



The WRC Series - IMT L-Band

As demand for more data and better coverage grows, licensing 1500 MHz is a great way to improve mobile network performance. Just like the world's most popular LTE band, 1800 MHz, it offers a good balance between capacity and coverage. There is also a growing ecosystem of network equipment and devices.

90 MHz of mobile broadband spectrum **OVER 70** smartphones from **Apple, Huawei, Samsung and many more**

IMT L-band



The band is 1427 MHz to 1518 MHz;



It was identified for IMT at WRC-15;



3GPP specifications for L-band comply with relevant unwanted emission limits;

IMT ↔ MSS

IMT and MSS can coexist with a frequency separation of 3 MHz, noting MSS starts at 1525 MHz in many parts of the world.

THE BAND PLANS

There are currently three different IMT technologies in this band: supplemental downlink (SDL), FDD or TDD. Harmonised use of these are vital to a successful roll-out.

MHz	1427	1518
G1	SDL	
	1427	1517
G2	↑	↓
	1427	1470 1475 1518
G3	TDD	
	1427	1517

G1 will be used in CEPT and CITELE, and G3 has been adopted by ASMG;

Japan has already deployed IMT networks using a frequency arrangement compatible with G2;

Other regions and countries are considering their options.



EUROPE SETS THE STAGE FOR GROWTH

European operators are expected to have access to this band in the near future, based on EC Implementing Decision 2018/661. Other regions are also getting ready to release the band. These developments are helping drive demand for device support.

Germany, Italy, Switzerland and the UK have licensed L-band spectrum