

Keysight Technologies

FieldFox S-Parameter Measurement Uncertainty

N9950A

N9951A

N9952A

Data Sheet

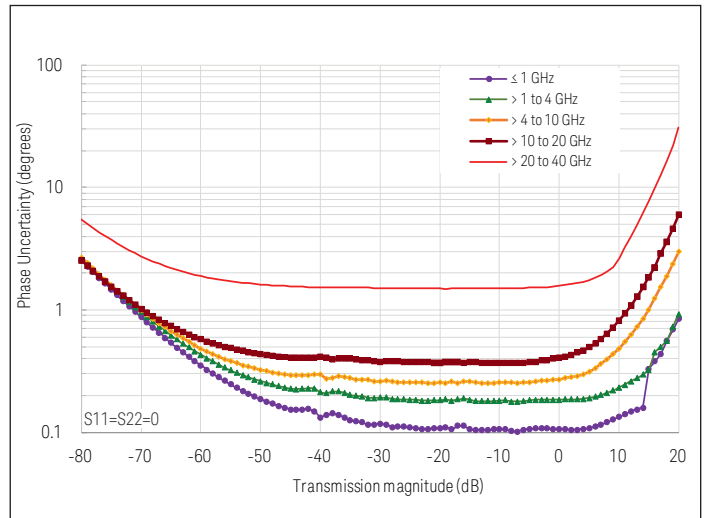
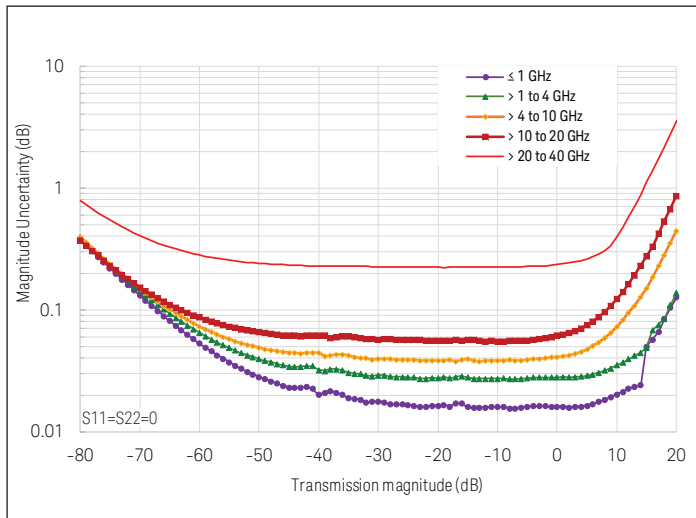


