Representing:

Organisation

Organisation (if applicable):

ULE Alliance

What additional details do you want to keep confidential?:

No

If you want part of your response kept confidential, which parts?:

Ofcom may publish a response summary:

Yes

I confirm that I have read the declaration:

Yes

1. IoT definition, applications and demand:

Any device or application that can be connected to the Internet may be part of IoT. ULE Technology (Ultra Low Energy), based on the solid foundation of the DECT, in use in 100s of millions of households worldwide, provides a solid ground for development IoT devices and applications. It delivers interference free communication, longest range among the short range communication technologies and lowest cost of ownership - a critical factor when considering mass deployment of IoT devices.

2. Spectrum requirements :

ULE, which is based on the dedicated spectrum of DECT, does not require allocation of additional bands. It re-uses the DECT frequency band.
Relating to figure 1 in the "call for input" publication, ULE has combination of the "dedicated spectrum" - as it is operating on the dedicated band, and the "shared spectrum" - as it is a short range communication protocol. This unique combination enables ULE to deliver the best performance, and be the most suited for IoT.

3. Network-related issues:

ULE is agnostic to the broadband network, be it DSL, cable, mobile or any other technology. ULE concentrator will be either connected to a home gateway or be integrated in the home gateway (there are already millions of DECT enabled home gateways in the market).

4. Security and resilience:

ULE is using 128 bit AES encription, and provides adequate security to the ULE network. Thanks to ULE long range, there almost never is a need for repeaters and other redundant devices, this delivers maximum possible resilience to the ULE network.

5. Data privacy:

ULE network will usually not store large amounts of data, thus has no data privacy issue.

6. Numbering and addressing:

ULE network assigns its own addresses to the devices connected to the ULE network. A single ULE network, with one concentrator may support several thousands of devices in a single network.

7. Devices:

8. Digital literacy:

9. Data analysis and exploitation:

10. International developments:

ULE is available worldwide, wherever DECT is available.

11. Ofcom's role :

12. Additional comments:

We, at the ULE Alliance are keen to have a face to face meeting locally in the UK, and would be glad to visit you whenever possible in order to present ULE - the best IoT technology available today, to your team.
Our local contact in the UK: Ruth Wilson, One of the founders of the ULE Alliance, member of ULE Alliance and HGI boards of directors and vice chairman of the DECT Forum. E-mail: ruth.wilson@dspg.com