95 | 12.08 | 11.91 | 7.45  | 7.54  | 7.46  | 7.60  | 7.43  |
| Bluetooth BDR                              | 14.01 | 13.92 | 14.09 | 14.03 | 13.96 | 10.91 | 11.05 | 11.07 | 11.05 | 11.04 |
| Bluetooth LE                               | 8.04  | 7.94  | 7.93  | 8.05  | 7.99  | 7.93  | 7.91  | 7.98  | 7.97  | 8.10  |

**Top, DUT Moving Toward (Trigger) and Away (Release) from the Phantom**

| KDB 616217 6.2.6<br>Measured Power [dBm]   |       |       |       |       |       |       |       |       |       |       |
|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Distance[mm]                               | 28    | 27    | 26    | 25    | 24    | 23    | 22    | 21    | 20    | 19    |
| 2.4GHz WLAN 11b                            | 15.94 | 16.09 | 16.08 | 16.09 | 16.02 | 10.96 | 11.10 | 11.09 | 10.94 | 10.95 |
| 2.4GHz WLAN 11g                            | 16.98 | 17.04 | 16.91 | 16.90 | 16.94 | 11.10 | 10.98 | 10.94 | 11.05 | 11.02 |
| 2.4GHz WLAN 11n                            | 14.94 | 15.06 | 15.02 | 14.91 | 15.01 | 11.08 | 11.01 | 11.01 | 10.98 | 10.94 |
| 2.4GHz WLAN 11ax                           | 15.06 | 14.91 | 14.92 | 15.00 | 15.01 | 10.97 | 10.98 | 11.00 | 10.96 | 11.03 |
| 2.4GHz WLAN 11b<br>12ch                    | 1.91  | 2.10  | 1.92  | 1.94  | 1.95  | 2.06  | 1.92  | 1.94  | 2.07  | 1.98  |
| 2.4GHz WLAN 11b<br>13ch                    | -1.99 | -2.06 | -2.05 | -2.08 | -2.03 | -2.00 | -2.07 | -1.94 | -1.94 | -2.04 |
| 2.4GHz WLAN 11g<br>12ch                    | 4.96  | 4.98  | 5.08  | 5.10  | 5.03  | 5.07  | 4.99  | 5.08  | 5.04  | 5.03  |
| 2.4GHz WLAN 11g<br>13ch                    | 0.90  | 0.97  | 0.98  | 1.10  | 1.03  | 0.95  | 0.96  | 1.05  | 0.90  | 1.04  |
| 2.4GHz WLAN 11n/ax<br>12ch                 | 4.10  | 4.02  | 4.08  | 3.94  | 4.02  | 3.90  | 4.06  | 3.95  | 3.93  | 4.04  |