Corrected Measurement Uncertainty for N9950A/51A/52A

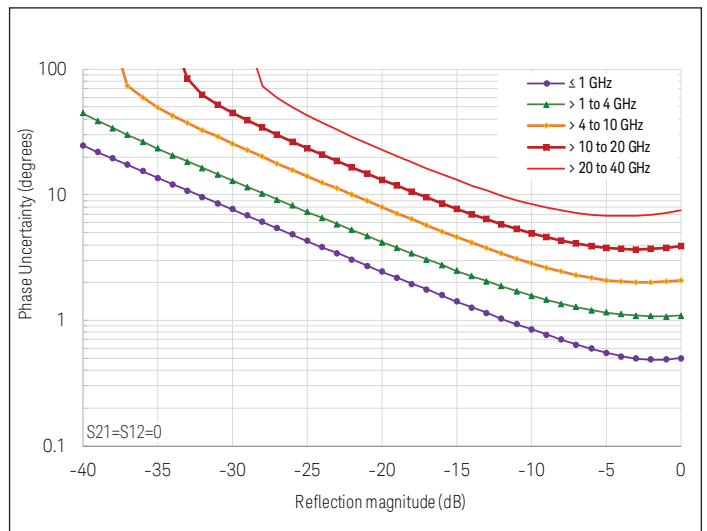
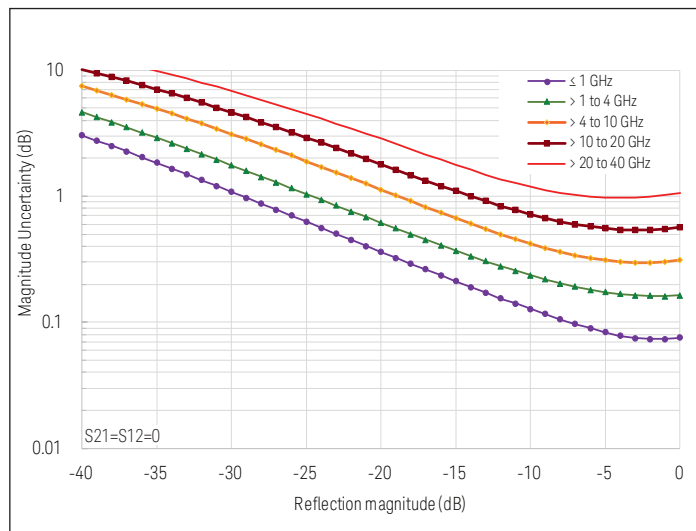
Full 2-port calibration, 85561A 2.92 mm (f) calibration kit, specifications¹

Power level of -15 dBm, 10 Hz IF bandwidth, no averaging, battery saver off, and 60-minute warm-up time. Includes uncertainties due to drift, noise, compression, and dynamic accuracy. Coverage factor of x1 applied to uncertainties, for ease of comparison with other industry handheld analyzers.

Transmission uncertainty (S21, S12)



Reflection uncertainty (S11, S22)



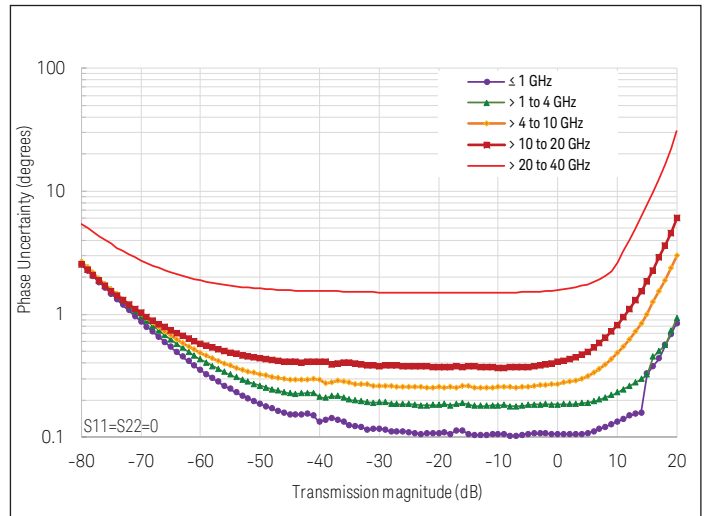
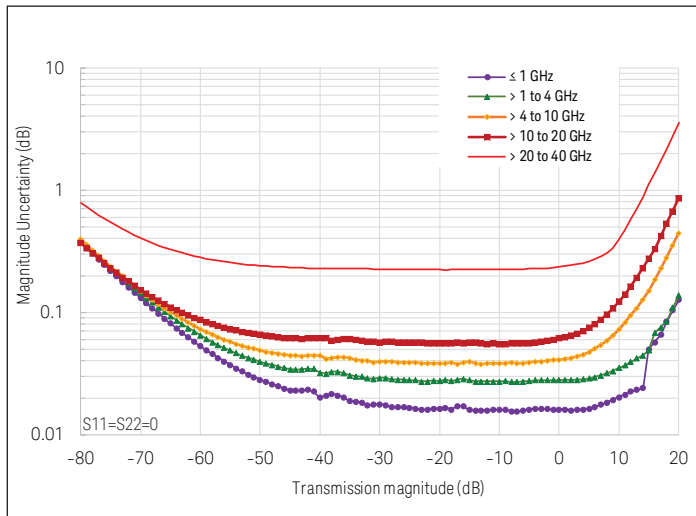
1. Uncertainty curves shown are calculated based on ISO GUM methodology.

