Appendix E. Proximity Sensor Verification

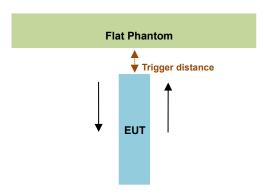
<Proximity Sensor Triggering Distance (KDB 616217 D04 section 6.2)>:

For the device is fully integrated, touch sensing capacitive sensor. It uses a charge transfer capacitive acquisition method that is capable of near range proximity detection. In this device offers a state-of-the-art capacitive sensing engine with an embedded sampling capacitor and voltage regulator allowing the overall solution cost to be reduced and improving system immunity in noisy environments.

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Proximity sensor triggering distance testing was performed according to the procedures outlined in KDB 616217 D04 section 6.2, and EUT moving further away from the flat phantom and EUT moving toward the flat phantom were both assessed. The details are illustrated as following, and the shortest triggering distances were reported and used for SAR assessment.

In the preliminary triggering distance testing, the tissue-equivalent medium for different frequency bands were used for verification; no other frequency bands tissue-equivalent medium was found to result in shortest triggering distance than that for 1900MHz, and the tissue-equivalent medium for 1900MHz was used for formal proximity sensor triggering testing.



| | Ant 1 Proximity Trigger Distance | | | | | | | | | | | |
|----------|----------------------------------|-------------|----------------|-------------|----------------|-------------|----------------|-------------|--|--|--|--|
| Position | Fro | ont | Ва | ıck | Right | Edge | Top I | Edge | | | | |
| Minimum | Moving towards | Moving away | Moving towards | Moving away | Moving towards | Moving away | Moving towards | Moving away | | | | |
| (mm) | 20 | 27 | 20 | 21 | 25 | 25 | 18 | 19 | | | | |

| | Ant 4 Proximity Trigger Distance | | | | | | | | | | |
|----------|----------------------------------|----------------|----------------|----------------|----------------|----------------|--|--|--|--|--|
| Position | Position Front Back Top Edge | | | | | | | | | | |
| Minimum | Moving towards | Moving away | Moving towards | Moving away | Moving towards | Moving away | | | | | |
| (mm) | 17 | 21 | 17 | 23 | 23 | 24 | | | | | |

<Proximity Sensor Triggering Coverage (KDB 616217 D04 section 6.3)>:

Since the antenna and sensor are collocated and all of the peak SAR location is overlapping with the sensor pad for this device, therefore, According to KDB 616217 section6.3, these procedures do not apply and are not required for this device. due to the antenna and sensor are collocated and the peak SAR location is overlapping with the sensor on this device.

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Proximity sensor power reduction in open mode

| Trans | smit Ant 1 | Transmit | t Ant 4 |
|--------------------------------------|---|-----------------------------------|---|
| Exposure Position / wireless Band | Front, Back, Right Side, Top Side ⁽¹⁾ | Exposure Position / wireless Band | Front, Back, Top Side ⁽¹⁾ |
| GSM1900 | 1.92 dB | WLAN 2.4GHz | 4.36 dB |
| WCDMA Band II | 2.88 dB | WLAN 5GHz | 0.90 dB |
| LTE Band 2 | 2.56 dB | WLAN 6GHz | 5.45 dB |
| LTE Band 7 | 2.97 dB | | |
| LTE Band 25 | 2.59 dB | | |
| LTE Band 30 | 1.25 dB | | |
| LTE Band 38 | 0.50 dB | | |
| LTE Band 38 HPUE | 0.50 dB | | |
| LTE Band 41 | 0.50 dB | | |
| LTE Band 41 HPUE | 0.50 dB | | |
| FR1 n2 | 1.28 dB | | |
| FR1 n7 | 2.38 dB | | |
| FR1 n25 | 1.29 dB | | |
| FR1 n30 | 0.76 dB | | |
| FR1 n38 | 1.87 dB | | |
| FR1 n41 | 2.17 dB | | |
| FR1 n41 HPUE | 1.21 dB | | |
| FR1 n48 | 1.34 dB | | |
| FR1 n77 270 | 2.88 dB | | |
| FR1 n77 270 HPUE | 2.03 dB | | |
| FR1 n77 27Q | 3.00 dB | | |
| FR1 n77 27Q HPUE | 2.08 dB | | |
| FR1 n78 270 | 2.78 dB | | |
| FR1 n78 270 HPUE | 2.11 dB | | |
| FR1 n78 27Q | 3.04 dB | | |
| FR1 n78 27Q HPUE | 2.03 dB | | |

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General Note:

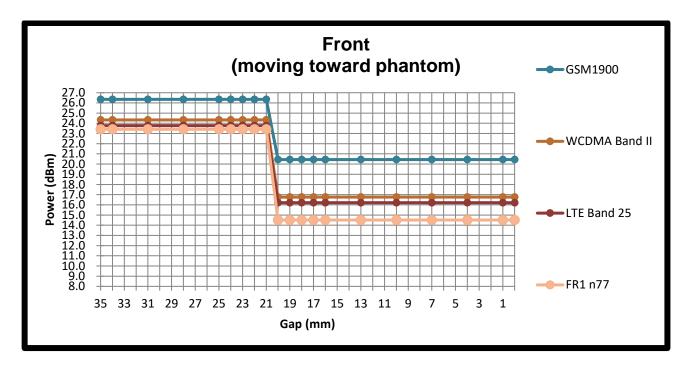
- 1. (1): Reduced maximum limit applied by activation of proximity sensor.
- 2. Tests were performed in accordance with KDB 616217 D04 section 6.1, 6.2, 6.3, 6.4 and 6.5 and compliant results are shown below
- 3. For the power verification was selected worst case power reduction level of band of each transmit antenna to verify.

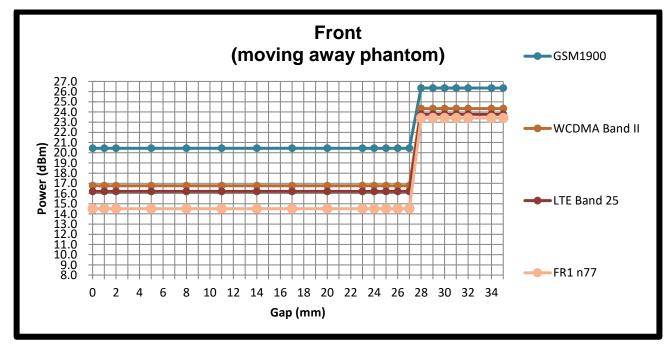
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Power Measurement during Sensor Trigger distance testing

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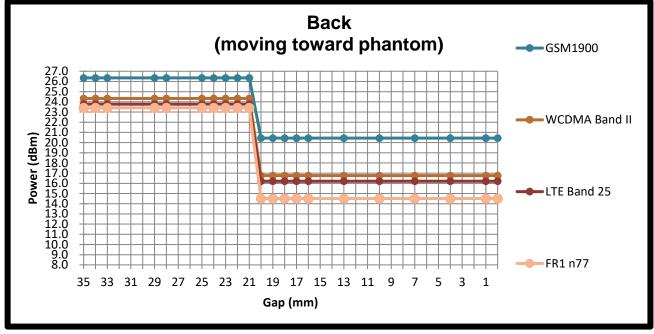
<u> Ant 1</u>





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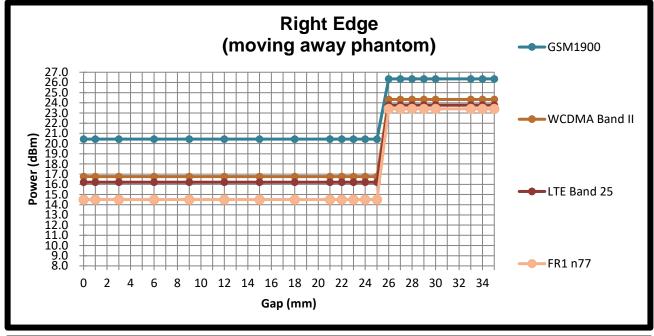


