



UWB Alliance Supports European Regulatory Vision

ECC Report Completing Public Consultation Supports Potential UWB Rule Amendments

Washington D.C., 5th August 2021 – Significant progress was made in the world of ultra-wideband (UWB) technology in Europe this month with the release of results from the Public Consultation of ECC Report 327, which contains sharing and compatibility studies in preparation for an update of the UWB Rulesets in Europe.

“The industrywide support received from UWB partners boosts the accelerating adoption of UWB in the consumer market and paves the way for many new innovative UWB use cases,” commented Tim Harrington, UWB Alliance Chairman. The UWB Alliance has worked in concert with ETSI, national administrations, liaison partners and top consumer electronic companies around the globe and continues to assist in the process.

Ultra-Wideband is an ultra-low-power radio technology, operating at similar power levels as unintentional radio emissions. It broke into the mainstream in 2019 when Apple adopted it in the iPhone 11. It adds new capabilities to established wireless technologies like Bluetooth and Wi-Fi. Since then, three of the largest global smartphone manufacturers have rolled out UWB-enabled phones as well as smart-tags, smartwatches, notebooks, and smart home products. In addition, UWB has captured a great deal of public attention for high-social-value use cases such as providing next-generation COVID contact-tracing by enabling reliable distance measurement in nearly all conditions.

“Among other conclusions within the technical report, it supports the deployment of fixed outdoor UWB devices without causing interference to other technologies and devices. This will enable a range of new use cases, such as a new generation of smartphone-enabled keyless entry systems for the home and office, added Harrington.

Studies concluded 10dB of additional indoor power, which extends the range and usability of devices, is compatible with other major spectrum users. Additional power will accelerate the deployment of indoor location services for consumer and industrial use cases. Consumer applications include providing high-precision indoor GPS-like services for shopping malls. Industrial uses would extend capabilities for tracking automobiles, aircraft parts and tools during assembly, as well as augmenting safety services such as preventing collisions between people and forklift trucks.

The UWB Alliance will continue to work with ETSI and national administrations to support the introduction of these rules in the European Union. In parallel, the UWB Alliance is leading the UWB industry to start a similar process for rule updates in the US.



About UWB Alliance

UWB Alliance is an international non-profit organization headquartered in Washington D.C. dedicated to the promotion and growth of the ultrawideband (UWB) industry. The UWB Alliance promotes large-scale deployments of UWB technology by fostering the advancement of the regulatory environment for UWB technologies, providing a center of excellence for UWB education and coexistence, and promoting industry cooperation in the development of specifications and standards for interoperability.

For more information regarding the UWB Alliance, visit www.uwballiance.org





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