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(Original Signature of Member)

117TH CONGRESS  
1ST SESSION

**H. R.** \_\_\_\_\_

To direct the Federal Communications Commission to collect and maintain data on the growth in the use of Internet of Things devices and devices that use 5G mobile networks in order to determine the amount of electromagnetic spectrum required to meet the demand created by such use, and for other purposes.

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IN THE HOUSE OF REPRESENTATIVES

Ms. DELBENE introduced the following bill; which was referred to the Committee on \_\_\_\_\_

\_\_\_\_\_  
**A BILL**

To direct the Federal Communications Commission to collect and maintain data on the growth in the use of Internet of Things devices and devices that use 5G mobile networks in order to determine the amount of electromagnetic spectrum required to meet the demand created by such use, and for other purposes.

1       *Be it enacted by the Senate and House of Representa-*  
2       *tives of the United States of America in Congress assembled,*

1 **SECTION 1. SHORT TITLE.**

2 This Act may be cited as the “IoT Readiness Act of  
3 2021”.

4 **SEC. 2. SENSE OF CONGRESS.**

5 It is the sense of Congress that—

6 (1) Internet of Things device usage is a critical  
7 component of the United States economy;

8 (2) Internet of Things device usage will con-  
9 tinue to grow exponentially, and United States infra-  
10 structure needs to be prepared for that growth;

11 (3) in order for the Federal Government to  
12 properly address spectrum requirements, Congress  
13 needs to understand the full scope of future spec-  
14 trum demand; and

15 (4) the United States should further prepare its  
16 infrastructure with comprehensive spectrum plan-  
17 ning.

18 **SEC. 3. TRACKING OF GROWTH OF INTERNET OF THINGS  
19 AND 5G DEVICES BY FCC.**

20 (a) **COLLECTION AND MAINTENANCE OF DATA.—**

21 The Commission shall collect and maintain data on the  
22 growth in the use of Internet of Things devices and devices  
23 that use 5G mobile networks in order to determine the  
24 amount of electromagnetic spectrum required to meet the  
25 demand created by such use.

1 (b) BIENNIAL REPORT TO CONGRESS.—Not later  
2 than 180 days after the date of the enactment of this Act,  
3 and not less frequently than every 2 years thereafter, the  
4 Commission shall submit to Congress a report on the data  
5 collected and maintained under subsection (a). Such re-  
6 port shall contain—

7 (1) a determination by the Commission of the  
8 amount of electromagnetic spectrum required to  
9 meet the demand created by Internet of Things de-  
10 vices and devices that use 5G mobile networks and  
11 whether sufficient spectrum is available as of the  
12 date of such report to meet such demand; and

13 (2) a determination by the Commission of—

14 (A) whether any growth is anticipated in  
15 the use of Internet of Things devices or devices  
16 that use 5G mobile networks; and

17 (B) if such growth is anticipated, the  
18 amount of spectrum needed to meet the future  
19 demand created by such growth.

20 **SEC. 4. DEFINITIONS.**

21 In this Act:

22 (1) COMMISSION.—The term “Commission”  
23 means the Federal Communications Commission, in  
24 consultation with the Assistant Secretary of Com-  
25 merce for Communications and Information.

1           (2) INTERNET OF THINGS DEVICE.—The term  
2           “Internet of Things device” means a device that  
3           uses a network to communicate and share data with  
4           other devices.