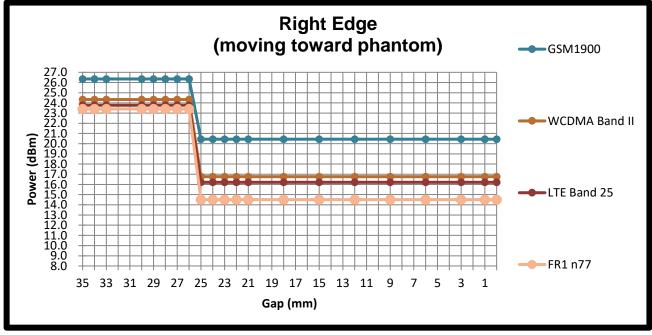




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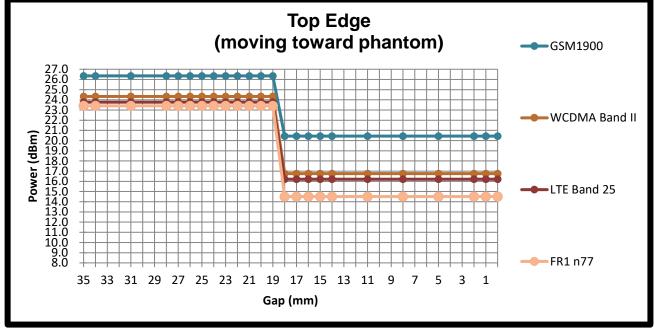


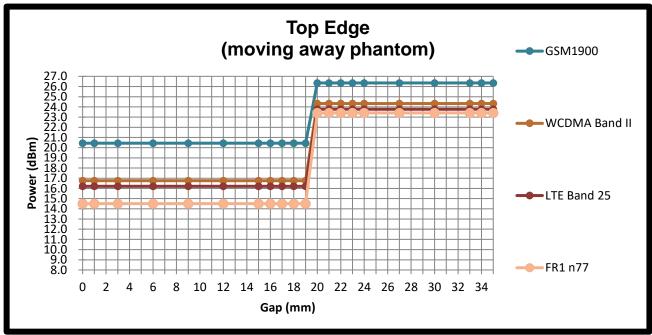




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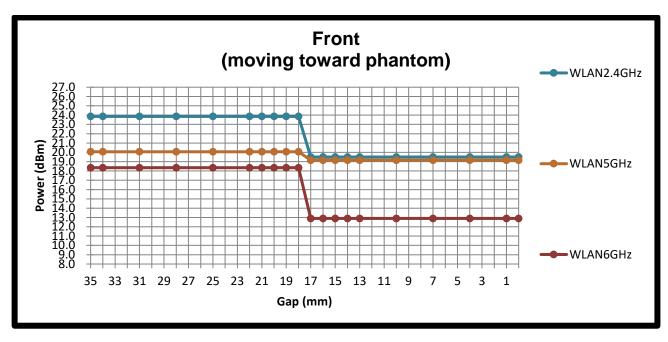


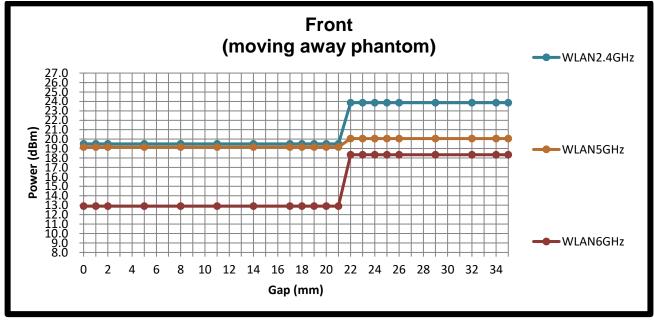


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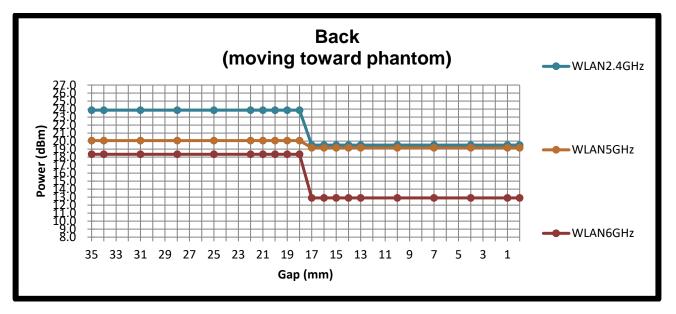
Ant 4

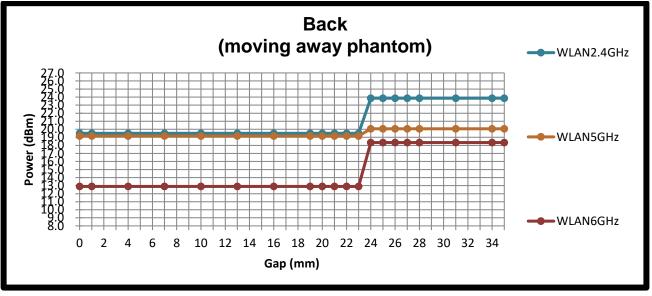




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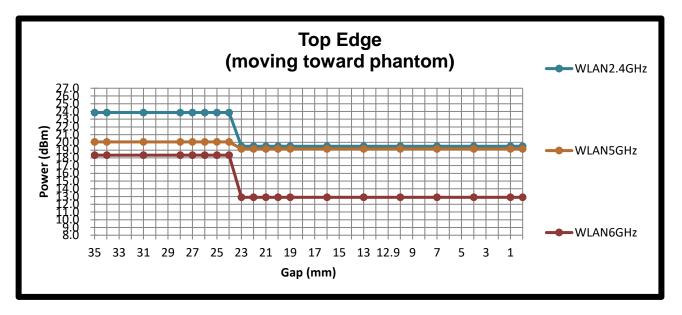


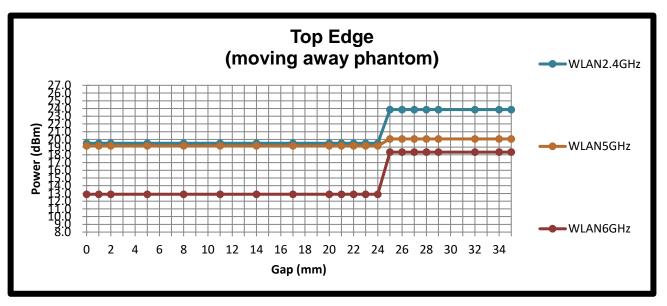




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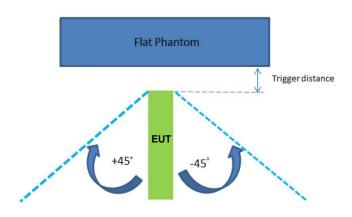


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<Tablet Tilt angle influences to proximity sensor triggering (KDB 616217 D04 section 6.4)>:

The influence of table tilt angles to proximity sensor triggering was determined by positioning each tablet edge that contains a transmitting antenna, perpendicular to the flat phantom, at above separation distance. Rotating the tablet around the edge next to the phantom in $\leq 10^{\circ}$ increments until the tablet is $\pm 45^{\circ}$ from the vertical position at 0° , and the maximum output power remains in the reduced mode.

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| | Ant 1 Proximity Trigger Distance | | | | | | | | | |
|----------|----------------------------------|------|-----|------|--|--|--|--|--|--|
| Position | Right | Edge | Тор | Edge | | | | | | |
| Minimum | +45 | -45 | +45 | -45 | | | | | | |
| (mm) | 25 | 25 | 18 | 18 | | | | | | |

| Ant 4 Proximity Trigger Distance | | | | | | | | |
|----------------------------------|-------------------|-----|--|--|--|--|--|--|
| Position | Position Top Edge | | | | | | | |
| Minimum | +45 | -45 | | | | | | |
| (mm) | 23 | 23 | | | | | | |

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<SAR measurement procedure involving proximity sensors>

Two different maximum output power levels are applied according to the triggering conditions of the proximity sensor. SAR measurements shall be performed for the two different maximum output power state and test distance combinations.