| 2.4GHz WLAN 11n/ax<br>13ch                 | -0.03 | -0.09 | 0.10  | -0.03 | 0.10  | 0.08  | 0.05  | -0.10 | -0.06 | 0.00  |
| 5GHz WLAN(20MHz BW) 11a<br>36-64ch         | 14.10 | 13.95 | 13.91 | 13.98 | 14.02 | 5.43  | 5.47  | 5.58  | 5.49  | 5.42  |
| 5GHz WLAN(20MHz BW) 11a<br>100-165ch       | 16.05 | 16.10 | 16.04 | 15.97 | 15.93 | 7.55  | 7.53  | 7.57  | 7.40  | 7.53  |
| 5GHz WLAN(20MHz BW) 11a<br>140ch           | 16.03 | 16.07 | 16.06 | 15.93 | 15.98 | 8.96  | 9.07  | 8.99  | 8.92  | 8.96  |
| 5GHz WLAN(20MHz BW) 11a<br>157ch           | 15.99 | 16.09 | 16.01 | 16.06 | 15.97 | 8.45  | 8.49  | 8.59  | 8.60  | 8.43  |
| 5GHz WLAN(20MHz BW) 11n/ac/ax<br>36-64ch   | 13.01 | 12.90 | 12.95 | 12.90 | 12.94 | 5.44  | 5.43  | 5.54  | 5.53  | 5.52  |
| 5GHz WLAN(20MHz BW) 11n/ac/ax<br>100-165ch | 15.01 | 14.94 | 14.92 | 15.08 | 14.99 | 7.58  | 7.44  | 7.50  | 7.51  | 7.46  |
| 5GHz WLAN(20MHz BW) 11n/ac/ax<br>140ch     | 14.93 | 14.99 | 14.97 | 14.97 | 14.96 | 9.05  | 9.02  | 8.97  | 8.96  | 8.91  |
| 5GHz WLAN(20MHz BW) 11n/ac/ax<br>157ch     | 14.94 | 14.98 | 15.02 | 14.92 | 15.03 | 8.58  | 8.55  | 8.41  | 8.60  | 8.53  |
| 5GHz WLAN(40MHz BW) 11n/ac/ax<br>36-64ch   | 11.07 | 11.09 | 11.01 | 11.01 | 10.93 | 5.54  | 5.40  | 5.49  | 5.59  | 5.60  |
| 5GHz WLAN(40MHz BW) 11n/ac/ax<br>100-165ch | 13.08 | 12.96 | 13.03 | 13.10 | 13.08 | 7.52  | 7.44  | 7.52  | 7.49  | 7.57  |
| 5GHz WLAN(80MHz BW) 11ac/ax<br>36-64ch     | 7.06  | 6.98  | 7.08  | 6.97  | 7.04  | 5.51  | 5.41  | 5.51  | 5.48  | 5.46  |
| 5GHz WLAN(80MHz BW) 11ac/ax<br>100-165ch   | 12.03 | 11.99 | 11.91 | 12.02 | 11.99 | 7.50  | 7.56  | 7.46  | 7.58  | 7.55  |
| Bluetooth BDR                              | 13.92 | 13.99 | 14.01 | 13.99 | 14.03 | 11.08 | 10.95 | 10.99 | 11.05 | 11.05 |
| Bluetooth LE                               | 8.08  | 8.10  | 8.10  | 8.01  | 8.01  | 8.02  | 7.91  | 8.01  | 7.93  | 7.91  |