Corrected Measurement Uncertainty for N9950A/51A/52A (continued)

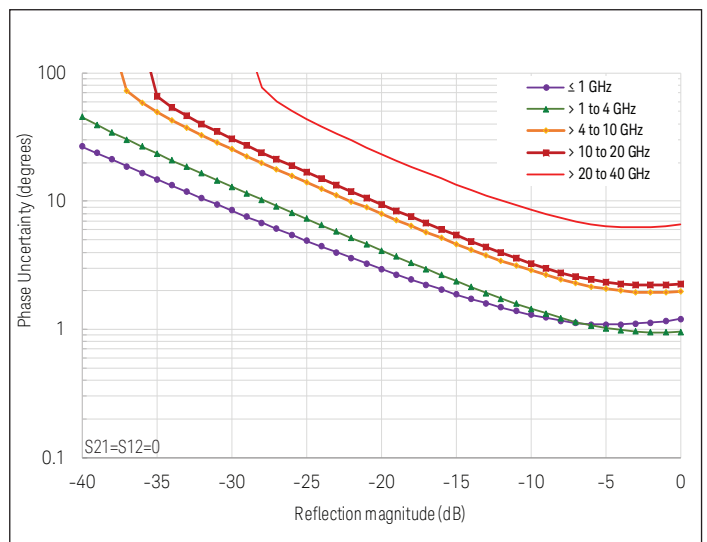
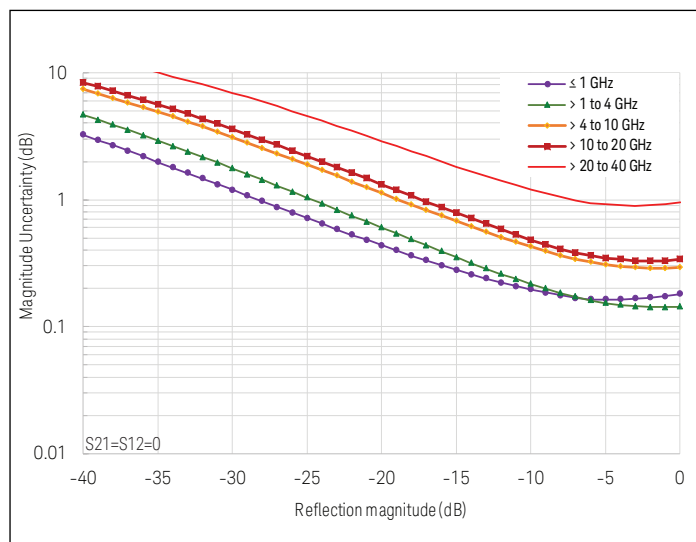
Full 2-port calibration, 85562A 2.92 mm (m) calibration kit, specifications¹

Power level of -15 dBm, 10 Hz IF bandwidth, no averaging, battery saver off, and 60-minute warm-up time. Includes uncertainties due to drift, noise, compression, and dynamic accuracy. Coverage factor of x1 applied to uncertainties, for ease of comparison with other industry handheld analyzers.