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SAR measurements at these two power and distance combinations are enough to ensure compliance for the use conditions requiring proximity sensing and power reduction at the applicable device to user distance.

 a) Full power: The smallest separation distance determined in 6.2, 6.3 and 6.4 for each triggering condition minus 1 mm should be used in the SAR measurements.

Ant 1:

Front: 19 mm Back: 19 mm Right Side: 24 mm Top Side: 17 mm

Ant 4:

Front: 16 mm Back: 16 mm Top Side: 22 mm

b) Reduced power: SAR tests shall be performed at the closest intended use distance or at the closest distance required by the regulator. SAR measurements at these two power and distance combinations are enough to ensure compliance for the use conditions requiring proximity sensing and power reduction at the applicable device to user distance.

Ant 1:

Front: 0 mm, 10 mm Back: 0 mm, 10mm Right Side: 0 mm Top Side: 0 mm

<u> Ant 4:</u>

Front: 0 mm, 10mm Back: 0 mm, 10mm Top Side: 0 mm

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Appendix E. Lid angle and power verification

General Note:

- 1. The following guidance should be applied to device that use Hall Effect or gravity sensors to detect lid angle for the purpose of power reduction:
 - Step 1: With the lid is in closed mode (0 degrees), open the screen in 10 degree steps until laptop mode is obtained

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- Step 2: Lower the screen 5 degrees. Closed mode should be reobtained. If not keep lowering in 5 degree steps
- Step 3: Open the screen in 1 degree steps until device is reobtained
- Step 4: Continue opening the screen in 1 degree steps until at least 5 degrees past where device was obtained
- Step 5: Then continue opening the screen in 10 degree steps until device is obtained
- Step 6: Power measurements should be taken at each step
- Step 7: Reverse this procedure going from device in open mode back down to device into closed mode
- 2. The bands demonstrating the worst power reduction were selected to verify power behavior and are listed below.
- 3. WWAN power behavior is verified in body-worn standalone mode, where WLAN and Bluetooth functions are disabled, and the motion and proximity sensors are active. The verification focuses on observing the WWAN power state transition between index 5 (closed mode) and index 10 (open mode) in response to lid angle changes.
- 4. WLAN power behavior is verified in body-worn standalone mode, where the WWAN function is disabled and the motion and proximity sensors are active. The verification focuses on observing the WLAN power state transition between index 3 (closed mode) and index 8 (open mode) in response to lid angle changes.

| Screen argle GSM GSM GSM 1900 BS B2 B2 B25 B25 B25 B25 B28 B26 B25 N25 N25 N25 N25 N25 N25 N25 N26 | | | | | | | Lid ar | ngle verifi | cation be | tween clo | ose mode | an oper | n mode | | | | | | |
|--|-------------------|------|-------|-------|-------|-------|--------|-------------|-----------|-----------|----------|---------|--------|-------|-------|-------|-------|-------|-------|
| Band | | Wire | eless | | GSM | | | WCDMA | | | | LTE | | | | | FR1 | | |
| Screen angle Sand | | Ante | enna | Ant 0 | Ant 1 | Ant 2 | Ant 0 | Ant 2 | Ant 1 | Ant 5 | Ant 0 | Ant 2 | Ant 6 | Ant 1 | Ant 5 | Ant 0 | Ant 2 | Ant 1 | Ant 6 |
| Screen angle (degree) v.s. power of the content of | | Ва | ınd | | | | B5 | B2 | B2 | B25 | B25 | B25 | B48 | B25 | N25 | N25 | N25 | N25 | N48 |
| Screen angle Part | | | 0 | | | | 24.70 | 10.02 | 22.72 | 22.42 | 10.26 | 10.45 | 22.04 | 22.75 | 22.56 | 10.00 | 17.66 | 22.24 | 20.50 |
| Screen angle (degree) V.S. power mode (by P. | | | | | | | | | | | | | | | | | | | |
| Screen angle (degree) 7.5 Screen angle (degree) 7.5 Power Soroes and Soroes | | | | | | | | | | | | | | | | | | | |
| Screen angle (degree) Series Seri | | | | | | | | | | | | | | | | | | | |
| Screen angle (degree) v.s. power 10 | | | | | | | | | | | | | | | | | | | |
| Screen angle (organic) y.s. power Note of the power of t | | | | | | | | | | | 1 | | | | | | | | |
| Screen angle (degree) V.S. power Pow | | | | | | | | | | | | | | | | | | | |
| Screen angle (degree) V.S. power Pow | | | | | | | | | | | | | | | | | | | |
| Screen angle (degree) V.S. power Mode 10 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 19.5 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 19.5 19.5 19.5 19.5 19.5 19.5 19.5 | | | | | | | | | | | | | | | | | | | |
| Screen angle (degree) V.S. power 15 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 | | | | | | | | | | | | | | | | | | | |
| Screen angle (degree) V.S. power Pow | | | | | | | | | | | | | | | | | | | |
| Screen angle (degree) v.s. power Close 30 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 | | | | | | | | | | | | | | | | | | | |
| Screen angle (degree) v.s. power 50 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 | | 01 | | | | | | | | | | | | | | | | | |
| Angle (degree) V.S. power 10 | | | | | | | | | | | | | | | | | | | |
| Cledred Mode Figure Color Figure Cledred C | angle (degree) | | | | | | | | | | | | | | | | | | |
| V.S. power 70 | | | | | | | | | | | | | | | | | | | |
| 80 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 100 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 110 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 120 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 120 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 130 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 140 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 150 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 150 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 160 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 160 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 160 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18. | | mode | | | | | | | | | | | | | | | | | |
| 90 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 110 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 120 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 130 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 130 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 140 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 150 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 150 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 160 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 160 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 160 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 170 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18. | power | | | | | | | | | | | | | | | | | | |
| 100 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 110 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 120 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 130 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 140 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 150 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 150 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 160 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 160 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 170 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 | | | | | | | | | | | | | | | | | | | |
| 110 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 120 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 130 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 140 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 150 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 160 29.35 23.6 20.46 24.79 18.22 21.25 22.88 | | | | | | | | | | | | | | | | | | | |
| 120 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 130 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 140 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 150 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 160 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 170 29.35 23.6 20.46 24.79 18.22 21.25 22.88 | | | | | | | | | | | | | | | | | | | |
| 130 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 140 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 150 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 160 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 170 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 18.0 20.4 20.4 20.4 20.4 20.4 20.4 20.4 20 | | | | | | | | | | | | | | | | | | | |
| 140 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 150 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 160 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 170 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 | | | | | | | | | | | | | | | | | | | 19.52 |
| 150 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 160 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 170 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 20.4 | | | | | | | | | | | | | | | | | | | |
| 160 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 170 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 | | | | | | | | | | | | | | | | | | | |
| 170 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 | | | | | | | | | | | | | | | | | | | 19.52 |
| 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 | | | | | | | | | | | | | | | | | | | 19.52 |
| 180 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 | | | | | | | | | | | | | | | | | | | 19.52 |
| | | | 180 | | 23.6 | 20.46 | 24.79 | 18.22 | | | 19.68 | | | | | 18.76 | | 21.27 | 19.52 |
| Open 470 20.25 22.6 20.46 24.70 40.22 24.25 22.00 40.60 47.22 24.02 20.44 22.05 42.76 47.42 24.27 19.5 | | | 180 | 29.35 | 23.6 | 20.46 | 24.79 | 18.22 | 21.25 | 22.88 | 19.68 | 17.23 | 21.93 | 20.41 | 22.85 | 18.76 | 17.42 | 21.27 | 19.52 |
| 37 2010 2010 2010 2010 2010 2010 2010 201 | | Open | 170 | 29.35 | 23.6 | 20.46 | 24.79 | 18.22 | 21.25 | 22.88 | 19.68 | 17.23 | 21.93 | 20.41 | 22.85 | 18.76 | 17.42 | 21.27 | 19.52 |
| to to the state of | | | 160 | 29.35 | 23.6 | 20.46 | 24.79 | 18.22 | 21.25 | 22.88 | 19.68 | 17.23 | 21.93 | 20.41 | 22.85 | 18.76 | 17.42 | 21.27 | 19.52 |
| close 150 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.50 | | | 150 | 29.35 | 23.6 | 20.46 | 24.79 | 18.22 | 21.25 | 22.88 | 19.68 | 17.23 | 21.93 | 20.41 | 22.85 | 18.76 | 17.42 | 21.27 | 19.52 |
| | | mode | 140 | 29.35 | 23.6 | 20.46 | 24.79 | | 21.25 | 22.88 | 19.68 | 17.23 | 21.93 | | 22.85 | 18.76 | | | 19.52 |
| 130 29.35 23.6 20.46 24.79 18.22 21.25 22.88 19.68 17.23 21.93 20.41 22.85 18.76 17.42 21.27 19.5 | | | 130 | 29.35 | 23.6 | 20.46 | 24.79 | 18.22 | 21.25 | 22.88 | 19.68 | 17.23 | 21.93 | 20.41 | 22.85 | 18.76 | 17.42 | 21.27 | 19.52 |

