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Waveform DMIN-1

Waveform DualMini 2x2 MIMO Window Antenna Kit

Model: DMIN-1
Brand: Waveform

Introduction

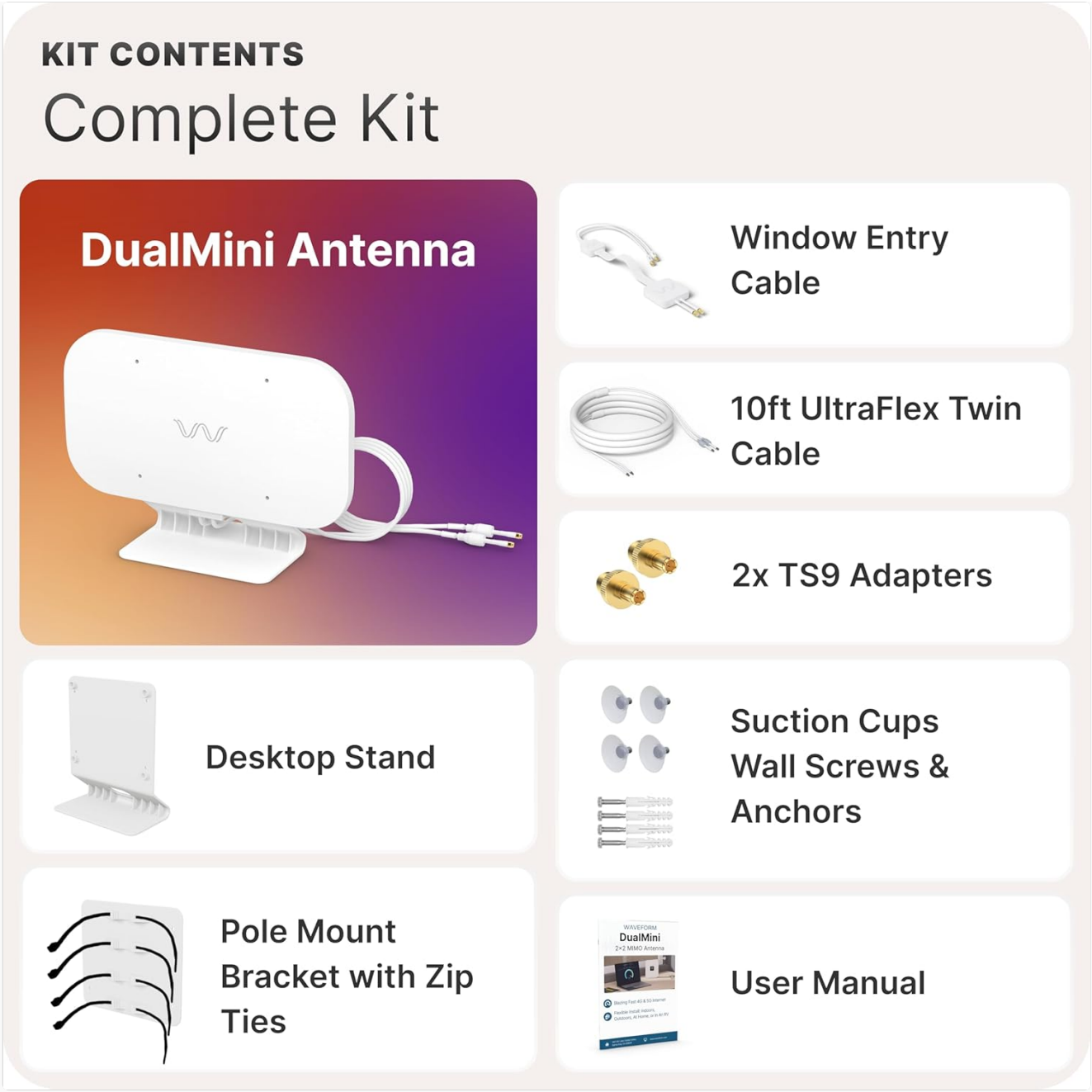
This manual provides detailed instructions for the installation, operation, and maintenance of your Waveform DualMini 2x2 MIMO Window Antenna Kit. The DualMini is designed to enhance 4G and 5G cellular signal reception for compatible routers and hotspots, improving data rates, reducing latency, and increasing connection reliability. Its omnidirectional design simplifies placement, making it suitable for various environments including homes and RVs.