Transmission uncertainty (S21, S12)



Reflection uncertainty (S11, S22)



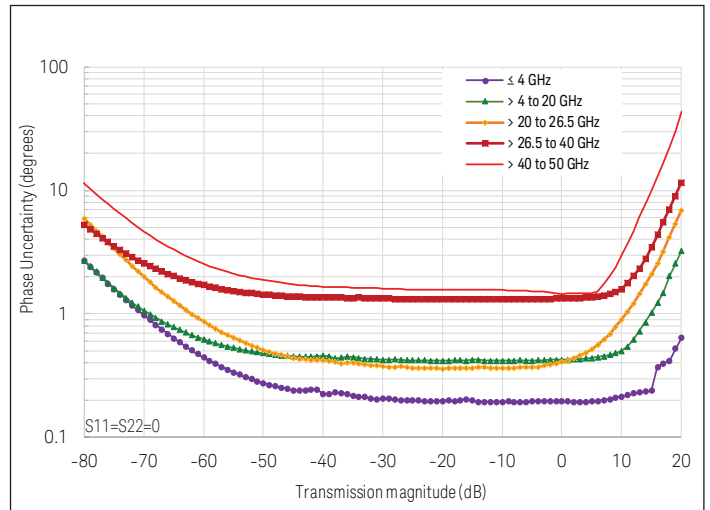
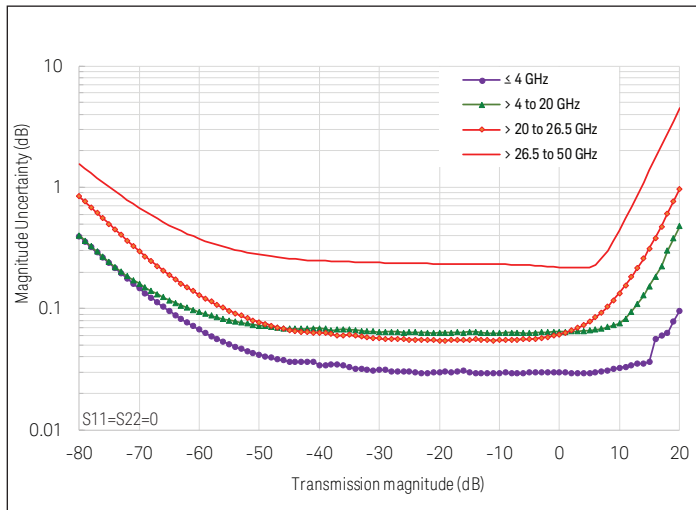
1. Uncertainty curves shown are calculated based on ISO GUM methodology.

Corrected Measurement Uncertainty for N9950A/51A/52A (continued)

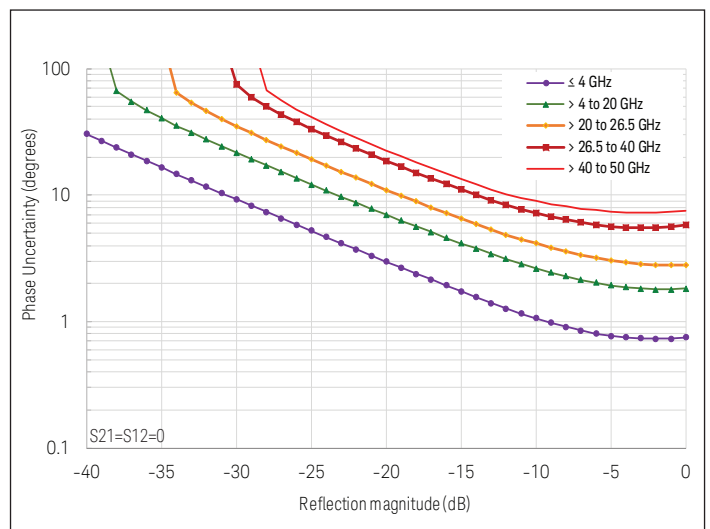
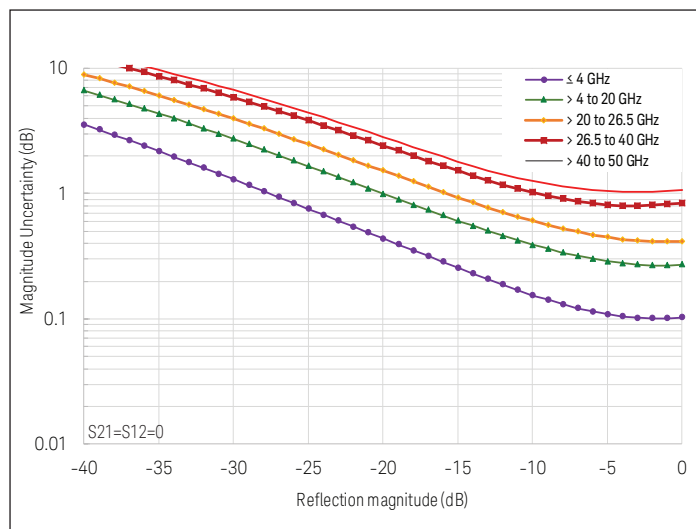
Full 2-port calibration, 85563A 2.4 mm (f) calibration kit, specifications¹

