

**Before the
Federal Communications Commission
Washington, D.C. 20554**

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| In the Matter of |) | |
| |) | |
| Amendment of Part 15 of the Commission's Rules |) | ET Docket No. 14-165 |
| for Unlicensed Operations in the Television Bands, |) | |
| Repurposed 600 MHz Band, 600 MHz Guard |) | |
| Bands and Duplex Gap, and Channel 37, and |) | |
| |) | |
| Expanding the Economic and Innovation |) | GN Docket No. 12-268 |
| Opportunities of Spectrum Through Incentive |) | |
| Auctions |) | |

ORDER

Adopted: September 15, 2017

Released: September 15, 2017

By the Chief, Office of Engineering and Technology:

1. By this Order, we extend through March 31, 2018 a waiver of the push notification requirements in Sections 15.37(j) and 15.711(i) of the Commission's rules, 47 CFR §§ 15.37(j) and 15.711(i), that was initially granted by Commission Order in these dockets.¹ The waiver of the push notification requirement for fixed and Mode II personal/portable white space devices and white space databases is due to expire on September 30, 2017.²

2. On August 11, 2015, the Commission released the *Part 15 Report and Order* in the above-captioned proceeding.³ The *Part 15 Report and Order* adopted new and modified rules for white space devices and unlicensed wireless microphones that operate in the TV bands and 600 MHz Band, and for white space devices that operate in channel 37. It also made changes to the rules for white space databases and adopted transition rules specifying dates by which white space devices, white space databases, and unlicensed wireless microphones must comply with the new requirements.

3. To prevent interference to protected services, including licensed wireless microphones, certain white space devices are required to check a database at least once a day to obtain a list of available channels at their operating location.⁴ In the *Part 15 Report and Order*, the Commission retained this

¹ *Amendment of Part 15 of the Commission's Rules for Unlicensed Operations in the Television Bands, Repurposed 600 MHz Band, 600 MHz Guard Bands and Duplex Gap, and Channel 37*, Order, 31 FCC Rcd 13798 (2016). The waiver was originally due to expire on June 23, 2017, and the Office of Engineering and Technology subsequently extended it until September 30, 2017. *Amendment of Part 15 of the Commission's Rules for Unlicensed Operations in the Television Bands, Repurposed 600 MHz Band, 600 MHz Guard Bands and Duplex Gap, and Channel 37*, Order, 32 FCC Rcd 4961 (2017).

² In a push notification system, a white space database directs information on changes in channel availability to specific white space devices in an area.

³ *Unlicensed Operations in the Television Bands, Repurposed 600 MHz Band, 600 MHz Guard Bands and Duplex Gap, and Channel 37*, Report and Order, 30 FCC Rcd 9551 (2015) (*Part 15 Report and Order*).

⁴ 47 CFR §§ 15.711(c)(2)(iii), (d)(4). This requirement applies to fixed and Mode II personal/portable white space devices.

requirement and decided to also require that database administrators push information about changes in channel availability information to white space devices in the area where the licensed wireless microphones will be used.⁵ When a database administrator receives a request for access to channels for licensed wireless microphone use, the database administrators must share the licensed wireless microphone's channel registration information among themselves within ten minutes and push information about changes in channel availability for fixed and Mode II personal/portable white space devices within 20 minutes of receiving it, identifying for the white space devices other available channels that could be used instead. White space devices for which a certification application is filed beginning June 23, 2016, or that are imported or marketed beginning September 23, 2016, were to incorporate a push notification capability.⁶ Previously approved white space devices that do not incorporate a push notification capability were to cease operation no later than December 23, 2016.⁷ In addition, the white space database administrators were to update their systems to implement push notification capabilities no later than December 23, 2016.⁸

4. Several parties filed petitions for reconsideration of the push notification requirements adopted by the Commission, arguing that there are a number of difficulties in implementing them.⁹ Given the complexity of the issues, the Commission determined that there was good cause to waive the requirements in Section 15.37(j) and 15.711(i) and that the waiver would remain in effect until the Commission takes a final action addressing the petitions for reconsideration of the push notification rules. Because the petitions for reconsideration remain under active consideration, the reasons supporting the original waiver remain valid and a short time extension is warranted. This action is being taken without prejudice relative to the merits of these petitions.

5. This action will ensure that manufacturers may continue to market previously approved white space devices, and that users may continue to operate them. The ability of all approved white space devices to satisfy the at-least-once-daily database re-check requirement will ensure that wireless microphones will continue to receive interference protection from white space devices.¹⁰

⁵ *Part 15 Report and Order*, 30 FCC Rcd at 9662, para. 274.

⁶ 47 CFR § 15.37(j). No manufacturers applied for certification of white space devices after June 23, 2016.

⁷ 47 CFR § 15.37(j).

⁸ 47 CFR § 15.711(i)(3).

⁹ Google Inc. Petition for Reconsideration, ET Docket No. 14-165, at 1 (filed Dec. 23, 2015), <https://ecfsapi.fcc.gov/file/60001390176.pdf> (Google Petition); Petition for Reconsideration of the National Association of Broadcasters, ET Docket No. 14-165, at 5 (filed Dec. 23, 2015), <https://ecfsapi.fcc.gov/file/60001390495.pdf> (NAB Petition); Response and Opposition to Petitions for Reconsideration of Microsoft Corporation, ET Docket No. 14-165, at 13 (filed Feb. 29, 2016), <https://ecfsapi.fcc.gov/file/60001524524.pdf> (Microsoft Opposition).

¹⁰ See n. 4, *supra*.

6. Accordingly, pursuant to the authority delegated to the Office of Engineering and Technology under Section 0.241(a)(3) of the Commission's rules, 47 CFR § 0.241(a)(3), and Sections 302, 303(e), and 303(r) of the Communications Act of 1934, as amended, 47 U.S.C. §§ 302a, 303(e) and 303(r), IT IS ORDERED that Sections 15.37(j) and 15.711(i) of the Commission's rules, 47 CFR §§ 15.37(j) and 15.711(i), ARE WAIVED until March 31, 2018 or until the Commission takes final action on the petitions for reconsideration in ET Docket No. 14-165 with respect to these rule sections, whichever comes earlier.

7. IT IS FURTHER ORDERED that the effective date of this Order IS THE DATE upon which this Order is released by the Commission.

FEDERAL COMMUNICATIONS COMMISSION

Julius P. Knapp
Chief, Office of Engineering and Technology