The Waveform DualMini 2x2 MIMO Antenna Kit includes the main antenna unit, connection cables, TS9 adapters, and the user manual.

Package Contents

The Waveform DualMini Complete Kit includes the following components:

- DualMini Antenna
- Window Entry Cable
- 10ft UltraFlex Twin Cable
- 2x TS9 Adapters
- Desktop Stand
- Suction Cups
- Wall Screws & Anchors
- Pole Mount Bracket with Zip Ties
- User Manual



The complete kit includes the DualMini antenna, Window Entry Cable, 10ft UltraFlex Twin Cable, 2x TS9 Adapters, Desktop Stand, Suction Cups, Wall Screws & Anchors, Pole Mount Bracket with Zip Ties, and a User Manual.

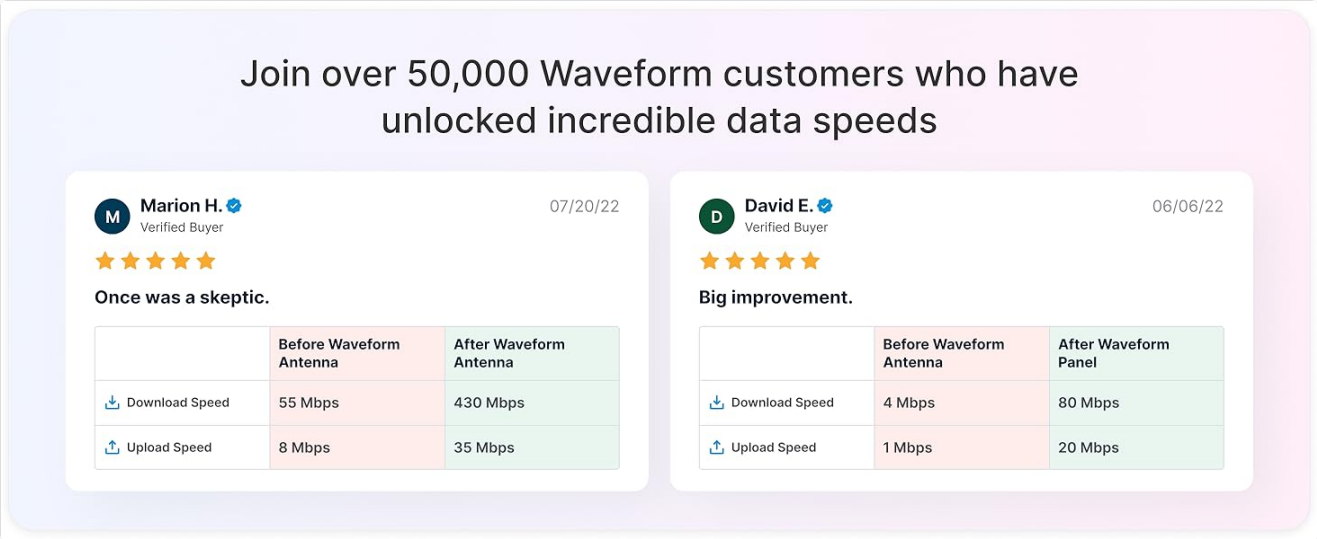
Installation Guide

The DualMini antenna offers flexible installation options for both indoor and outdoor use. Optimal performance is typically achieved with outdoor placement.

1. Mount Your DualMini Antenna

Choose a mounting location that provides the best possible signal reception. The omnidirectional design means no precise aiming is required, but placing it on the side of your building or RV that receives the strongest signal is recommended.

- **Outdoor Mounting:** For optimal performance, consider wall or pole mounting. Use the provided wall screws, anchors, or the pole mount bracket with zip ties.
- **Indoor Mounting:** For easier installation, use the included suction cups for window attachment or the desktop stand for placement on a flat surface.



This image demonstrates the various ways to mount the DualMini antenna for optimal performance or easier installation, including wall, pole, window, and desktop options.

2. Run Cables Inside

Utilize the Window Entry Cable to route the antenna cables from outside to inside your building or RV without drilling. This cable is designed to pass through most window frames when closed.

The Window Entry Cable allows for routing antenna cables indoors without drilling, passing through a window frame to connect to your gateway.

