

August 31, 2026

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REQUEST FOR RENEWAL OF EXPERIMENTAL RADIO STATION LICENSE: WL2XIC

CableLabs, Inc. ("CableLabs"), pursuant to Section 5.71(a)(2) of the Commission's rules, hereby requests renewal of its Conventional Experimental Radio Station License **WL2XIC** for an additional two-year term. Renewal of this station license is necessary to allow CableLabs to continue technical trials, standards verification, and coexistence evaluations across 6 GHz unlicensed broadband spectrum. As set forth below, grant of this request will serve the public interest, convenience, and necessity.

CableLabs utilizes call sign **WL2XIC** to conduct controlled laboratory evaluations across the **5925–7125 MHz** band. CableLabs's member organizations actively operate and deploy Wi-Fi 6E and Wi-Fi 7 infrastructure across these frequencies. In addition, this spectrum serves as a critical testbed for emerging wireless technologies and protocols. CableLabs uses this station to evaluate Automated Frequency Coordination (AFC) system integration, standard-power vs. low-power indoor performance, high-density multi-client throughput, and coexistence between wide-channel Wi-Fi deployments and incumbent operations. Continued license authorization is essential as new 6 GHz device profiles, wide-bandwidth standards, and client capabilities continue to enter member testing pipelines.

All operations are conducted under the direct supervision, authority, and control of CableLabs. Equipment is operated inside laboratory facilities utilizing conducted test benches, RF enclosures, or localized low-power radiated setups designed to avoid external interference. CableLabs requests that all existing operational parameters and special conditions currently applied to station WL2XIC remain in effect for the renewed term.

Because this testing facilitates the ongoing validation of next-generation broadband Wi-Fi and emerging wireless technologies for member organizations, CableLabs submits that approval of this renewal serves the public interest, convenience, and necessity. Favorable action on this request is therefore warranted.