



News Letter

1. UWB产品FCC认证时，需要测试的技术特性可以参考的要求是什么？

Question: What technical characteristics must be measured to demonstrate ultra-wideband (UWB) device compliance to the applicable requirements specified in Part 15 Subpart F?

Answer: The general technical parameters to be measured and provided in an application for certification are listed in Sections 15.31, 15.33, 15.35(a), 15.35(b), 15.204, 15.207, and 15.521; Sections 15.509 through 15.519 apply for different types of UWB devices. The specific UWB technical characteristics that must be measured include the emission bandwidth, the average and peak power spectral density associated with the fundamental emission, and the average power spectral density associated with unwanted emissions (out-of-band and spurious domain).

2. 无线键盘作为附件的产品怎样进行SAR评估？

Question: One of our clients has a wireless keyboard that tends to be used along with iPad, as an accessory.

The product is a very low power device that must comply with FCC Part 15.249 rule.

Kindly advise if a TCB can directly certify this project (w/o SAR evaluation) or this device is to consider SAR when it works along with iPad?

Answer: Please refer to FCC KDB Publications 447498 D01 General RF Exposure Guidance v06 and 616217 D04 SAR for laptop and tablets v01r02. These publications give extensive guidance on general RF Exposure requirements and the testing of laptops/tablets. According to the KDB 447498 D01 publication, Section 6.4 (After-market Accessories) clearly identifies the requirement. When simultaneous transmission applies, all transmitter combinations must be addressed for the accessory alone and also with the accessory operating in conjunction with the host equipment.

Due to significant variations for the types of accessories and host use conditions, when the test configurations required to show compliance are unclear a KDB inquiry should be submitted to confirm the test requirements.

3. EU RED公布在OJ上的协调标准于2018年2月9日更新。

EU RED HS Listing Update An updated EU Radio Equipment Directive (RED) [list of Harmonized Standards](#) was published in the Official Journal of the European Union on 9 February 2018. You can download a free PDF at this link.



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4. KDB865664 D01中需要在报告中添加系统验证的结果。

Please note that the SAR System Validation data required by KDB865664(D01)3.3.1) is different than the SAR System Verification tests, which were correctly performed and included in the report. The System Validation test is more like an ISO/IEC 17025 requirement... please see Section 3.3.1 of the referenced KDB Publication, which states, in part, that " a tabulated summary of the system validation status, according to the validation date(s), measurement frequencies, SAR probes, calibrated signal type(s) and tissue dielectric parameters, is required in the SAR report." In the future, please begin to also include the SAR System Validation data, similar to that shown below, but specific to your own test equipment, in your SAR reports, as required.

Detailed system validation results must be maintained by each test laboratory, which are normally not required for equipment approval. Only a tabulated summary of the system validation status, according to the validation date(s), measurement frequencies, SAR probes, calibrated signal type(s) and tissue dielectric parameters, is required in the SAR report. However, when questions arise or details are required due to probe conversion linearity or other measurement concerns, the relevant system validation results may be required in SAR reports to support the measurement results for equipment approval.

5. FCC于近期更新了KDB, KDB172838& KDB711889已被KDB88861覆盖, KDB965270被KDB940660覆盖。

Publication Number	Question	Answer
888861	What are the requirements for certification of GMRS and FRS radios that operate under Part 95?	The attached document, 888861 D01 Part 95 GMRS FRS v01, provides guidance for the certification of GMRS and FRS radios under the rules in Part 95.
227764	What equipment is considered to be Industrial Scientific and Medical (ISM) subject to Part 18?	Attachment 227764 D01 ISM Equipment v01 provides guidance of the classification of ISM equipment subject to Part 18.
940660	What procedures should be used to evaluate Citizens Broadband Radio Service (CBRS) for compliance under Part 96?	Attachment 940660 D01 Part 96 CBRS Eqpt v01 provides guidance on applicable approval procedures, technical requirements, and Part 96 Citizens Broadband Radio Service (CBRS) interaction with Spectrum Access System (SAS) evaluation.
552295	What are the guidelines for providing a Contention Based Protocol (CBP) operational description, as required by Part 90Z?	Guidelines are provided in the attachment below 552295 CBP Guidance for 3650-3700 Band v03.
393764	What guidance is available for the approval of Ultra-Wide Band devices?	See attachment 393764 D01 UWB FAQ v02 for a list of frequently asked questions. This attachment is a compilation of frequently asked questions previously published in this publication and have been updated to reflect the recent changes (July 2015) in meas...