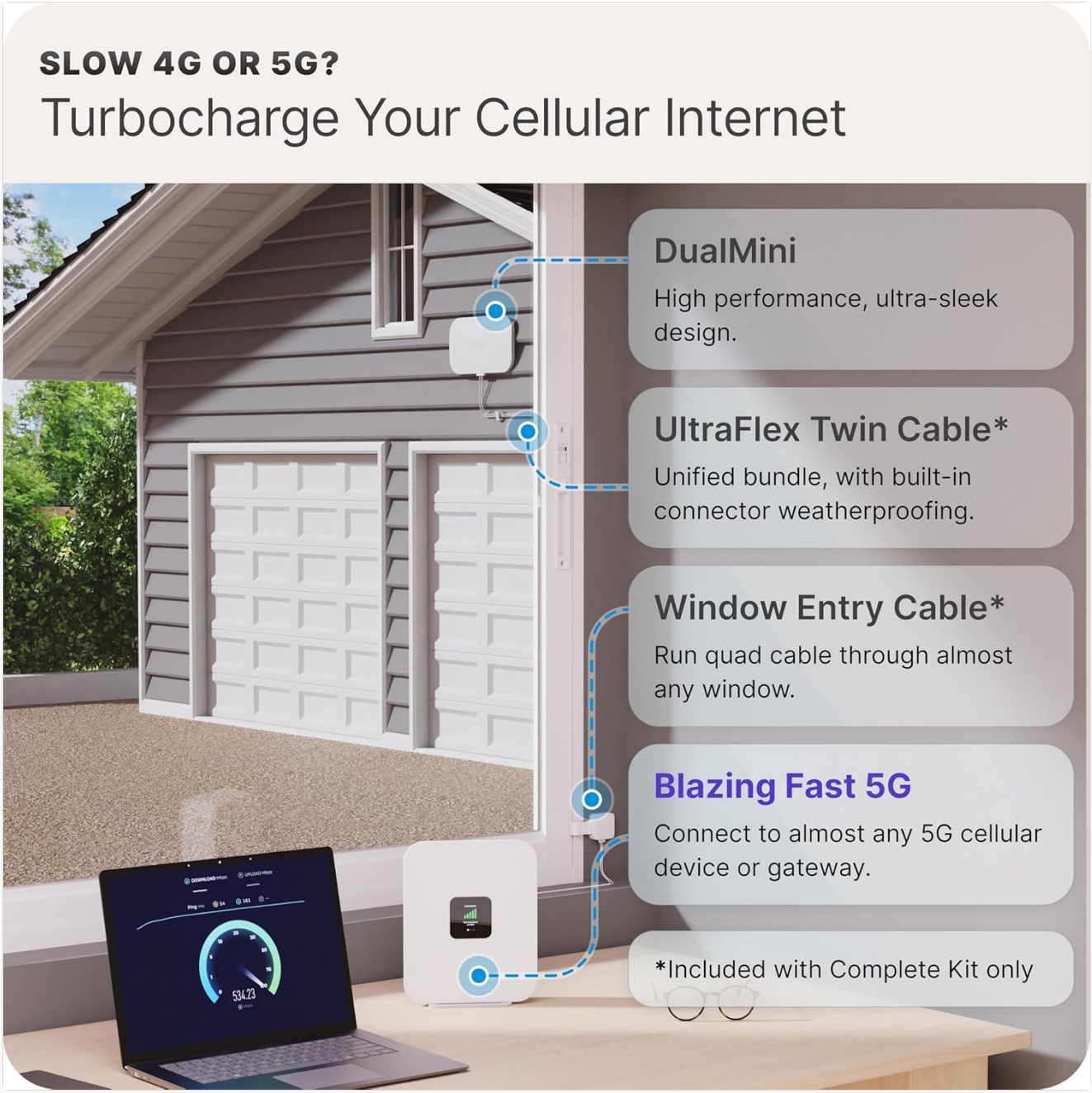
3. Connect Your 5G Gateway

Connect the UltraFlex Twin Cables from the antenna to the external antenna ports on your 4G LTE or 5G gateway or router. Some gateways may require the included TS9 adapters. After connecting, reboot your gateway to ensure it recognizes the external antenna.

This image illustrates the final step of connecting the antenna cables to the external antenna ports of your 4G LTE or 5G gateway. TS9 adapters may be required for some gateways.