**Right, DUT Moving Toward (Trigger) and Away (Release) from the Phantom**

| KDB 616217 6.2.6                        |       |       |       |       |       |       |       |       |       |       |
|-----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Measured Power [dBm]                    |       |       |       |       |       |       |       |       |       |       |
| Distance[mm]                            | 25    | 24    | 23    | 22    | 21    | 20    | 19    | 18    | 17    | 16    |
| 2.4GHz WLAN 11b                         | 16.06 | 15.93 | 16.09 | 16.05 | 16.02 | 11.08 | 11.04 | 11.05 | 10.99 | 10.95 |
| 2.4GHz WLAN 11g                         | 16.93 | 16.97 | 17.07 | 17.09 | 16.92 | 10.95 | 11.07 | 10.99 | 11.04 | 10.95 |
| 2.4GHz WLAN 11n                         | 15.07 | 15.01 | 14.96 | 15.06 | 15.07 | 11.05 | 11.01 | 10.94 | 11.01 | 11.02 |
| 2.4GHz WLAN 11ax                        | 14.91 | 14.99 | 14.97 | 14.97 | 15.07 | 10.95 | 10.98 | 11.01 | 10.94 | 10.94 |
| 2.4GHz WLAN 11b 12ch                    | 1.97  | 2.00  | 2.09  | 2.03  | 2.02  | 1.98  | 2.07  | 1.91  | 1.96  | 2.01  |
| 2.4GHz WLAN 11b 13ch                    | -1.96 | -2.09 | -2.01 | -2.08 | -2.08 | -1.94 | -2.06 | -1.91 | -2.06 | -2.03 |
| 2.4GHz WLAN 11g 12ch                    | 5.05  | 5.07  | 5.00  | 5.06  | 5.04  | 4.91  | 5.02  | 4.95  | 4.92  | 5.08  |
| 2.4GHz WLAN 11g 13ch                    | 0.91  | 1.06  | 1.00  | 0.98  | 1.06  | 0.96  | 1.09  | 1.01  | 0.92  | 1.09  |
| 2.4GHz WLAN 11n/ax 12ch                 | 4.03  | 3.92  | 3.94  | 3.90  | 4.05  | 3.90  | 3.95  | 4.02  | 4.05  | 4.06  |
| 2.4GHz WLAN 11n/ax 13ch                 | 0.00  | 0.05  | -0.01 | -0.08 | 0.10  | -0.02 | 0.05  | 0.01  | -0.06 | -0.07 |
| 5GHz WLAN(20MHz BW) 11a 36~64ch         | 13.94 | 14.03 | 14.03 | 13.98 | 13.96 | 5.50  | 5.46  | 5.43  | 5.44  | 5.58  |
| 5GHz WLAN(20MHz BW) 11a 100~165ch       | 15.97 | 15.94 | 16.10 | 15.99 | 15.97 | 7.56  | 7.48  | 7.60  | 7.52  | 7.42  |
| 5GHz WLAN(20MHz BW) 11a 140ch           | 16.07 | 15.93 | 15.95 | 15.90 | 16.10 | 9.07  | 9.01  | 9.01  | 8.99  | 9.01  |
| 5GHz WLAN(20MHz BW) 11a 157ch           | 15.91 | 16.04 | 16.06 | 16.04 | 15.92 | 8.42  | 8.45  | 8.58  | 8.49  | 8.40  |
| 5GHz WLAN(20MHz BW) 11n/ac/ax 36~64ch   | 13.08 | 12.93 | 13.03 | 13.10 | 13.04 | 5.60  | 5.57  | 5.55  | 5.59  | 5.54  |
| 5GHz WLAN(20MHz BW) 11n/ac/ax 100~165ch | 14.99 | 15.04 | 15.09 | 14.97 | 14.97 | 7.60  | 7.53  | 7.59  | 7.46  | 7.40  |
| 5GHz WLAN(20MHz BW) 11n/ac/ax 140ch     | 14.91 | 14.94 | 14.97 | 14.91 | 14.91 | 9.00  | 9.08  | 8.99  | 9.10  | 9.09  |
| 5GHz WLAN(20MHz BW) 11n/ac/ax 157ch     | 15.09 | 15.06 | 15.03 | 15.02 | 15.05 | 8.46  | 8.56  | 8.53  | 8.44  | 8.40  |
| 5GHz WLAN(40MHz BW) 11n/ac/ax 36~64ch   | 10.96 | 11.05 | 11.04 | 10.92 | 11.09 | 5.42  | 5.60  | 5.55  | 5.59  | 5.46  |
| 5GHz WLAN(40MHz BW) 11n/ac/ax 100~165ch | 13.06 | 12.95 | 12.97 | 12.99 | 12.92 | 7.48  | 7.58  | 7.43  | 7.50  | 7.41  |
| 5GHz WLAN(80MHz BW) 11ac/ax 36~64ch     | 7.07  | 6.97  | 6.91  | 7.01  | 6.98  | 5.47  | 5.44  | 5.41  | 5.53  | 5.43  |
| 5GHz WLAN(80MHz BW) 11ac/ax 100~165ch   | 12.06 | 12.08 | 11.92 | 11.94 | 12.03 | 7.51  | 7.50  | 7.59  | 7.47  | 7.48  |
| Bluetooth BDR                           | 14.07 | 14.09 | 14.09 | 14.03 | 14.08 | 11.04 | 10.98 | 10.90 | 11.05 | 10.93 |
| Bluetooth LE                            | 8.01  | 7.92  | 8.02  | 7.90  | 8.07  | 8.06  | 8.05  | 8.10  | 7.92  | 7.96  |

