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5G Product Compatibility

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Brand: weBoost / WilsonPro

Manufacturer: Wilson Electronics, LLC - 3301 E Deseret Dr., St George, UT 84790

Description: Signal Booster / Amplifier

This document serves as a statement for compatibility regarding weBoost / WilsonPro boosters and signal amplifiers with 5G networks. All Wilson Electronics amplifiers are designed and certified according to Innovation, Science and Economic Development Canada (ISED) RSS-131 Issue 3 Zone Enhancers for the Land Mobile Service.

As part of this compliance, all products cover technical requirements for Wideband Consumer Zone Enhancers. As such, wideband consumer zone enhancers amplify and retransmit the entire 3GPP frequency range. This results in the amplification of all carrier spectrum blocks for all RSS-131 issue 3 allowed frequency bands simultaneously.

As Canadian operators provide 5G services on “FR1” or low band spectrum the LTE low band frequency ranges are used to deliver 5G low band services. Operators utilize carrier aggregation (combining up to 3 spectrum blocs from different frequency bands) and DSS (dynamic spectrum sharing) to deliver this increased network performance. Since Wilson Electronics zone enhancers are wideband, they are compatible and work with operator low band 5G networks. A wideband zone enhancer amplifies the entire spectrum without any frequency conversion or translation to an Intermediate Frequency (IF) or digital signal during the amplification of both the uplink and downlink process.

Wilson Electronics zone enhancers (Signal Boosters) amplify all carrier low band 5G services as well as they do for existing low band LTE services, regardless of modulation type.

Best Regards,

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Chief Product Officer

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