Operation

Once installed and connected, the DualMini antenna will work with your compatible 4G/5G router or hotspot to improve cellular signal reception. The antenna's omnidirectional design means it receives signals from all directions, eliminating the need for precise aiming. Your router will automatically utilize the improved signal for faster and more reliable internet connectivity.



This diagram shows how the DualMini antenna connects to a cellular router, enhancing 4G or 5G internet performance for home use.

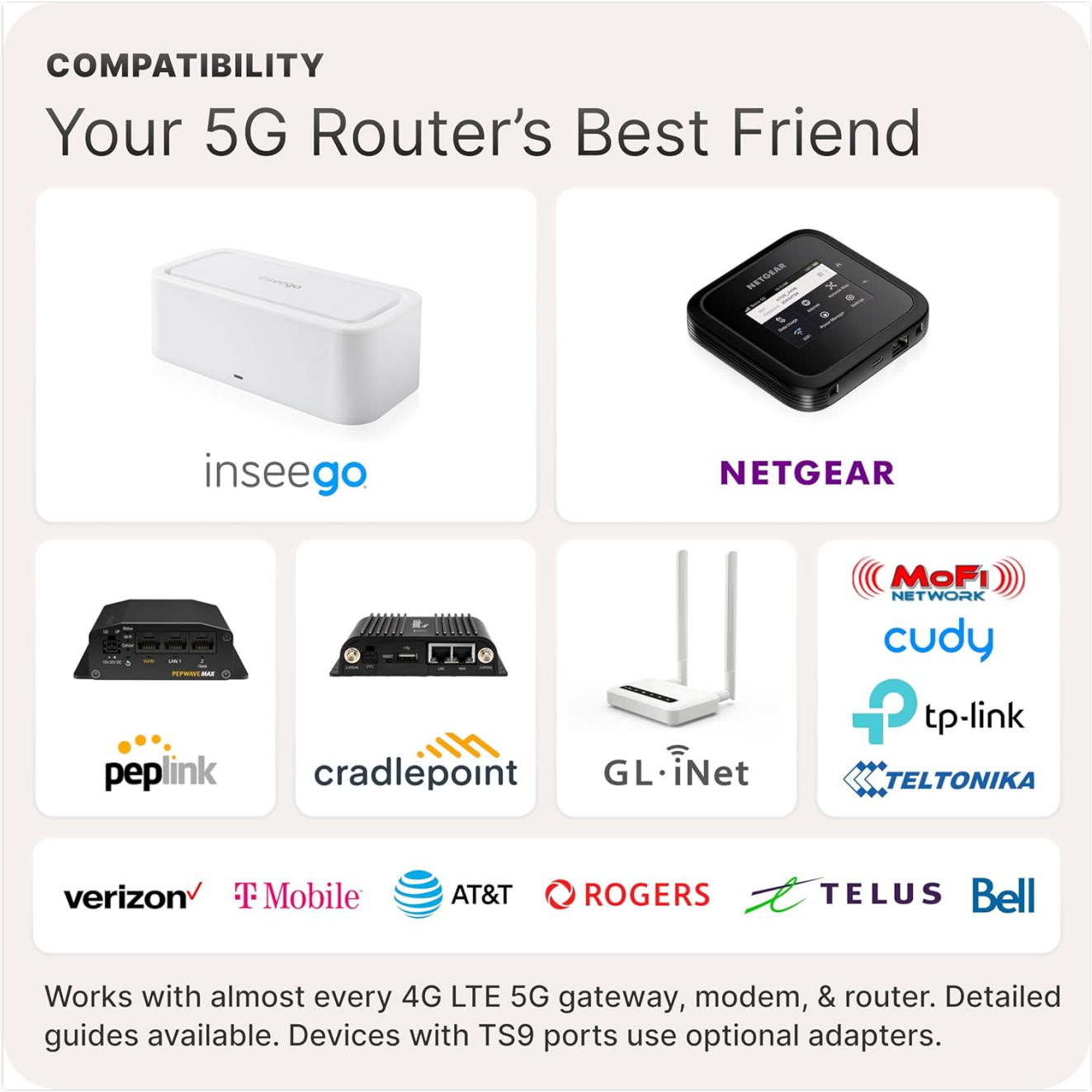
Compatibility

The Waveform DualMini antenna is designed for use with 4G LTE and 5G cellular gateways, modems, and routers that feature two external antenna ports. It supports a wide range of devices and carriers.

