



SureCall SpeedLink 5G C-Band Signal Booster

Part #: SC-5G-CB

Verizon Advisory # ME-RF-AD-24-0002

SpeedLink extends the reach of 5G base stations inside large buildings to easily fill coverage gaps and deliver ultra-fast data speeds without the need for fiber backhaul. It is designed to deploy quickly and economically inside offices, enterprise, and commercial spaces to significantly expand and improve indoor capacity. It helps with one of the biggest challenges for 5G C-band networks by providing sufficient coverage and overcoming both natural and man-made obstructions (cement walls, e-glass windows, metal roofs) that block signal between the base station and cellular devices.

The advanced SpeedLink booster system amplifies radio RF signals to the user's device and back for the 5G C-band spectrum. It also features 2x2 MIMO system architecture which can achieve significantly higher data rates by producing two spatial streams—effectively doubling the maximum data rate of a traditional 1x1 SISO system. By using the spatial dimension of a communications link the MIMO system offers increased data rates, a larger coverage area, improved signal quality, and enhanced efficiency for all users inside the building.

TECHNICAL SPECIFICATIONS

Frequency UL/DL	3.70 to 3.84 GHz
Input / Output Impedance:	50 Ω
Max Uplink / Downlink Gain:	78 dB
Gain Adjustment Uplink / Downlink:	>30 dB (Automatic)
Max Uplink Power Conducted	28.5 dBm
Max Downlink Power Conducted	25.0 dBm
Noise Figure	≤6 dB
Transmission group delay	<20ns
MIMO	2x2



NETWORK SPECIFICATIONS

Oscillation Protection	§ 20.21(e)
Overload Protection	§ 20.21(e)
Cell Site Noise Protection	§ 20.21(e)
Transmit Power Off (squellch)	§ 20.21(e)

GENERAL SPECIFICATIONS

Remote Monitoring	Cloud-Based IoT, BLE, GPS (antenna not included)
Power Supply	28VDC
Power Consumption	<35W
RF Connectors	4.3-10 Female
Operation Temperature	-4°F to +104°F (-20°C to +40°C)
Unit dimensions (in)	5.5 x 9.3 x 13.4
Unit weight	16 lb 4 oz
Case rating	IP54



* Specifications are subject to change

WARRANTY SEAL

The unit is equipped with a warranty seal sticker. Seals that have been implemented by SureCall must not be broken or removed, as it otherwise voids the warranty.

INTELLECTUAL PROPERTY

The product design is protected by copyright, trademark, service mark, and other proprietary or intellectual property rights including multiple patents pending.

SOFTWARE

The product, mobile app, and IoT software are the property of SureCall and protected by copyright, trademark, service mark, and other proprietary or intellectual property rights including multiple patents pending.