



News Letter

1. 2021年更新和发布的FCC KDB如下:

FCC has released several updated/new KDBs, following are the latest version and entries as published on the FCC website Starting from January 2021:

Publication Number	Latest version and Entries
680106	680106 D01 RF Exposure Wireless Charging Apps v03r01
901874	901874 D01 Telecom MRA v01r03
987594	987594 D01 U-NII 6GHz General Requirements v01r02 987594 D02 U-NII 6 GHz EMC Measurement v01v01 987594 D03 U-NII 6 GHz QA v01
388624	388624 D02 Pre-Approval Guidance List v17r03
285076	285076 D02 T-Coil Testing v03r01.pdf 285076 D03 HAC FAQ v01r04
789033	789033 D02 General UNII Test Procedures New Rules v02r01 updated wording in the KDB text (document 789033 D02 General UNII Test Procedures New Rules v02r01 remains unchanged)
842590	842590 D01 Upper Microwave Flexible Use Service v01r02
447498	447498 D01 General RF Exposure Guidance DR04-44307
384352	384352

2. 关于Draft KDB 447498 D01v07的说明和过渡期。

目前可以使用KDB 447498 D01v06或Draft KDB 447498 D01v07, 2022年1月1日以后提交的所有申请必须使用新版KDB 447498。

Notes to this Draft for Public Comment. The draft guidance KDB 447498 DR04 is based on the existing policies and procedures of KDB Publication 447498 D01 v06 with modifications and updates following from the rules adopted in the Second Report and Order in ET Docket No. 03-137 (FCC 19-126; paras. 17 to 118 and Appendix A; 34 FCC Rcd 11697-11742 and 11762-11781). The effective date for the rule changes in §§ 1.1307, 2.1091, and 2.1093 per FCC 19-126 is May 3, 2021, as stated in Public Notice DA 21-363 (Apr. 2, 2021). Modifications to various other rules adopted in FCC 19-126 went into effect on June 1, 2020. Existing equipment authorizations remain valid and do not require specific modifications further to the FCC 19-126 rule changes. Certification applications for new and modified equipment must follow the most recent equipment authorization policies and procedures in effect at the time of the application. This document is not related to the rulemaking in ET Docket



News Letter

No. 19-226 (Notice of Proposed Rulemaking (NPRM) FCC 19-126, paras. 119 to 147 and Appendix B; 34 FCC Rcd 11742- 11756 and 11782-11788). Comments on the proposed rulemaking topics should be filed directly using the FCC Electronic Comment Filing System (ECFS; <https://www.fcc.gov/ecfs/>).

Transition Period. The new version – 447498 D01 General RF Exposure Guidance v07 – of the attached document is part of the revised KDB RF exposure procedures and policies. KDB 447498 v07 can be used starting immediately after the review process for KDB 447498 DR04 completes and the final version is published. The policies and procedures in KDB 447498 v07 must be used in their entirety along with any other associated revised KDB RF exposure procedures and policies (including FCC-TCB conference presentations). While 447498 DR04 is going through draft review process, the previous version – 447498 D01 General RF Exposure Guidance v06 – of the policies and procedures may be used until Dec. 31, 2021 and must be used in their entirety (no mix of old and new procedures within each application filing). During this transition period some of the old procedures still require an FCC review through the pre-approval guidance procedure. All applications submitted after Jan. 1, 2022 must use the new procedures.

PS: *The newest version of KDB 447498 D01v07 is quite different than the previous versions with which we've been working for many years. During the May 2021 TCBC conference call, the FCC said that, while the new Rules for RFX are now required (i.e., Sections 1.1307, 1.1310, 2.1091, and 2.1093), we have the choice of either using the previous 447498 D01v06 or we may start to use the new (draft) version 447498 D01v07 right now. Starting on January 1, 2022, only this new 447498 version must be used.*

3. 2021年ISED发布的重要信息。

ISED has released several important documents/notices/draft or update standards, following are the information and entries as published on the ISED website Starting from January 2021:

[SPR-004](#) — Time-Averaged Specific Absorption Rate (TAS) Assessment Procedures for Wireless Devices Operating in the 4 MHz to 6 GHz Frequency Band.

[Draft Notice: 2021-DRS0005](#) which introduces an interim exemption limit for routine localized power density evaluations of transmitters operating in the 6 – 30 GHz frequency range.



News Letter

[RSS-248, issue 1](#), “Radio Local Area Network (RLAN) Devices in the 5925-7125 MHz band” which sets out the certification requirements for licence-exempt low-power RLAN devices operating indoors in the frequency band 5 925 - 7 125 MHz.

