Understanding Your WiFi Device Score

Overview

Your device's WiFi Experience Score provides a comprehensive assessment of your wireless connection quality. The score is calculated using six key performance factors, each weighted according to its impact on your overall WiFi experience.

The final score ranges from **1 to 10**, with higher values indicating superior WiFi performance.

Scoring Factors and Weights

Each factor contributes differently to your overall score based on its importance in determining connection quality:

Factor	Weight	Description
Interference	0.30	The most critical factor affecting WiFi performance. Interference directly impacts both the quality and stability of your wireless connection.
Signal Strength	0.20	Essential for maintaining a stable, high-speed connection. Signal strength determines the effective range and reliability of your WiFi coverage.
SNR (Signal-to-Noise Ratio)	0.15	Measures signal clarity relative to background noise. A higher SNR is crucial for maintaining consistent connection quality.
Speed	0.15	Particularly important for user satisfaction when using high-bandwidth applications such as video streaming, gaming, or large file transfers.

Factor	Weight	Description
Noise	0.10	Background noise degrades signal quality. Note that noise impact is partially accounted for in the SNR calculation.
Standard	0.10	The WiFi standard (e.g., 802.11ac, 802.11ax) determines the theoretical maximum capabilities and influences potential performance levels.

How the Score is Calculated

The weighting system prioritizes factors that have direct, measurable effects on connection stability and quality over theoretical maximum capabilities.

Your device's final WiFi Experience Score is calculated by:

1. Evaluating each of the six factors listed above
2. Applying the corresponding weight to each factor's measurement
3. Combining all weighted factors into a single composite score
4. Normalizing the result to a scale of 1-10

This methodology ensures that real-world performance indicators have greater influence on your score than theoretical specifications alone. The final score for each device results in a value between 1 and 10, where higher scores indicate better WiFi experience.

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