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| | 120 | 29.35 | 23.6 | 20.46 | 24.79 | 18.22 | 21.25 | 22.88 | 19.68 | 17.23 | 21.93 | 20.41 | 22.85 | 18.76 | 17.42 | 21.27 | 19.52 |
|--|-----|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 110 | 29.35 | 23.6 | 20.46 | 24.79 | 18.22 | 21.25 | 22.88 | 19.68 | 17.23 | 21.93 | 20.41 | 22.85 | 18.76 | 17.42 | 21.27 | 19.52 |
| | 100 | 29.35 | 23.6 | 20.46 | 24.79 | 18.22 | 21.25 | 22.88 | 19.68 | 17.23 | 21.93 | 20.41 | 22.85 | 18.76 | 17.42 | 21.27 | 19.52 |
| | 90 | 29.35 | 23.6 | 20.46 | 24.79 | 18.22 | 21.25 | 22.88 | 19.68 | 17.23 | 21.93 | 20.41 | 22.85 | 18.76 | 17.42 | 21.27 | 19.52 |
| | 80 | 29.35 | 23.6 | 20.46 | 24.79 | 18.22 | 21.25 | 22.88 | 19.68 | 17.23 | 21.93 | 20.41 | 22.85 | 18.76 | 17.42 | 21.27 | 19.52 |
| | 70 | 29.35 | 23.6 | 20.46 | 24.79 | 18.22 | 21.25 | 22.88 | 19.68 | 17.23 | 21.93 | 20.41 | 22.85 | 18.76 | 17.42 | 21.27 | 19.52 |
| | 60 | 29.35 | 23.6 | 20.46 | 24.79 | 18.22 | 21.25 | 22.88 | 19.68 | 17.23 | 21.93 | 20.41 | 22.85 | 18.76 | 17.42 | 21.27 | 19.52 |
| | 50 | 29.35 | 23.6 | 20.46 | 24.79 | 18.22 | 21.25 | 22.88 | 19.68 | 17.23 | 21.93 | 20.41 | 22.85 | 18.76 | 17.42 | 21.27 | 19.52 |
| | 40 | 29.35 | 23.6 | 20.46 | 24.79 | 18.22 | 21.25 | 22.88 | 19.68 | 17.23 | 21.93 | 20.41 | 22.85 | 18.76 | 17.42 | 21.27 | 19.52 |
| | 30 | 29.35 | 23.6 | 20.46 | 24.79 | 18.22 | 21.25 | 22.88 | 19.68 | 17.23 | 21.93 | 20.41 | 22.85 | 18.76 | 17.42 | 21.27 | 19.52 |
| | 20 | 29.35 | 23.6 | 20.46 | 24.79 | 18.22 | 21.25 | 22.88 | 19.68 | 17.23 | 21.93 | 20.41 | 22.85 | 18.76 | 17.42 | 21.27 | 19.52 |
| | 10 | 29.35 | 23.6 | 20.46 | 24.79 | 18.22 | 21.25 | 22.88 | 19.68 | 17.23 | 21.93 | 20.41 | 22.85 | 18.76 | 17.42 | 21.27 | 19.52 |
| | 9 | 29.35 | 23.6 | 20.46 | 24.79 | 18.22 | 21.25 | 22.88 | 19.68 | 17.23 | 21.93 | 20.41 | 22.85 | 18.76 | 17.42 | 21.27 | 19.52 |
| | 8 | 29.35 | 23.6 | 20.46 | 24.79 | 18.22 | 21.25 | 22.88 | 19.68 | 17.23 | 21.93 | 20.41 | 22.85 | 18.76 | 17.42 | 21.27 | 19.52 |
| | 7 | 29.35 | 23.6 | 20.46 | 24.79 | 18.22 | 21.25 | 22.88 | 19.68 | 17.23 | 21.93 | 20.41 | 22.85 | 18.76 | 17.42 | 21.27 | 19.52 |
| | 6 | 29.35 | 23.6 | 20.46 | 24.79 | 18.22 | 21.25 | 22.88 | 19.68 | 17.23 | 21.93 | 20.41 | 22.85 | 18.76 | 17.42 | 21.27 | 19.52 |
| | 5 | 28.12 | 25.6 | 21.14 | 24.79 | 19.03 | 22.72 | 23.42 | 19.36 | 18.45 | 23.84 | 22.75 | 23.56 | 19.09 | 17.66 | 23.34 | 20.58 |
| | 4 | 28.12 | 25.6 | 21.14 | 24.79 | 19.03 | 22.72 | 23.42 | 19.36 | 18.45 | 23.84 | 22.75 | 23.56 | 19.09 | 17.66 | 23.34 | 20.58 |
| | 3 | 28.12 | 25.6 | 21.14 | 24.79 | 19.03 | 22.72 | 23.42 | 19.36 | 18.45 | 23.84 | 22.75 | 23.56 | 19.09 | 17.66 | 23.34 | 20.58 |
| | 2 | 28.12 | 25.6 | 21.14 | 24.79 | 19.03 | 22.72 | 23.42 | 19.36 | 18.45 | 23.84 | 22.75 | 23.56 | 19.09 | 17.66 | 23.34 | 20.58 |
| | 1 | 28.12 | 25.6 | 21.14 | 24.79 | 19.03 | 22.72 | 23.42 | 19.36 | 18.45 | 23.84 | 22.75 | 23.56 | 19.09 | 17.66 | 23.34 | 20.58 |
| | 0 | 28.12 | 25.6 | 21.14 | 24.79 | 19.03 | 22.72 | 23.42 | 19.36 | 18.45 | 23.84 | 22.75 | 23.56 | 19.09 | 17.66 | 23.34 | 20.58 |

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| | | | ingle verification between clos | • | | |
|--------------------------|---------------|----------|---------------------------------|-------------|-------------|-------------|
| | | Wireless | WLAN | | | N Ant 4 |
| | | Band | 2.4GHz WLAN | 5.2GHz WLAN | 2.4GHz WLAN | 5.2GHz WLAN |
| | | 0 | 17.95 | 17.06 | 18.25 | 17.04 |
| | | 6 | 17.95 | 17.06 | 18.25 | 17.04 |
| | | 7 | 17.95 | 17.06 | 18.25 | 17.04 |
| | | 8 | 17.95 | 17.06 | 18.25 | 17.04 |
| | | 9 | 17.95 | 17.06 | 18.25 | 17.04 |
| | | 10 | 17.95 | 17.06 | 18.25 | 17.04 |
| | | 11 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 12 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 13 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 14 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 15 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 20 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 30 | 20.00 | 17.06 | 19.98 | 17.04 |
| | Close mode to | 40 | 20.00 | 17.06 | 19.98 | 17.04 |
| | open mode | 50 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 60 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 70 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | | 20.00 | 17.06 | 19.98 | 17.04 |
| | | | | 17.06 | 19.98 | |
| | | 90 | 20.00 | | | 17.04 |
| | | 100 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 110 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 120 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 130 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 140 | 20.00 | 17.06 | 19.98 | 17.04 |
| Screen angle (degree) | | 150 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 160 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 170 | 20.00 | 17.06 | 19.98 | 17.04 |
| V.S. | | 180 | 20.00 | 17.06 | 19.98 | 17.04 |
| power | | 180 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 170 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 160 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 150 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 140 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 130 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 120 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 110 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 100 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | | | 17.06 | 19.98 | |
| | | 90 80 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 70 | 20.00 | | | 17.04 |
| | | 60 | 20.00 | 17.06 | 19.98 | 17.04 |
| | Open mode to | 50 | 20.00 | 17.06 | 19.98 | 17.04 |
| | close mode | 40 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 30 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 20 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 10 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 9 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 8 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 7 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 6 | 20.00 | 17.06 | 19.98 | 17.04 |
| | | 5 | 17.95 | 17.06 | 18.25 | 17.04 |
| | | 4 | 17.95 | 17.06 | 18.25 | 17.04 |
| | | 3 | 17.95 | 17.06 | 18.25 | 17.04 |
| | | 2 | 17.95 | 17.06 | 18.25 | 17.04 |
| | | 1 | 17.95 | 17.06 | 18.25 | 17.04 |
| | | | | 17.06 | 18.25 | |
| | | 0 | 17.95 | 17.00 | 10.20 | 17.04 |