**WiFi 2****Rear, DUT Moving Toward (Trigger) and Away (Release) from the Phantom**

| KDB 616217 6.2.6                        |       |       |       |       |       |       |       |       |       |       |
|-----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Measured Power [dBm]                    |       |       |       |       |       |       |       |       |       |       |
| Distance[mm]                            | 25    | 24    | 23    | 22    | 21    | 20    | 19    | 18    | 17    | 16    |
| 2.4GHz WLAN 11b                         | 15.92 | 16.03 | 16.05 | 16.01 | 16.04 | 11.01 | 11.05 | 11.07 | 10.97 | 11.06 |
| 2.4GHz WLAN 11g                         | 16.95 | 17.06 | 16.92 | 16.97 | 17.03 | 10.90 | 10.95 | 11.00 | 10.91 | 11.09 |
| 2.4GHz WLAN 11n                         | 15.03 | 15.02 | 15.04 | 14.95 | 15.01 | 10.91 | 11.00 | 10.98 | 11.10 | 10.91 |
| 2.4GHz WLAN 11ax                        | 15.06 | 15.03 | 14.98 | 14.92 | 15.00 | 10.99 | 10.94 | 11.02 | 10.96 | 11.08 |
| 2.4GHz WLAN 11b 12ch                    | 1.99  | 1.96  | 2.02  | 1.96  | 2.00  | 1.95  | 2.07  | 1.91  | 2.01  | 1.91  |
| 2.4GHz WLAN 11b 13ch                    | -2.03 | -2.03 | -1.97 | -1.95 | -2.04 | -1.95 | -1.93 | -1.95 | -1.91 | -1.91 |
| 2.4GHz WLAN 11g 12ch                    | 4.91  | 5.00  | 4.98  | 4.90  | 5.05  | 5.06  | 4.95  | 5.09  | 5.09  | 5.02  |
| 2.4GHz WLAN 11g 13ch                    | 0.97  | 0.96  | 0.97  | 1.02  | 1.00  | 1.09  | 0.95  | 1.08  | 1.07  | 1.05  |
| 2.4GHz WLAN 11n/ax 12ch                 | 4.09  | 3.90  | 3.91  | 4.01  | 3.93  | 4.10  | 4.02  | 3.96  | 4.08  | 4.01  |
| 2.4GHz WLAN 11n/ax 13ch                 | 0.09  | -0.02 | 0.01  | 0.05  | -0.05 | -0.04 | 0.02  | 0.03  | 0.04  | -0.03 |
| 5GHz WLAN(20MHz BW) 11a 36~64ch         | 13.92 | 13.97 | 14.10 | 13.98 | 14.09 | 5.55  | 5.60  | 5.56  | 5.48  | 5.45  |
| 5GHz WLAN(20MHz BW) 11a 100~165ch       | 16.06 | 15.92 | 16.03 | 16.05 | 15.98 | 7.50  | 7.42  | 7.47  | 7.59  | 7.42  |
| 5GHz WLAN(20MHz BW) 11a 140ch           | 16.04 | 15.93 | 16.02 | 15.99 | 16.02 | 9.02  | 8.93  | 9.02  | 8.90  | 9.08  |
| 5GHz WLAN(20MHz BW) 11a 157ch           | 15.97 | 16.06 | 16.07 | 16.09 | 15.94 | 8.45  | 8.47  | 8.47  | 8.43  | 8.55  |
| 5GHz WLAN(20MHz BW) 11n/ac/ax 36~64ch   | 12.98 | 13.00 | 13.01 | 13.03 | 12.95 | 5.60  | 5.57  | 5.56  | 5.49  | 5.59  |
| 5GHz WLAN(20MHz BW) 11n/ac/ax 100~165ch | 14.90 | 15.09 | 14.96 | 14.99 | 15.03 | 7.49  | 7.46  | 7.56  | 7.48  | 7.52  |
| 5GHz WLAN(20MHz BW) 11n/ac/ax 140ch     | 15.04 | 14.91 | 14.91 | 15.07 | 15.10 | 9.02  | 9.04  | 8.95  | 8.90  | 9.05  |
| 5GHz WLAN(20MHz BW) 11n/ac/ax 157ch     | 14.91 | 14.90 | 15.10 | 14.98 | 15.01 | 8.48  | 8.40  | 8.60  | 8.40  | 8.56  |
| 5GHz WLAN(40MHz BW) 11n/ac/ax 36~64ch   | 10.95 | 10.96 | 11.09 | 11.06 | 10.99 | 5.58  | 5.59  | 5.49  | 5.51  | 5.57  |
| 5GHz WLAN(40MHz BW) 11n/ac/ax 100~165ch | 12.99 | 13.00 | 13.08 | 12.96 | 13.02 | 7.47  | 7.58  | 7.46  | 7.45  | 7.56  |
| 5GHz WLAN(80MHz BW) 11ac/ax 36~64ch     | 7.02  | 6.97  | 6.99  | 6.90  | 7.06  | 5.59  | 5.40  | 5.59  | 5.51  | 5.53  |
| 5GHz WLAN(80MHz BW) 11ac/ax 100~165ch   | 11.95 | 11.97 | 12.02 | 11.95 | 11.92 | 7.47  | 7.53  | 7.55  | 7.40  | 7.46  |

