

FCC ID: BCG-A2771

CHECKLIST For UWB15F PAG Review	TCB Comments
1. Show that the device mode operation is permissible under the specific Part 15 subpart	This device is a smart watch is being certified under 15.519 as a Hand-Held Device. It applies as main use condition is worn on wrist where the operator can exercise control over the device (per KDB 393764 Q5). Stated in User Manual and Technical Description.
2. Specify if § 15.250 (15C) is used as alternative to §15.517 or §15.519 (15F)	§15.519 (15F) was used to comply with the requirements
3. Show that KDB 393764 Q6 is being followed	<ul style="list-style-type: none"> • The UWB application category is Hand Held Device following guidance of 15.519, indicated on pg.1 (RF UWB Test Report) • The lower and upper –10 dB frequencies (fL and fH, respectively) and the frequency of the maximum observed emission level (fM) can be found in Section 7.2 (RF UWB Test Report) • Maximum radiated emissions can be found in Section 7.6 (RF UWB Test Report) • Noise Floor reported in Section 7.6 (RF UWB Test Report) • No digital circuitry emissions exceeded the applicable UWB limits • Plots for fundamental emission & out-of-band emission can be found in Sections 7.4 & 7.6 (RF UWB Test Report) • Device does not have manual disable switch • Supporting photographs can be found in RF Test Setup Photos (15F)
4. Account for all technical requirements specific to each UWB mode of operation	§15.519(a)(1): Section 7.5 (RF UWB Test Report) shows Cease Transmission Time results to comply with the requirements.
	§15.519(a)(2): The device has an integral IFA antenna.
	§15.519(a)(3): The device is a wrist-worn multimedia device and can be used indoors or outdoors.
	§15.519(b): Section 7.2 (RF UWB Test Report), UWB bandwidth results are included and show that UWB bandwidth is contained between 3100MHz and 10600MHz.
	§15.519(c): Section 7.6 (RF UWB Test Report), the radiated emissions results are included to show compliance with the requirements.
	§15.519(d): Section 7.6 (RF UWB Test Report), shows the results to comply with the requirements.

<p>4. Account for all technical requirements specific to each UWB mode of operation</p>	<p>§15.519(e): Section 7.4 (RF UWB Test Report), the peak level of the emissions results contained within a 50 MHz bandwidth are included to show compliance with the requirements.</p> <p>§15.521(a): A2774_UserGuide confirms the understanding of these requirements.</p> <p>§15.521(b): A2774_TechDescription provides information to comply with the requirements.</p> <p>§15.521(c); (d): Sections 7.6 and 7.7 (RF UWB Test Report), show radiated emissions results to comply with the requirements.</p> <p>§15.521(e): Section 7.2 (RF UWB Test Report), UWB bandwidth results are included to comply with the requirements.</p> <p>§15.521(f): Not applicable for this device. The device is not an imaging system.</p> <p>§15.521(g): Section 7.4 (RF UWB Test Report) shows results to comply with the requirements.</p> <p>§15.521(h): Sections 7.6, 7.7 and test notes (RF UWB Test Report), show radiated emissions results to comply with the requirements.</p> <p>§15.521(i): Not applicable</p> <p>§15.521(j): Section 7.8 (RF UWB Test Report), shows results to comply with the requirements.</p>
<p>5. Verify that §15.519 devices do not utilize fixed infrastructure</p>	<p>The device is a wrist-worn multimedia device and do not employ a fixed infrastructure.</p>
<p>6. Verify that grant restrictions and notices are in accordance with specific rule part</p>	<p>Per 15.519, grant restrictions include "Antennas mounted on outdoor structures such, as antennas mounted on the outside of a building or on a telephone pole, or any fixed outdoors infrastructure are prohibited for use with this device per §15.519(a).</p>
<p>7. Verify requirements and restrictions for UWB modular approvals</p>	<p>Not applicable for this device</p>
<p>8. TCB to include §15.521(a) statement on Grant Restrictions and verify the required device/user manual for all UWB modes of operation</p>	<p>Per 15.521, grant restrictions include, "UWB devices may not be employed for the operation of toys. Operation onboard an aircraft, a ship or a satellite is prohibited per §15.521(a)." User's manual statements on page 14 for UWB were verified. User Manual also supports hand-held use case</p>