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Appendix E. Power reduction mechanism verification

According to the May 2017 TCBC Workshop, Demonstration of proper functioning of the detection and triggering mechanisms to support the corresponding RF exposure conditions. The verification is through a base station simulator is used to establish a conducted RF connection and monitor output power under different operating conditions related to the power reduction mechanisms. Detail of power reduction mechanisms referring to Operational Description.

1. Power verification introduction

 This device supports the manufacturer's proprietary power reduction mechanisms for cellular and Wi-Fi transmitters. Further details of the specific mechanisms for the power reduction mechanism can be found in the Operational Description

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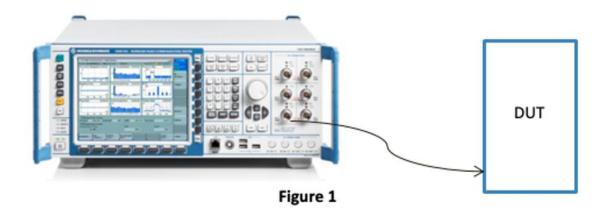
- To demonstrate the proper functioning of the detection and triggering mechanisms under corresponding RF exposure conditions, the verification plan includes measuring the output power levels of both the cellular and Wi-Fi transmitters across different operating scenarios related to the power reduction mechanisms.
- The device integrates WWAN and WLAN Transmit Antenna Selection (TAS) algorithms, which dynamically adjust transmission power in real-time to comply with ISED time-averaged RF exposure limits. However, for power reduction mechanism validation, real-time TX power variation was disabled to ensure consistent monitoring of output power. A fixed output power level was used to accurately assess the effectiveness of the power reduction mechanisms.
- For testing purposes, the device was measured against each Index supported for the cellular and Wi-Fi technologies. The target power level and measured power levels are detailed in the following table and clearly shows that each power reduction mechanism operates as expected.

2. Power verification procedure

- Verification is performed using a base station simulator to establish a conducted RF connection and record output power under various operating conditions associated with the power reduction mechanisms.
- Power reduction verification for Wi-Fi is conducted with cellular transmitters both active and inactive. Similarly, verification for cellular transmitters is performed with Wi-Fi transmitters both active and inactive.
- Verification of the RCV mechanism is performed by establishing a voice call and routing audio through the earpiece to measure output power under head SAR conditions.
- Hotspot power reduction is verified by establishing a data connection and enabling the hotspot feature, during which output power is recorded under the hotspot operating condition.
- Verification of the Body Detector mechanism is conducted by establishing a data connection and recording output power under the body-worn operating condition.
 - > On a stationary object (placed on a table)
 - > In-hand or on knee
 - > Body detect and monitor period validation
 - Proximity sensor detect mechanism only for Ant 1 and Ant 4
 - Proximity sensor Detect mechanism was performed for the in-hand to trigger body detection and hand close to the Ant 1 and Ant 4 within proximity sensor detect range, to trigger power reduction is when body detect and proximity sensor detect are triggered simultaneously.

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3. Test setup for conducted power measurement



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4. Verification output Power Results

Head exposure conditions

| Close | Mode | | Output Power | for Voice Call | | | |
|---------------------|----------------|-------------------|--------------------|-------------------|--------------------|--|--|
| Ear acoustic o | output Status: | | ON | ON | | | |
| WiFi S | Status: | | OFF | ON | | | |
| Power | · state | WW | AN Index 2 | 1AWW | N Index 3 | | |
| Wireless technology | Antenna | Measured (dBm) | Max. Tune-up (dBm) | Measured (dBm) | Max. Tune-up (dBm) | | |
| GSM850 (Voice) | Ant 0 | 32.60 | 33.50 | 32.56 | 33.50 | | |
| GSIVIOSU (VOICE) | Ant 1 | 31.12 | 32.70 | 31.01 | 32.00 | | |
| LIMTO David 5 | Ant 0 | 24.75 | 25.00 | 24.68 | 25.00 | | |
| UMTS Band 5 | Ant 1 | 20.19 | 21.70 | 20.11 | 21.00 | | |
| LTE D 4 CC (EDD) | Ant 2 | 23.50 | 25.00 | 23.52 | 25.00 | | |
| LTE Band 66 (FDD) | Ant 1 | 21.45 | 21.70 | 20.71 | 21.00 | | |
| LTE D 4 00 (EDD) | Ant 0 | 23.80 | 25.30 | 23.79 | 25.30 | | |
| LTE Band 26 (FDD) | Ant 1 | 22.87 | 24.00 | 22.15 | 23.30 | | |
| LTE Band 48 (TDD) | Ant 6 | 23.70 | 24.50 | 23.60 | 24.50 | | |
| LTE Ballu 46 (TDD) | Ant 1 | 16.21 | 18.20 | 15.60 | 17.50 | | |
| ND CACC | Ant 2 | 23.50 | 25.00 | 23.50 | 25.00 | | |
| NR SA n66 | Ant 1 | 20.63 | 21.30 | 19.89 | 20.60 | | |

| Close Mode | | | Output Power fo | or Voice Call | | |
|----------------------------|---------------|-------------------|-----------------------|-------------------|-----------------------|--|
| Ear acoustic output | Status: | ON | | ON | | |
| WWAN Statu | s: | OFF | | ON | | |
| Power state | | WIFI Ind | ex 1 | WIFI Inc | dex 2 | |
| Wireless technology | Antenna | Measured (dBm) | Max. Tune-up (dBm) | Measured (dBm) | Max. Tune-up (dBm) | |
| WiFi 802.11g CH6 | (Ant4+3)Ant 3 | 21.63 | 22.00 | 16.04 | 17.00 | |
| WIFI 602. HIS CHO | (Ant4+3)Ant 4 | 21.31 | 22.00 | 16.05 | 17.00 | |
| WiFi 802.11a 6Mbps CH40 | (Ant4+3)Ant 3 | 13.53 | 15.50 | 11.51 | 13.50 | |
| WIFT 602. TTA GIVIDPS CH40 | (Ant4+3)Ant 4 | 13.51 | 15.50 | 11.50 | 13.50 | |

