



## الإعلان حول استخدام النطاق الترددي (1518-1427 ميجاهرتز) ضمن فريق العمل العربي الدائم لإدارة الطيف الترددي (ASMG)

### **Announcement from ASMG on the use of frequency band 1427-1518 MHz**

The Arab Spectrum Management Group (ASMG) Administrations under The Arab Ministerial Council for ICT - League of Arab States (LAS) conducted comprehensive study of the potential IMT ecosystem to be implemented within the frequency range 1427 – 1518 MHz (known as L-band) taking into account the following:

- Identification of this band for IMT applications in Region 1 at WRC-15.
- Ongoing development of IMT-TDD ecosystem.
- Need to balance the current and future requirement of various mobile broadband use-cases, applications and vertical industries in terms of UL and DL data throughput and capacity.
- Existing TDD Massive MIMO solutions in the other frequency bands provide significant enhancement for DL throughput and capacity, however there are significant limitations for UL coverage, throughput and capacity.
- Growing demands for applications with higher UL requirement and innovative use-cases.
- TDD ecosystem provides potential solution for harmonization with other markets adopting UL-only or DL-only arrangements using the same ecosystem.

Accordingly, Arab Administrations agreed during the ASMG 28<sup>th</sup> Plenary to use the frequency range 1427 – 1518 MHz when it is possible for IMT Systems in accordance with the following technical conditions:

- Time Division Duplexing (TDD) technology/scheme.
- Adopting IMT Arrangement (G3) of Recommendation ITU-R M.1036-6 and the relevant 3GPP specifications of existing and future IMT Systems (e.g. b50/b51, n50/n51).

Arab Administrations are invited to take into account studies conducted in relevant technical groups of ITU including sharing and compatibility studies with other services including appropriate measures with respect to the co-existence and compatibility with services above 1518 MHz and below 1427 MHz.