[RSS-182 issue 6](#), Maritime Radio Equipment Operating in the 156-162.5 MHz Band, which sets out the requirements for certification of radio equipment used for maritime service in the 156-162.5 MHz band, including automatic identification system – search and rescue transmitters (AIS-SART) operating on AIS-1 and AIS-2.

[RSS-117, issue 3, amendment 1](#), Land and Coast Station Transmitters Operating in the Band 200-535 kHz, which sets out the requirements for the technical compliance of licensed Category I transmitters operating in the frequency band 200 kHz to 535 kHz.

[RSS-287, issue 2, amendment 1](#), Emergency Position Indicating Radio Beacons (EPIRB), Emergency Locator Transmitters (ELT), Personal Locator Beacons (PLB), and Maritime Survivor Locator Devices (MSLD), which sets out the requirements for certification of:

- emergency position indicating radio beacons (EPIRBs);
- emergency locator transmitters (ELTs);
- personal locator beacons (PLBs); and
- maritime survivor locator devices (MSLDs).

[SMSE-006-21](#) Decision on the Technical and Policy Framework for Licence-Exempt Use in the 6 GHz Band. This document (the Decision), sets out the technical and policy framework for the 5925-7125 MHz frequency band (the 6 GHz band)

[Notice 2020-DRS0020](#) to reflect that the SAR assessment procedures for long term evolution (LTE) devices outlined in FCC KDB 941225 D05: SAR for LTE Devices v02r05 take precedence over Clause 7.9.3.6 of IEC/IEEE 62209-1528.

[Notice 2021-DRS003](#) This notice is hereby given that Innovation, Science and Economic Development Canada (ISED) has approved the designation of the following TV White Space Database (WSDB) Administrator for immediate operation in Canada: **RED Technologies (ID No: 002)**

4. 自2021年5月3日起, 4MHz-6GHz的无线设备ISED认证SAR强制使用 IEC/IEEE 62209-1528. **ISED SAR Reminder:** Starting on May 3, 2021, the adopted procedures and requirements of IEC/IEEE 62209-1528 standard shall be mandatory for the certification of wireless devices operating in the frequency range from 4MHz to 6GHz.



News Letter

5. 欧盟更新。

EU Updates: In the period of June and July, 2021, several new standards have been published by ETSI:

[ETSI EN 303 758 V1.1.1 \(2021-07\)](#) TETRA radio equipment using non-constant envelope modulation operating in a channel bandwidth of 25 kHz, 50 kHz, 100 kHz or 150 kHz; Harmonised Standard for access to radio spectrum.

[ETSI EN 303 676 V1.1.1 \(2021-07\)](#) Navigation radar used on inland waterways; Operational, functional and technical requirements.

[ETSI EN 303 423 V1.3.1 \(2021-07\)](#) Environmental Engineering (EE); Electrical and electronic household and office equipment; Measurement of networked standby power consumption of Interconnecting equipment.

[ETSI EN 303 372-2 V1.2.1 \(2021-06\)](#) Satellite Earth Stations and Systems (SES); Satellite broadcast reception equipment; Part 2: Indoor unit; Harmonised Standard for access to radio spectrum.

[ETSI EN 303 372-1 V1.2.1 \(2021-06\)](#) Satellite Earth Stations and Systems (SES); Satellite broadcast reception equipment; Part 1: Outdoor unit receiving in the 10,7 GHz to 12,75 GHz frequency band; Harmonised Standard for access to radio spectrum.

[ETSI EN 303 348 V1.2.1 \(2021-06\)](#) Audio frequency induction loop drivers up to 45 amperes in the frequency range 10 Hz to 9 kHz; Harmonised Standard for access to radio spectrum.

[ETSI EN 303 347-3 V2.1.1 \(2021-06\)](#) Meteorological Radars; Harmonised Standard for access to radio spectrum; Part 3: Meteorological Radar Sensor operating in the frequency band 9 300 MHz to 9 500 MHz (X band).

[ETSI EN 303 347-2 V2.1.1 \(2021-06\)](#) Meteorological Radars; Harmonised Standard for access to radio spectrum; Part 2: Meteorological Radar Sensor operating in the frequency band 5 250 MHz to 5 850 MHz (C band).

[ETSI EN 303 347-1 V2.1.1 \(2021-06\)](#) Meteorological Radars; Harmonised Standard for access to radio spectrum; Part 1: Meteorological Radar Sensor operating in the frequency band 2 700 MHz to 2 900 MHz (S band).