Compatible Devices and Carriers:

- **Routers/Hotspots:** Inseego, Netgear (e.g., M5 & M6), Peplink, Cradlepoint, GL.iNet, Cudy, TP-Link, Teltonika, and others with 2 antenna ports.
- **Carriers:** Verizon, T-Mobile, AT&T, Rogers, Telus, Bell, and other 4G/5G networks.

Devices with TS9 ports will require the included TS9 adapters for connection.



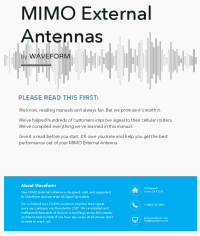
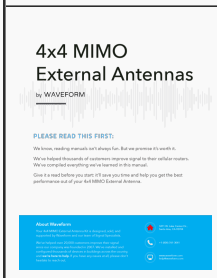
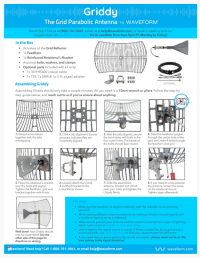
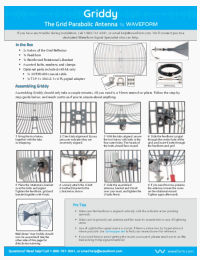
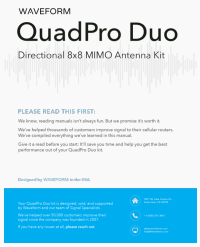
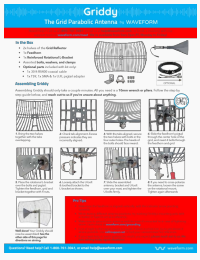
The DualMini antenna is compatible with a wide range of 4G LTE and 5G gateways, modems, and routers from brands like Inseego, Netgear, Peplink, Cradlepoint, GL.iNet, Cudy, TP-Link, and Teltonika, across carriers such as Verizon, T-Mobile, AT&T, Rogers, Telus, and Bell.

Troubleshooting

If you experience issues with your DualMini antenna, consider the following:

- **Check Connections:** Ensure all cables are securely connected to both the antenna and your router/hotspot. Verify that TS9 adapters (if used) are properly attached.
- **Router Reboot:** After connecting the antenna, always reboot your cellular gateway or router.
- **Antenna Placement:** Experiment with different antenna locations. While omnidirectional, placing the antenna on the side of your home or RV facing the nearest cell tower can still yield better results.
- **Signal Strength Indicators:** Refer to your router's interface for signal strength metrics (e.g., RSRP, SINR) rather than just

Related Documents - DMIN-1

	[Waveform MIMO External Antennas: Installation and Optimization Guide] Comprehensive guide to installing, positioning, and optimizing Waveform MIMO External Antennas for improved cellular signal and data rates. Covers setup, compatibility, and troubleshooting.
	[Waveform 4x4 MIMO External Antennas: Installation and Optimization Guide] Step-by-step instructions from Waveform for installing 4x4 MIMO External Antennas to boost cellular signal. Covers setup, positioning, testing, and optimization for cellular routers and hotspots.
	[Waveform Griddy Parabolic Antenna: Assembly, Setup, and Aiming Guide] Comprehensive guide to assembling, configuring, and aiming the Waveform Griddy parabolic antenna for optimal performance in cellular and Wi-Fi applications. Includes feedhorn selection, MIMO setup, and aiming tips.
	[Griddy Parabolic Antenna Installation and Setup Guide by Waveform] Comprehensive guide to assembling, installing, and aiming the Waveform Griddy parabolic antenna for optimal cellular and WiFi signal performance. Includes feedhorn selection and MIMO setup.
	[Waveform QuadPro Duo Directional 8x8 MIMO Antenna Kit Installation Guide] This guide provides comprehensive instructions for installing and optimizing the Waveform QuadPro Duo Directional 8x8 MIMO Antenna Kit to improve cellular signal and data speeds. It covers unboxing, setup, positioning, connection, mounting, weatherproofing, grounding, and advanced optimization techniques.
	[Griddy Grid Parabolic Antenna Installation Guide by WAVEFORM] Comprehensive installation guide for the WAVEFORM Griddy Grid Parabolic Antenna, covering assembly, feedhorn selection, aiming for cell towers and point-to-point WiFi, and MIMO configurations.