



INTERNET OF THINGS ASSOCIATION

To: LoRa Alliance
Technical Committee

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Dear Colleagues!

In 2016 the participants of the Russian IoT market have set Internet of things Association that enlists today 42 members and in early 2017 have formed several working groups to address the spectrum issues and harmonize, in particular, relevant frequency plans related to LPWAN networks in the Russian Federation.

Among these working groups are NB-IoT, LoRaWAN, UNB Working Group and a few other groups of experts united on the principle of equality and taking into account opinions of different involved parties.

During the period of May – October 2017 the LoRaWAN workgroup has summarized technical requirements for the frequency spectrum for LoRa networks and with due account to the existing rules established by the Russian State Frequency Committee (decision №07-20-03-001 dated May 7, 2007, prolonged in 2017 «On the Allocation of Radio Frequencies To Operate Short-range Devices») has submitted the request to the regulator to adjust the allocated non-licensed frequency band to harmonize it with the relevant European frequency band.

The regulator has decided on August 31, 2017, to proceed with the 6 months research on the potential adjustment of the spectrum for LPWAN and recommended until the decision on the adjustment is taken, to operate strictly in line with the above-said Decision №07-20-03-001.

As a result, the members of the LoRa Working Group have convened a series of consultations and at the meeting held in Moscow on October 12, 2017, have unanimously voted to approve the frequency plan as below and agreed that it will be mandatory for all the operators, system integrators and vendors who attended the meeting (15 companies) to operate strictly in line with this plan. Most of the current Russian LoRaWAN operators have attended the meeting (in particular, Lartech, MTT, Enforta, Network 868).

Final Russian frequency plan for LoRaWAN has been approved as follows:

- initialization frequencies - 868,90 MHz and 869,10 MHz (2 frequencies only)

- RX2 channel frequency - 869,10 MHz .

Recommended (but not mandatory) working channels are as follows: 864,1; 864,3; 864,5; 864,7; 864,9 (in addition to 868,90 MHz and 869,10 MHz).

Any commercial activity on frequencies beyond the bands 864,0 – 865,0 MHz and 868,7 – 869,2 MHz is not allowed (until a further notice).

By the present letter we kindly request the Technical Committee of LoRa Alliance to consider the present application to adjust the regional parameters of LoRaWAN Specification 1.0.2 for Russian Federation inline with the frequency plan as stated above.

Thank you in advance for your cooperation and best regards,

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Director