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Hotspot exposure condition

| Close Mo | ode | | Output Power for da | ata connection | | |
|---------------------|---------------|-------------------|--------------------------|-------------------|-------------------------|--|
| Wifi Hotspot | Status | | ON | OFF ON | | |
| BT Hotspot | Status | | OFF | | | |
| Power st | ate | | AN Index 4 FI Index 4 | | AN Index 4 I Index 4 | |
| Wireless Technology | Antenna | Measured (dBm) | Max. Tune-up (dBm) | Measured (dBm) | Max. Tune-up (dBm) | |
| <u></u> | Ant 0 | 27.24 | 28.20 | 27.22 | 28.20 | |
| GSM850 (4TX) | Ant 1 | 29.34 | 30.50 | 29.29 | 30.50 | |
| | Ant 2 | 17.52 | 18.50 | 17.55 | 18.50 | |
| UMTS Band 2 | Ant 1 | 21.22 | 22.20 | 21.19 | 22.20 | |
| LTE D | Ant 2 | 16.79 | 18.10 | 16.77 | 18.10 | |
| LTE Band 25 (FDD) | Ant 1 | 21.80 | 23.60 | 21.70 | 23.60 | |
| LTE D . 17 (FDD) | Ant 2 | 16.98 | 17.80 | 16.95 | 17.80 | |
| LTE Band 7 (FDD) | Ant 1 | 21.90 | 23.30 | 21.90 | 23.30 | |
| LTE D1 00 (TDD) | Ant 2 | 18.91 | 19.60 | 18.92 | 19.60 | |
| LTE Band 38 (TDD) | Ant 1 | 23.92 | 25.00 | 23.92 | 25.00 | |
| ND OA 7 | Ant 2 | 17.32 | 18.10 | 17.32 | 18.10 | |
| NR SA n7 | Ant 1 | 22.01 | 22.90 | 21.87 | 22.90 | |
| WiFi 802.11b CH6 | (Ant4+3)Ant 3 | 13.01 | 14.50 | | | |
| WIFI 602. HD CHO | (Ant4+3)Ant 4 | 13.04 | 14.50 | | | |
| WiFi 802.11a | (Ant4+3)Ant 3 | 17.07 | 19.50 | | | |
| UNII ,CH40 | (Ant4+3)Ant 4 | 17.08 | 19.50 | | | |

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Body worn exposure condition

| Class M | امعام | | | Output Power (| data connection) | | | | |
|------------------------|---------|-------------------|-----------------------|---------------------|-----------------------|-------------------|-----------------------|--|--|
| Close M | lode | Stati | onary | Body Worn (In hand) | | | | | |
| WIFI/BT S | Status | 0 | FF | 0 | FF | ON | | | |
| Power s | tate | WWAN | Index 1 | WWAN | I Index 5 | MWAN | I Index 6 | | |
| Wireless Technology | Antenna | Measured (dBm) | Max. Tune-up (dBm) | Measured (dBm) | Max. Tune-up (dBm) | Measured (dBm) | Max. Tune-up (dBm) | | |
| CCM4000 (4TV) | Ant 2 | 25.85 | 27.50 | 20.16 | 21.60 | 19.43 | 20.90 | | |
| GSM1900 (4TX) | Ant 1 | 25.50 | 27.50 | 25.50 | 27.50 | 25.50 | 27.50 | | |
| LIMTO Decida | Ant 2 | 24.10 | 25.00 | 18.18 | 19.20 | 17.48 | 18.50 | | |
| UMTS Band 4 | Ant 1 | 23.98 | 25.00 | 23.96 | 25.00 | 23.97 | 25.00 | | |
| LTE Band 66 | Ant 2 | 24.00 | 25.00 | 18.11 | 19.10 | 17.41 | 18.40 | | |
| (FDD) | Ant 1 | 23.51 | 25.00 | 23.51 | 25.00 | 23.51 | 25.00 | | |
| LTC D17 (CDD) | Ant 2 | 24.15 | 25.00 | 17.66 | 18.50 | 17.01 | 17.80 | | |
| LTE Band 7 (FDD) | Ant 1 | 23.58 | 25.00 | 22.59 | 24.00 | 21.90 | 23.30 | | |
| LTE Band | Ant 2 | 24.34 | 25.00 | 20.19 | 20.90 | 19.50 | 20.20 | | |
| 38(TDD) | Ant 1 | 23.92 | 25.00 | 23.92 | 25.00 | 23.92 | 25.00 | | |
| ND CA w7 | Ant 2 | 24.32 | 25.10 | 18.31 | 19.10 | 17.55 | 18.40 | | |
| NR SA n7 | Ant 1 | 24.31 | 25.10 | 22.78 | 23.60 | 22.07 | 22.90 | | |

| Close | Mode | | | Output Power (d | data connection) | | | |
|--------------|---------------|--------------|--------------|-----------------|------------------|--------------|-----------------------|--|
| Close | Wode | Station | onary | | In h | and | | |
| WWAN | l Status: | 0 | FF | 0 | FF | C | N | |
| Powe | r state | WIFI Index 0 | | WIFI I | ndex 3 | WIFI Index 4 | | |
| Wireless | Antenna | Measured | Max. Tune-up | Measured | Max. Tune-up | Measured | Max. Tune-up (dBm) | |
| technology | | (dBm) | (dBm) | (dBm) | (dBm) | (dBm) | | |
| WiFi 802.11g | (Ant4+3)Ant 3 | 21.92 | 22.00 | 15.95 | 17.00 | 14.49 | 14.50 | |
| CH6 | (Ant4+3)Ant 4 | 21.13 | 22.00 | 16.25 | 17.00 | 14.50 | 14.50 | |
| WiFi 802.11a | (Ant4+3)Ant 3 | 17.06 | 19.00 | 17.06 | 19.00 | 17.06 | 19.00 | |
| UNII ,CH56 | (Ant4+3)Ant 4 | 17.04 | 19.00 | 17.04 | 19.00 | 17.04 | 19.00 | |

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Head exposure conditions

| Open | Mode | | Output Power | for Voice Call | | | |
|-----------------------|----------------|-------------------|--------------------|-------------------|--------------------|--|--|
| Ear acoustic of | output Status: | | ON | (| ON | | |
| WiFi S | Status: | | OFF | ON | | | |
| Power | · state | 1AWW | N Index 7/8 | WWAN | Index 7/8 | | |
| Wireless technology | Antenna | Measured (dBm) | Max. Tune-up (dBm) | Measured (dBm) | Max. Tune-up (dBm) | | |
| GSM1900 (1TX) | Ant 2 | 29.75 | 30.50 | 29.73 | 30.50 | | |
| GSW1900 (11X) | Ant 1 | 25.40 | 27.40 | 25.24 | 26.70 | | |
| UMTS Band 2 | Ant 2 | 24.06 | 25.00 | 24.11 | 25.00 | | |
| OWITS Band 2 | Ant 1 | 15.86 | 17.50 | 15.89 | 16.80 | | |
| LTC Dand OF (CDD) | Ant 2 | 24.28 | 25.00 | 24.15 | 25.00 | | |
| LTE Band 25 (FDD) | Ant 1 | 15.21 | 17.20 | 15.21 | 16.50 | | |
| LTE D - : - 1.7 (EDD) | Ant 2 | 24.80 | 25.00 | 24.77 | 25.00 | | |
| LTE Band 7 (FDD) | Ant 1 | 16.80 | 18.40 | 16.77 | 17.70 | | |
| LTE Band 38 (TDD) | Ant 2 | 24.72 | 25.00 | 24.64 | 25.00 | | |
| LTL Danu 36 (TDD) | Ant 1 | 19.21 | 20.50 | 19.10 | 19.80 | | |
| NR SA n7 | Ant 2 | 24.48 | 25.10 | 24.30 | 25.10 | | |
| NR SA N | Ant 1 | 16.66 | 17.70 | 16.50 | 17.00 | | |

| Open Mode | e | | Output Power fo | or Voice Call | | |
|---------------------|---------------|-------------------|-----------------------|-------------------|-----------------------|--|
| Ear acoustic outpu | t Status: | ON | | ON | | |
| WWAN Statu | ıs: | OFF | | ON | | |
| Power state | е | WIFI Ind | ex 5 | WIFI Index 5 | | |
| Wireless technology | Antenna | Measured (dBm) | Max. Tune-up (dBm) | Measured (dBm) | Max. Tune-up (dBm) | |
| WiFi 802.11g | (Ant4+3)Ant 3 | 6.02 | 6.50 | 6.35 | 6.50 | |
| CH6 | (Ant4+3)Ant 4 | 6.01 | 6.50 | 6.33 | 6.50 | |
| WiFi 802.11a 6Mbps | (Ant4+3)Ant 3 | 6.03 | 8.00 | 6.13 | 8.00 | |
| UNII CH44 | (Ant4+3)Ant 4 | 6.04 | 8.00 | 6.02 | 8.00 | |

