



News Letter

1. **ACB与申请方OnePlus及实验室CTTL共同合作，于2019年11月22日颁发首张FCC 5G NR智能手机证书。**

ACB Certifies its First 5G New Radio (NR) Smart Phone.

22 November 2019: McLean Virginia and China. American Certification Body announces the issuance of its first 5G Smart Phone, developed by OnePlus Technology in China. This represents one of the first technologies to use the new 5G, or Fifth-Generation bands utilized for faster throughput and wider bandwidths. The FCC ID for this new device is 2ABZ2-EE143 and the product uses more than 35 different operating bands from 600 MHz to 5 GHz for voice, data and video applications.

For the US market, use focused on operations in the 600 MHz, 700 MHz MBS, 850 MHz Cell, 1700 MHz AWS, 1900 MHz PCS, 2300 MHz WCS, 2500 MHz BRS/EBS and 2600 MHz IMT bands.

The critical success of this project was the careful application of various “Knowledge Database” requirements for NR operation. This took special care and cooperation between the Applicant (OnePlus), our partners in the testing lab (CTTL), tight cooperation with the FCC technical experts in the Equipment Authorization Branch, superb communications with the T-Mobile carrier, and ACB’s global team of experts with engineers located in Asia and the USA. The new phone will access the longer-propagation 600 MHz bands that will extend cellular coverage to rural areas and into urban buildings. Its adaptive design works across many of the existing carrier services as well as the 5G bands that are now coming on line around the world.

Our international team, based in the US, Asia and Europe provides front-line Certification support for advanced wireless services and equipment.

For more information, contact: <https://acbcert.com/contact/>

2. **由 Rohde & Schwarz 公司举办的一年一度的 Demystifying EMC event 将于2020年2月10日在英国召开。ACB欧洲的总裁Michael Derby和资深审核员Robert Graham将在会议上做演讲。具体信息请登陆 www.rohde-schwarz.com/demystifying-emc 查看。**

The date and agenda has been set for the 2020 Demystifying EMC event in the UK, by Rohde & Schwarz. It is the largest compliance event in the UK each year and ACB is pleased to be involved again. You can listen to presentations by our senior reviewer



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and Director, Michael Derby. You can meet Michael and our engineer Robert Graham in the exhibition area of the event. The event will be held at Silverstone, UK, on Monday 10th February 2020. Registration and agenda are found at this link:

www.rohde-schwarz.com/demystifying-emc

3. EMC测试实验室协会 (EMCTLA) 于2019年12月举办了为期2天的会议。ACB欧洲的总裁 Michael Derby 做为EMCTLA的技术部长全程参与了此次会议。

The EMC Test Lab Association (EMCTLA) held their latest meetings this month. The meetings span two days; covering commercial EMC, military EMC, automotive EMC, radio approvals and other compliance issues. ACB's Michael Derby is the technical secretary of the EMCTLA and was pleased to help bring two days of information to the test and manufacturing industry. www.emctla.com

4. FCC于2019年12月16日起公开征询 (NPRM) 就如何迁移非联邦二级业余无线电频段3.3-3.55 GHz的意见, 为期30天。相关权威机构提出了将3.1 - 3.55 GHz做为商业无线运用频段的可能性。此次的公开征询也是经美国国会的指示为了新一代无线技术的革新比如5G开拓更广阔的频谱空间。

NPRM has been released (but not yet published in the Federal Register)

<https://www.fcc.gov/document/fcc-considers-facilitating-shared-use-31-355-ghz-band-0>

NOTICE OF PROPOSED RULEMAKING

Adopted: December 12, 2019

Released: December 16, 2019

Comment Date: (30 days after Federal Register publication)

Reply Comment Date: (60 days after Federal Register publication)

By the Commission: Chairman Pai and Commissioners O'Rielly, Carr, Rosenworcel and Starks issuing separate statements.

I. INTRODUCTION 1.

In this Notice of Proposed Rulemaking (Notice), we propose to remove the existing nonfederal secondary radiolocation and amateur allocations in the 3.3-3.55 GHz band and to relocate incumbent non-federal operations out of the band, in order to prepare the band for possible expanded commercial wireless use. We also seek comment on relocation options and transition mechanisms for incumbent non-federal operations. This Notice is consistent with the Commission's responsibilities, as specified in the



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MOBILE NOW Act, to identify spectrum for new mobile and fixed wireless use and, specifically, to work in consultation with the National Telecommunications and Information Administration (NTIA) to evaluate the feasibility of allowing commercial wireless services to share use of spectrum between 3.1 and 3.55 GHz. By proposing to delete the existing non-federal secondary allocations from the 3.3-3.55 GHz band in the Table of Frequency Allocations, we are taking an important initial step towards satisfying Congress's directives and making as much as 250 megahertz of spectrum from this band potentially available for advanced wireless services, including 5G, the next generation of wireless connectivity.

Please see the entire NPRM for details.

5. 欧盟更新

EU Updates: In the period of November 25 and December 25, 2019, several new standards have been published by ETSI.

[ETSI EN 301 908-13 V13.1.1 \(2019-11\)](#) for IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 13: Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE)

[ETSI EN 300 176-2 V2.3.1 \(2019-12\)](#) for Digital Enhanced Cordless Telecommunications (DECT); Test specification; Part 2: Audio and speech

[ETSI EN 300 175-8 V2.8.1 \(2019-12\)](#) for Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 8: Speech and audio coding and transmission

[ETSI EN 300 175-7 V2.8.1 \(2019-12\)](#) for Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 7: Security features

[ETSI EN 300 175-6 V2.8.1 \(2019-12\)](#) for Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 6: Identities and addressing

[ETSI EN 300 175-5 V2.8.1 \(2019-12\)](#) for Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 5: Network (NWK) layer

[ETSI EN 300 175-4 V2.8.1 \(2019-12\)](#) for Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 4: Data Link Control (DLC) layer

[ETSI EN 300 175-3 V2.8.1 \(2019-12\)](#) for Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 3: Medium Access Control (MAC) layer

[ETSI EN 300 175-2 V2.8.1 \(2019-12\)](#) for Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 2: Physical Layer (PHL)



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[ETSI EN 300 175-1 V2.8.1 \(2019-12\)](#) Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 1: Overview

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

[ETSI EN 319 403-1 V2.3.0 \(2019-11\)](#) for Electronic Signatures and Infrastructures (ESI); Trust Service Provider Conformity Assessment; Part 1: Requirements for conformity assessment bodies assessing Trust Service Providers

[ETSI EN 303 645 V2.0.0 \(2019-11\)](#) for CYBER; Cyber Security for Consumer Internet of Things

[ETSI EN 303 213-5-1 V1.0.0 \(2019-12\)](#) for Advanced Surface Movement Guidance and Control System (A-SMGCS); Part 5: Harmonised Standard for access to radio spectrum for Multilateration (MLAT) equipment; Sub-part 1: Receivers and Interrogators

[ETSI EN 302 217-2 V3.2.1 \(2019-12\)](#) for 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 V3.2.1 \(2019-12\)](#) for Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas; Part 1: Overview, common characteristics and system-independent requirements

[ETSI EN 301 489-17 V3.2.2 \(2019-12\)](#) for ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonised Standard for ElectroMagnetic Compatibility

[ETSI EN 300 019-2-8 V2.1.8 \(2019-12\)](#) for Environmental Engineering (EE); Environmental conditions and environmental tests for telecommunications equipment; Part 2-8: Specification of environmental tests; Stationary use at underground locations