[ETSI EN 303 345-4 V1.1.1 \(2021-06\)](#) Broadcast Sound Receivers; Part 4: DAB broadcast sound service; Harmonised Standard for access to radio spectrum.



News Letter

[ETSI EN 303 345-3 V1.1.1 \(2021-06\)](#) Broadcast Sound Receivers; Part 3: FM broadcast sound service; Harmonised Standard for access to radio spectrum.

[ETSI EN 302 567 V2.2.1 \(2021-07\)](#) Multiple-Gigabit/s radio equipment operating in the 60 GHz band; Harmonised Standard for access to radio spectrum.

[ETSI EN 302 296 V2.2.1 \(2021-06\)](#) Digital Terrestrial TV Transmitters; Harmonised Standard for access to radio spectrum.

[ETSI EN 300 718-1 V2.2.1 \(2021-06\)](#) Avalanche Beacons operating at 457 kHz; Transmitter-receiver systems; Part 1: Harmonised Standard for access to radio spectrum.

[ETSI EN 300 132-3 V2.2.1 \(2021-07\)](#) Environmental Engineering (EE); Power supply interface at the input of Information and Communication Technology (ICT) equipment; Part 3: Up to 400 V Direct Current (DC).

[ETSI EN 302 307-2 V1.3.1 \(2021-07\)](#) Digital Video Broadcasting (DVB); Second generation framing structure, channel coding and modulation systems for Broadcasting, Interactive Services, News Gathering and other broadband satellite applications; Part 2: DVB-S2 Extensions (DVB-S2X).

And the following standards are on approval, waiting to be published:

[ETSI EN 302 480 V2.2.0 \(2021-06\)](#) Mobile Communication On Board Aircraft (MCOBA) systems; Harmonised Standard for access to radio spectrum.

[ETSI EN 302 326-3 V2.1.1 \(2021-06\)](#) Fixed Radio Systems; Multipoint Equipment and Antennas; Part 3: Multipoint Antennas.

[ETSI EN 302 326-2 V2.1.1 \(2021-06\)](#) Fixed Radio Systems; Multipoint Equipment and Antennas; Part 2: Harmonised Standard for access to radio spectrum.

[ETSI EN 302 217-2 V3.3.0 \(2021-06\)](#) Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas; Part 2: Digital systems operating in frequency bands from 1 GHz to 86 GHz; Harmonised Standard for access to radio spectrum.

[ETSI EN 302 217-1 V3.3.0 \(2021-06\)](#) Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas; Part 1: Overview, common characteristics and requirements not related to access to radio spectrum.



News Letter

[ETSI EN 301 908-18 V15.0.1 \(2021-06\)](#) IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 18: E-UTRA, UTRA and GSM/EDGE Multi-Standard Radio (MSR) Base Station (BS) Release 15.

[ETSI EN 301 908-14 V15.1.0 \(2021-06\)](#) IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 14: Evolved Universal Terrestrial Radio Access (E-UTRA) Base Stations (BS) Release 15.

[ETSI EN 301 908-1 V15.0.1 \(2021-06\)](#) IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 1: Introduction and common requirements Release 15.

[ETSI EN 300 338-7 V1.0.0 \(2021-07\)](#) Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service; Part 7: Implementation of Bridge Alert Management (BAM) in DSC radio equipment.

[ETSI EN 300 019-2-5 V3.0.7 \(2021-06\)](#) Environmental Engineering (EE); Environmental conditions and environmental tests for telecommunications equipment; Part 2: Specification of environmental tests; Sub-part 5: Ground vehicle installations.

[ETSI EN 319 122-1 V1.1.5 \(2021-07\)](#) Electronic Signatures and Infrastructures (ESI); CAdES digital signatures; Part 1: Building blocks and CAdES baseline signatures.

[ETSI EN 303 722 V1.1.0 \(2021-07\)](#) Wideband Data Transmission Systems (WDTS) for Fixed Network Radio Equipment operating in the 57 GHz to 71 GHz band; Harmonised Standard for access to radio spectrum.

[ETSI EN 302 065-4-1 V2.1.0 \(2021-07\)](#) Short Range Devices (SRD) using Ultra Wide Band technology (UWB); Harmonised Standard for access to radio spectrum; Part 4: Material Sensing devices; Sub-part 1: Building material analysis below 10,6 GHz.

[ETSI EN 302 065-3-1 V3.1.0 \(2021-07\)](#) Short Range Devices (SRD) using Ultra Wide Band technology (UWB); Harmonised standard for access to radio spectrum; Part 3: UWB devices installed in motor and railway vehicles Sub-part 1: Requirements for UWB devices for vehicular access systems.