**Top, DUT Moving Toward (Trigger) and Away (Release) from the Phantom**

| KDB 616217 6.2.6                        |       |       |       |       |       |       |       |       |       |       |
|-----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Measured Power [dBm]                    |       |       |       |       |       |       |       |       |       |       |
| Distance[mm]                            | 28    | 27    | 26    | 25    | 24    | 23    | 22    | 21    | 20    | 19    |
| 2.4GHz WLAN 11b                         | 15.97 | 16.08 | 16.00 | 15.98 | 15.96 | 11.06 | 11.01 | 11.05 | 11.09 | 11.09 |
| 2.4GHz WLAN 11g                         | 16.94 | 17.03 | 16.93 | 16.93 | 16.90 | 10.94 | 11.03 | 11.05 | 10.97 | 10.91 |
| 2.4GHz WLAN 11n                         | 14.95 | 14.90 | 14.98 | 15.04 | 15.10 | 10.97 | 10.97 | 10.96 | 10.93 | 11.06 |
| 2.4GHz WLAN 11ax                        | 15.10 | 15.02 | 15.05 | 14.97 | 15.02 | 11.10 | 11.06 | 11.07 | 11.05 | 11.07 |
| 2.4GHz WLAN 11b 12ch                    | 1.92  | 1.94  | 2.00  | 2.05  | 2.04  | 2.08  | 2.10  | 2.10  | 2.03  | 2.02  |
| 2.4GHz WLAN 11b 13ch                    | -2.04 | -1.94 | -1.95 | -1.90 | -2.02 | -2.07 | -1.95 | -1.96 | -1.91 | -1.97 |
| 2.4GHz WLAN 11g 12ch                    | 5.04  | 5.07  | 5.06  | 5.06  | 5.00  | 5.00  | 5.00  | 4.92  | 4.94  | 5.09  |
| 2.4GHz WLAN 11g 13ch                    | 1.00  | 1.08  | 1.09  | 1.08  | 1.01  | 1.02  | 0.98  | 0.98  | 0.92  | 0.94  |
| 2.4GHz WLAN 11n/ax 12ch                 | 3.91  | 3.93  | 4.00  | 3.91  | 4.09  | 3.95  | 4.08  | 4.10  | 4.04  | 3.97  |
| 2.4GHz WLAN 11n/ax 13ch                 | -0.02 | 0.07  | 0.02  | -0.10 | -0.06 | 0.00  | -0.05 | -0.01 | -0.02 | 0.06  |
| 5GHz WLAN(20MHz BW) 11a 36~64ch         | 14.08 | 13.97 | 14.06 | 14.02 | 14.00 | 5.42  | 5.58  | 5.40  | 5.47  | 5.44  |
| 5GHz WLAN(20MHz BW) 11a 100~165ch       | 16.01 | 15.95 | 16.04 | 16.06 | 16.05 | 7.56  | 7.53  | 7.59  | 7.55  | 7.49  |
| 5GHz WLAN(20MHz BW) 11a 140ch           | 16.04 | 16.04 | 15.93 | 15.92 | 16.03 | 8.90  | 9.06  | 9.10  | 8.98  | 8.96  |
| 5GHz WLAN(20MHz BW) 11a 157ch           | 16.02 | 16.01 | 15.98 | 15.99 | 16.07 | 8.49  | 8.41  | 8.53  | 8.44  | 8.51  |
| 5GHz WLAN(20MHz BW) 11n/ac/ax 36~64ch   | 13.01 | 12.98 | 13.01 | 13.08 | 13.09 | 5.47  | 5.60  | 5.45  | 5.40  | 5.51  |
| 5GHz WLAN(20MHz BW) 11n/ac/ax 100~165ch | 15.04 | 15.08 | 15.10 | 15.09 | 14.91 | 7.58  | 7.49  | 7.56  | 7.49  | 7.52  |
| 5GHz WLAN(20MHz BW) 11n/ac/ax 140ch     | 14.90 | 14.97 | 15.04 | 14.90 | 15.09 | 9.06  | 8.92  | 8.91  | 9.00  | 9.08  |
| 5GHz WLAN(20MHz BW) 11n/ac/ax 157ch     | 14.90 | 15.10 | 15.00 | 14.97 | 14.93 | 8.58  | 8.60  | 8.41  | 8.60  | 8.49  |
| 5GHz WLAN(40MHz BW) 11n/ac/ax 36~64ch   | 10.91 | 10.94 | 10.99 | 10.94 | 10.90 | 5.51  | 5.45  | 5.42  | 5.47  | 5.60  |
| 5GHz WLAN(40MHz BW) 11n/ac/ax 100~165ch | 13.03 | 13.04 | 13.07 | 13.07 | 13.09 | 7.50  | 7.57  | 7.51  | 7.46  | 7.53  |
| 5GHz WLAN(80MHz BW) 11ac/ax 36~64ch     | 7.01  | 6.90  | 6.93  | 6.97  | 7.02  | 5.50  | 5.52  | 5.41  | 5.60  | 5.59  |
| 5GHz WLAN(80MHz BW) 11ac/ax 100~165ch   | 12.04 | 11.90 | 12.07 | 12.04 | 11.99 | 7.59  | 7.57  | 7.55  | 7.45  | 7.41  |