Hotspot exposure condition

| Open Mo | ode | | Output Power for d | ata connection | |
|---------------------|---------------|-------------------|-------------------------|-------------------|--------------------------|
| Wifi Hotspot | Status | | ON | | OFF |
| BT Hotspot | Status | | OFF | | ON |
| Power st | ate | | AN Index 9 I Index 9 | | AN Index 9 FI Index 9 |
| Wireless Technology | Antenna | Measured (dBm) | Max. Tune-up (dBm) | Measured (dBm) | Max. Tune-up (dBm) |
| | Ant 2 | 18.37 | 20.30 | 18.37 | 20.30 |
| GSM1900 (4TX) | Ant 1 | 21.21 | 23.20 | 21.21 | 23.20 |
| | Ant 2 | 16.36 | 17.30 | 16.33 | 17.30 |
| UMTS Band 2 | Ant 1 | 19.18 | 20.10 | 19.13 | 20.10 |
| LTE D (EDD) | Ant 2 | 16.16 | 17.50 | 16.18 | 17.50 |
| LTE Band 25 (FDD) | Ant 1 | 17.94 | 19.80 | 17.95 | 19.80 |
| LTE D 1.7 (EDD) | Ant 2 | 18.04 | 18.90 | 18.04 | 18.90 |
| LTE Band 7 (FDD) | Ant 1 | 20.00 | 21.30 | 20.00 | 21.30 |
| LTE Bond 20 (TDD) | Ant 2 | 19.20 | 19.90 | 19.20 | 19.90 |
| LTE Band 38 (TDD) | Ant 1 | 23.33 | 24.40 | 23.33 | 24.40 |
| ND CA OF | Ant 2 | 16.81 | 18.10 | 16.81 | 18.10 |
| NR SA n25 | Ant 1 | 20.09 | 21.50 | 20.09 | 21.50 |
| WiFi 802.11b CH6 | (Ant4+3)Ant 3 | 12.39 | 14.00 | | |
| WIFI OUZ. TID CHO | (Ant4+3)Ant 4 | 12.42 | 14.00 | | |
| W:F: 902 44 - CU44 | (Ant4+3)Ant 3 | 17.06 | 19.00 | | |
| WiFi 802.11a CH44 | (Ant4+3)Ant 4 | 17.04 | 19.00 | | |

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Body worn exposure condition

| Open Mod | la. | | | Output Power (| data connection) | | | | | |
|---------------------|---------|-------------------|-----------------------|--------------------------------------|------------------|-------------------|-----------------------|--|--|--|
| Орен Мос | ie | Statio | onary | Body Worn (In hand) | | | | | | |
| WIFI/BT Sta | itus | Ol | FF | O | FF | ON | | | | |
| Power stat | te | WWAN | Index 1 | WWAN | Index 10 | WWAN Index 11 | | | | |
| Wireless Technology | Antenna | Measured (dBm) | Max. Tune-up (dBm) | Measured Max. Tune-up (dBm) (dBm) | | Measured (dBm) | Max. Tune-up (dBm) | | | |
| GSM1900 (4TX) | Ant 2 | 25.96 | 27.50 | 19.87 | 21.20 | 19.17 | 20.50 | | | |
| UMTS Band 2 | Ant 2 | 24.11 25.00 | | 17.91 | 18.90 | 17.24 | 18.20 | | | |
| LTE Band 25(FDD) | Ant 2 | 23.63 | 25.00 | 17.07 | 18.40 | 16.32 | 17.70 | | | |
| LTE Band 7 (FDD) | Ant 2 | 24.19 | 25.00 | 19.35 | 20.20 | 18.62 | 19.50 | | | |
| LTE Band 38(TDD) | Ant 2 | 24.12 25.00 | | 17.93 | 20.70 | 17.22 | 20.00 | | | |
| NR SA n25 | Ant 2 | 23.61 | 25.00 | 17.55 18.90 | | 16.88 | 18.20 | | | |

| Open Med | la. | | | Output Power (d | data connection) | | | | |
|---------------------|---------|-------------------|-----------------------|---------------------|-----------------------|-------------------|-----------------------|--|--|
| Open Mod | ie | Statio | onary | Body Worn (In hand) | | | | | |
| WIFI/BT Status | | Ol | FF | 0 | FF | ON | | | |
| Proximity Sensor | | Ol | FF | С | N | ON | | | |
| Power state | te | WWAN Index 1 | | WWAN Index 10 | | WWAN Index 11 | | | |
| Wireless Technology | Antenna | Measured (dBm) | Max. Tune-up (dBm) | Measured (dBm) | Max. Tune-up (dBm) | Measured (dBm) | Max. Tune-up (dBm) | | |
| GSM1900 (4TX) | Ant 1 | 25.52 | 27.50 | 23.54 | 25.50 | 22.87 | 24.80 | | |
| UMTS Band 2 | Ant 1 | 24.12 | 25.00 | 21.49 | 22.40 | 20.78 | 21.70 | | |
| LTE Band 25(FDD) | Ant 1 | 23.35 | 25.00 | 20.16 | 22.00 | 19.40 | 21.30 | | |
| LTE Band 7 (FDD) | Ant 1 | 23.74 | 25.00 | 21.34 | 22.60 | 20.60 | 21.90 | | |
| LTE Band 38(TDD) | Ant 1 | 23.98 | 25.00 | 24.00 | 25.00 | 23.30 | 24.40 | | |
| NR SA n25 | Ant 1 | 23.56 | 25.00 | 21.34 | 22.90 | 20.71 | 22.20 | | |

| Open Mod | 10 | | | Output Power (| data connection) | | | | | |
|---------------------|---------|-------------------|-----------------------|---------------------|-----------------------|-------------------|-----------------------|--|--|--|
| Open woo | е | Stati | onary | Body Worn (In hand) | | | | | | |
| WIFI/BT Status | | 0 | FF | 0 | FF | ON | | | | |
| Proximity Sei | nsor | 0 | FF | 0 | FF | OFF | | | | |
| Power stat | te | WWAN Index 1 | | WWAN | Index 10 | WWAN Index 11 | | | | |
| Wireless Technology | Antenna | Measured (dBm) | Max. Tune-up (dBm) | Measured (dBm) | Max. Tune-up (dBm) | Measured (dBm) | Max. Tune-up (dBm) | | | |
| GSM1900 (4TX) | Ant 1 | 25.52 | 27.50 | 25.52 | 27.50 | 25.52 | 27.50 | | | |
| UMTS Band 2 | Ant 1 | 24.12 | 25.00 | 24.14 | 25.00 | 24.09 | 25.00 | | | |
| LTE Band 25(FDD) | Ant 1 | 23.35 | 25.00 | 23.35 | 25.00 | 23.35 | 25.00 | | | |
| LTE Band 7 (FDD) | Ant 1 | 23.74 | 25.00 | 23.74 | 25.00 | 23.74 | 25.00 | | | |
| LTE Band 38(TDD) | Ant 1 | 23.98 | 25.00 | 23.98 | 25.00 | 23.98 | 25.00 | | | |
| NR SA n25 | Ant 1 | 23.56 | 25.00 | 23.56 | 25.00 | 23.56 | 25.00 | | | |

| 0 | Mada | | | Output Power (| data connection) | | | |
|--------------|---------------|--------------|--------------|----------------|------------------|--------------|-----------------------|--|
| Open I | viode | Statio | onary | | In h | and | | |
| WWAN S | Status: | Ol | FF | 0 | FF | O | N | |
| Proximity | Sensor | Ol | FF | C | N | ON | | |
| Power | state | WIFI Index 0 | | WIFI I | ndex 8 | WIFI Index 9 | | |
| Wireless | Antenna | Measured | Max. Tune-up | Measured | Max. Tune-up | Measured | Max. Tune-up (dBm) | |
| technology | Antenna | (dBm) | (dBm) | (dBm) | (dBm) | (dBm) | | |
| WiFi 802.11g | (Ant4+3)Ant 3 | 21.99 | 22.00 | 20.00 | 20.00 | 14.00 | 14.00 | |
| CH6 | (Ant4+3)Ant 4 | 22.00 | 22.00 | 19.98 | 20.00 | 13.99 | 14.00 | |
| WiFi 802.11a | (Ant4+3)Ant 3 | 17.06 | 19.00 | 17.06 | 19.00 | 17.06 | 19.00 | |
| UNII ,CH56 | (Ant4+3)Ant 4 | 17.04 | 19.00 | 17.04 | 19.00 | 17.04 | 19.00 | |

