

LIGADO'S MID-BAND SPECTRUM CAN BE DEPLOYED IMMEDIATELY

Mid-band spectrum, generally from 1 GHz to 6 GHz, is a critical component of the United States' strategy to win the race to 5G, however the U.S. currently does not have enough of it available for commercial use, jeopardizing our chances of 5G leadership. Unlike other mid-band spectrum in the pipeline, Ligado's lower mid-band spectrum at 1-2 GHz is "greenfield," meaning it is ready to be deployed immediately. As a result, Ligado's spectrum is prime spectrum that can be easily and quickly deployed to meet our country's 5G needs.



LIGADO'S MID-BAND SPECTRUM HAS CHARACTERISTICS UNIQUELY SUITED FOR 5G SERVICES

Not all mid-band spectrum is created equal. Because mobile data traffic is predominantly indoors, in-building penetration is critical for 5G networks. Unlike higher frequencies, lower mid-band spectrum like Ligado's spectrum would enable 5G services to benefit from superior propagation by delivering large amounts of data very quickly and reliably to a wide coverage area, both outdoors and indoors. This combination of outdoor and indoor coverage with high-capacity is unique in today's wireless ecosystem and gives Ligado's spectrum deployment flexibility and makes it ideal spectrum to accelerate the development of 5G networks.



LIGADO'S MID-BAND SPECTRUM COMPLEMENTS OTHER MID-BAND SPECTRUM UNDER FCC CONSIDERATION

Ligado's lower mid-band spectrum can be combined with other lower-mid-band frequencies such as the 1675-1680 MHz band that the FCC is currently considering for auction, maximizing the value and usability of the band and enabling it to have an impact on 5G. Ligado's spectrum is complementary to other spectrum bands currently before the FCC including C-Band and mmWave-Bands. At a time when mid-band spectrum in the U.S. is scarce, ensuring the most efficient allocation of every bit of available mid-band spectrum is paramount. Ligado's mid-band spectrum fosters maximum, efficient spectrum use.



LIGADO'S MID-BAND SPECTRUM WILL PROVIDE NEW SERVICES TO AMERICA'S CRITICAL INFRASTRUCTURE INDUSTRIES

Industrial users have their own unique network needs—requiring hyper-fast, secure, and reliable networks—and Ligado's spectrum can significantly help address those demands. Recognizing that delivering ultra-reliable and highly-secure connectivity to the industrial sector requires more than a "one-size-fits-all" process, Ligado is taking a first-of-its-kind innovative approach to provide seamless satellite and terrestrial connectivity powering 5G and IoT services for industrial sectors while also enabling full network flexibility and control.