**Left, DUT Moving Toward (Trigger) and Away (Release) from the Phantom**

| KDB 616217 6.2.6<br>Measured Power [dBm]   |       |       |       |       |       |       |       |       |       |       |
|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Distance[mm]                               | 25    | 24    | 23    | 22    | 21    | 20    | 19    | 18    | 17    | 16    |
| 2.4GHz WLAN 11b                            | 15.91 | 16.06 | 16.08 | 16.06 | 16.06 | 11.08 | 11.02 | 10.94 | 10.96 | 10.93 |
| 2.4GHz WLAN 11g                            | 17.04 | 17.10 | 16.93 | 17.00 | 16.94 | 10.96 | 11.03 | 10.98 | 10.98 | 11.07 |
| 2.4GHz WLAN 11n                            | 15.03 | 15.10 | 14.95 | 15.09 | 14.95 | 11.08 | 11.03 | 10.92 | 11.00 | 11.00 |
| 2.4GHz WLAN 11ax                           | 15.08 | 15.01 | 15.03 | 14.96 | 15.00 | 10.93 | 10.94 | 10.90 | 11.02 | 10.99 |
| 2.4GHz WLAN 11b<br>12ch                    | 1.98  | 1.92  | 1.99  | 2.06  | 1.95  | 2.02  | 1.99  | 2.01  | 1.94  | 2.04  |
| 2.4GHz WLAN 11b<br>13ch                    | -2.06 | -2.05 | -2.00 | -2.10 | -1.90 | -2.10 | -1.91 | -1.90 | -2.00 | -2.10 |
| 2.4GHz WLAN 11g<br>12ch                    | 4.98  | 5.05  | 5.10  | 4.93  | 4.90  | 5.00  | 4.98  | 5.06  | 4.91  | 5.01  |
| 2.4GHz WLAN 11g<br>13ch                    | 0.94  | 1.10  | 1.09  | 0.90  | 0.98  | 1.01  | 0.91  | 0.91  | 0.91  | 1.09  |
| 2.4GHz WLAN 11n/ax<br>12ch                 | 3.91  | 4.07  | 3.92  | 3.90  | 4.06  | 4.08  | 3.98  | 4.01  | 4.08  | 3.90  |
| 2.4GHz WLAN 11n/ax<br>13ch                 | 0.00  | -0.07 | -0.04 | -0.02 | -0.01 | 0.01  | 0.01  | -0.03 | 0.01  | 0.00  |
| 5GHz WLAN(20MHz BW) 11a<br>36~64ch         | 13.91 | 13.94 | 13.91 | 14.01 | 14.06 | 5.58  | 5.53  | 5.45  | 5.53  | 5.60  |
| 5GHz WLAN(20MHz BW) 11a<br>100~165ch       | 15.91 | 16.08 | 16.05 | 15.91 | 15.93 | 7.44  | 7.57  | 7.46  | 7.42  | 7.43  |
| 5GHz WLAN(20MHz BW) 11a<br>140ch           | 16.04 | 15.92 | 16.03 | 15.97 | 16.05 | 8.99  | 9.05  | 9.10  | 8.94  | 9.02  |
| 5GHz WLAN(20MHz BW) 11a<br>157ch           | 16.07 | 16.02 | 16.06 | 16.02 | 16.08 | 8.40  | 8.43  | 8.43  | 8.42  | 8.60  |
| 5GHz WLAN(20MHz BW) 11n/ac/ax<br>36~64ch   | 13.04 | 13.10 | 12.92 | 12.94 | 13.05 | 5.59  | 5.50  | 5.40  | 5.58  | 5.49  |
| 5GHz WLAN(20MHz BW) 11n/ac/ax<br>100~165ch | 15.08 | 14.90 | 14.91 | 14.95 | 14.91 | 7.60  | 7.40  | 7.52  | 7.46  | 7.47  |
| 5GHz WLAN(20MHz BW) 11n/ac/ax<br>140ch     | 14.95 | 15.10 | 15.06 | 14.94 | 14.93 | 9.09  | 8.98  | 9.02  | 9.05  | 9.02  |
| 5GHz WLAN(20MHz BW) 11n/ac/ax<br>157ch     | 14.93 | 14.99 | 15.01 | 15.01 | 15.05 | 8.45  | 8.59  | 8.43  | 8.53  | 8.57  |
| 5GHz WLAN(40MHz BW) 11n/ac/ax<br>36~64ch   | 11.09 | 11.04 | 10.98 | 11.02 | 11.09 | 5.55  | 5.50  | 5.43  | 5.53  | 5.57  |
| 5GHz WLAN(40MHz BW) 11n/ac/ax<br>100~165ch | 12.98 | 12.93 | 12.97 | 12.97 | 12.95 | 7.53  | 7.45  | 7.44  | 7.56  | 7.42  |
| 5GHz WLAN(80MHz BW) 11ac/ax<br>36~64ch     | 6.95  | 6.96  | 6.97  | 6.98  | 6.91  | 5.44  | 5.49  | 5.59  | 5.57  | 5.56  |
| 5GHz WLAN(80MHz BW) 11ac/ax<br>100~165ch   | 11.94 | 11.93 | 12.01 | 12.05 | 12.10 | 7.44  | 7.51  | 7.45  | 7.46  | 7.44  |