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Output Power (data connection) Open Mode Stationary WWAN Status: OFF Proximity Sensor OFF OFF OFF Power state WIFI Index 0 WIFI Index 7 Measured Measured Max. Tune-up (dBm) Measured Max. Tune-up (dBm) Wireless technology Max. Tune-up (dBm) Antenna (dBm) (dBm) (dBm) (Ant4+3)Ant 3 21.99 22.00 20.00 20.00 14.00 14.00 WiFi 802.11g CH6 22.00 22.00 22.00 22.00 21.05 22.00 (Ant4+3)Ant 4 (Ant4+3)Ant 3 17.06 19.00 17.06 19.00 17.06 19.00 WiFi 802.11a UNII,CH56 (Ant4+3)Ant 4 17.04 19.00 17.04 19.00 17.04 19.00

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Body detect and monitor period validation

- a) Body Detect mechanism will be performed for the in-hand and on a stationary object (placed on a table).
- b) Verify the functionality of the motion sensor by measuring the output power in the following steps.

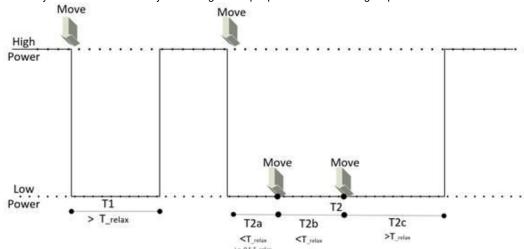


Figure 1 Illustration of the procedure for the validation of the power reduction

- 1. Placed on a table: Make the DUT transmit with the maximum output power by using a base station simulator.
 - a) Confirm that motion sensor is not triggered by letting the DUT remain stationary with no movements for the period T_{relax} for the motion sensor to reach stationary state.
 - b) Record P_{step1} (high power)
- 2. <u>In-hand:</u> Move the DUT to trigger the motion sensor. Apply the motion of the DUT with respect to movements in intended and reasonably foreseeable use conditions of the DUT.
 - c) Record P_{step2} (low power)
- 3. For the validation of T_{relax} , wait a time period $T_1 > T_{relax}$ and confirm DUT restores to high power (P_{step1}) .
- 4. Move the DUT to trigger the motion sensor.
- 5. Move DUT within T_{relax} to ensure T_{relax} resets when DUT is in motion.

DUT can be moved once or twice within $T_{\rm relax}$, (after time periods $T_{\rm 2a}$ and $T_{\rm 2b}$ in Figure 1.) followed by waiting for a time period greater than $T_{\rm relax}$ (time period $T_{\rm 2c}$ in Figure 1.) for DUT to restore high power. The total time duration of this step is $T_{\rm 2c}$, and the power during the whole period $T_{\rm 2c}$ shall be reduced (low power $-P_{\rm step2}$).

T_{relax}: 15 sec

Monitor period, T₁: 20 sec, T_{2a}: 10 sec, T_{2b}:10 sec, T_{2c}: 20 sec

| Class Ma | , do | | | Output Power (data connection) (dBm) | | | | | | | | | | |
|------------------------|------------------------------|----------|-----------------|---|-----------------|---|---------------------------|---|-------------------|---|-----------------|--------------------------------------|-----------------|--|
| Close Mo | Stationary Placed on a table | | | In hand | | Stationary Placed on a table | | In hand | | | | Stationary Placed on a table | | |
| WWAN Ind WLAN Ind | | Full Po | | Low Po | | Full Po P _{step1} ⁵ T _{rel:} | & <i>T</i> ₁ > | Low Po P _{step2} & T _{rel:} | T _{2a} < | Low Power P _{step2} & T _{2b} < T _{relax} | | P _{step1} & T ₂₀ | | |
| Wireless technology | Antenna | Measured | Max. Tune-up | Measured | Max. Tune-up | Measured | Max. Tune-up | Measured | Max. Tune-up | Measured | Max. Tune-up | Measured | Max. Tune-up | |
| GSM_1900 | Ant 2 | 25.85 | 27.50 | 20.16 | 21.60 | 25.85 | 27.50 | 20.16 | 21.60 | 20.16 | 21.60 | 25.85 | 27.50 | |
| WCDMA IV | Ant 2 | 24.10 | 25.00 | 18.18 | 19.20 | 24.10 | 25.00 | 18.18 | 19.20 | 18.18 | 19.20 | 24.10 | 25.00 | |
| LTE Band 66 | Ant 2 | 24.00 | 25.00 | 18.11 | 19.10 | 24.00 | 25.00 | 18.11 | 19.10 | 18.11 | 19.10 | 24.00 | 25.00 | |
| NR SA n7 | Ant 2 | 24.32 | 25.10 | 18.31 | 19.10 | 24.32 | 25.10 | 18.31 | 19.10 | 18.31 | 19.10 | 24.32 | 25.10 | |
| WLAN2.4G | Ant 3+4 (3) | 21.92 | 22.00 | 15.95 | 17.00 | 21.92 | 22.00 | 15.95 | 17.00 | 15.95 | 17.00 | 21.92 | 22.00 | |
| WEA112.40 | Ant 3+4 (4) | 21.13 | 22.00 | 16.25 | 17.00 | 21.13 | 22.00 | 16.25 | 17.00 | 16.25 | 17.00 | 21.13 | 22.00 | |

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| 0 M- | | | Output Power (data connection) (dBm) | | | | | | | | | | |
|-----------------------|----------------|---------------------------------|--------------------------------------|----------|-----------------|------------------------------|---|----------|---------------------------|----------------------|---|------------------------------|---------------------------|
| Open Mode | | Stationary Placed on a table | | In ha | ınd | Stationary Placed on a table | | In hand | | | | Stationary Placed on a table | |
| WWAN Inde WLAN Ind | - | Full Po | | Low Po | | P _{step1} | Full Power P _{step1} & T ₁ > P | | ower T _{2a} < | P _{step2} & | Step2 & T _{2b} < P _{step} | | ower T _{2c} > |
| Wireless technology | Antenna | Measured | Max. Tune-up | Measured | Max. Tune-up | Measured | Max. Tune-up | Measured | Max. Tune-up | Measured | Max. Tune-up | Measured | Max. Tune-up |
| GSM_1900 | Ant 2 | 25.96 | 27.50 | 19.87 | 21.20 | 25.96 | 27.50 | 19.87 | 21.20 | 19.87 | 21.20 | 25.96 | 27.50 |
| WCDMA II | Ant 2 | 24.11 | 25.00 | 17.91 | 18.90 | 24.11 | 25.00 | 17.91 | 18.90 | 17.91 | 18.90 | 24.11 | 25.00 |
| LTE Band 25 | Ant 2 | 23.63 | 25.00 | 17.07 | 18.40 | 23.63 | 25.00 | 17.07 | 18.40 | 17.07 | 18.40 | 23.63 | 25.00 |
| NR SA n7 | Ant 2 | 24.19 | 25.00 | 19.35 | 20.20 | 24.19 | 25.00 | 19.35 | 20.20 | 19.35 | 20.20 | 24.19 | 25.00 |
| WLAN5G | Ant 3+4 (3) | 17.06 | 19.00 | 17.06 | 19.00 | 17.06 | 19.00 | 17.06 | 19.00 | 17.06 | 19.00 | 17.06 | 19.00 |
| WLANSG | Ant 3+4 | 17 04 | 19 00 | 17 04 | 19 00 | 17 04 | 19 00 | 17 04 | 19 00 | 17 04 | 19 00 | 17 04 | 19 00 |

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