**Summary of Tablet Tilt Angle Influence to Proximity Sensor Triggering (Left)**

| Antenna     | Minimum trigger distance measured according to KDB 616217 §6.2 | Minimum distance at which power reduction was maintained over +/-45° | Power reduction status |      |      |      |      |    |     |     |     |     |     |
|-------------|----------------------------------------------------------------|----------------------------------------------------------------------|------------------------|------|------|------|------|----|-----|-----|-----|-----|-----|
|             |                                                                |                                                                      | -45°                   | -40° | -30° | -20° | -10° | 0° | 10° | 20° | 30° | 40° | 45° |
| WiFi 1 Ant. | 20 mm                                                          | 20 mm                                                                | On                     | On   | On   | On   | On   | On | On  | On  | On  | On  | On  |

**Summary of Tablet Tilt Angle Influence to Proximity Sensor Triggering (Right)**

| Antenna     | Minimum trigger distance measured according to KDB 616217 §6.2 | Minimum distance at which power reduction was maintained over +/-45° | Power reduction status |      |      |      |      |    |     |     |     |     |     |
|-------------|----------------------------------------------------------------|----------------------------------------------------------------------|------------------------|------|------|------|------|----|-----|-----|-----|-----|-----|
|             |                                                                |                                                                      | -45°                   | -40° | -30° | -20° | -10° | 0° | 10° | 20° | 30° | 40° | 45° |
| WiFi 2 Ant. | 20 mm                                                          | 20 mm                                                                | On                     | On   | On   | On   | On   | On | On  | On  | On  | On  | On  |

**G.4 Resulting test positions for SAR measurements**

| Wireless technologies | Position | §6.2 Triggering Distance | §6.3 Coverage | §6.4 Tilt Angle | Worst case distance for SAR |
|-----------------------|----------|--------------------------|---------------|-----------------|-----------------------------|
| WiFi 1 Ant.           | Rear     | 20 mm                    | N/A           | N/A             | 19 mm                       |
|                       | Top      | 23 mm                    | N/A           | 23 mm           | 22 mm                       |
|                       | Left     | 20 mm                    | N/A           | 20 mm           | 19 mm                       |
| WiFi 2 Ant.           | Rear     | 20 mm                    | N/A           | N/A             | 19 mm                       |
|                       | Top      | 23 mm                    | N/A           | 23 mm           | 22 mm                       |
|                       | Right    | 20 mm                    | N/A           | 20 mm           | 19 mm                       |

**-End-**