Power level of -15 dBm, 10 Hz IF bandwidth, no averaging, battery saver off, and 60-minute warm-up time. Includes uncertainties due to drift, noise, compression, and dynamic accuracy. Coverage factor of x1 applied to uncertainties, for ease of comparison with other industry handheld analyzers.

Transmission uncertainty (S₂₁, S₁₂)



Reflection uncertainty (S₁₁, S₂₂)



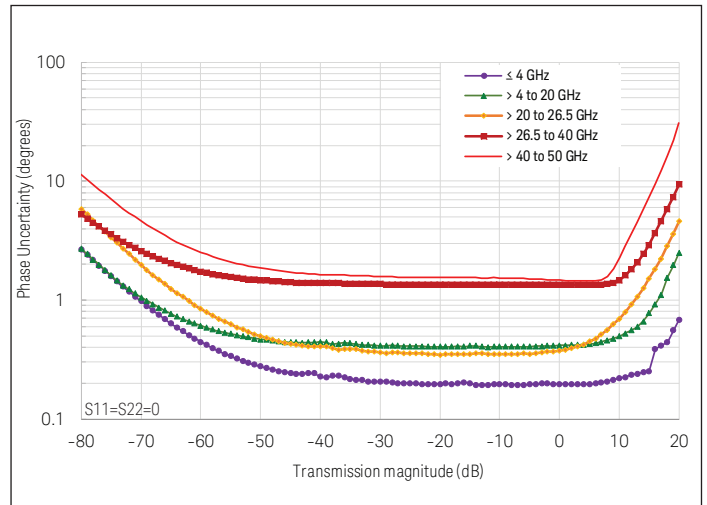
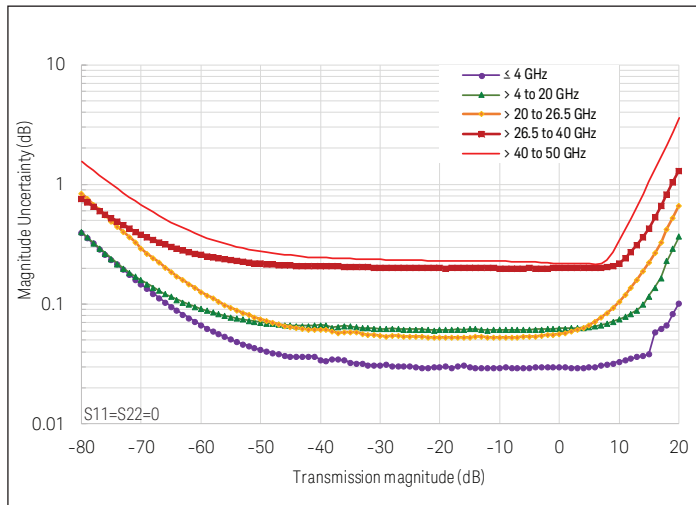
1. Uncertainty curves shown are calculated based on ISO GUM methodology.

Corrected Measurement Uncertainty for N9950A/51A/52A

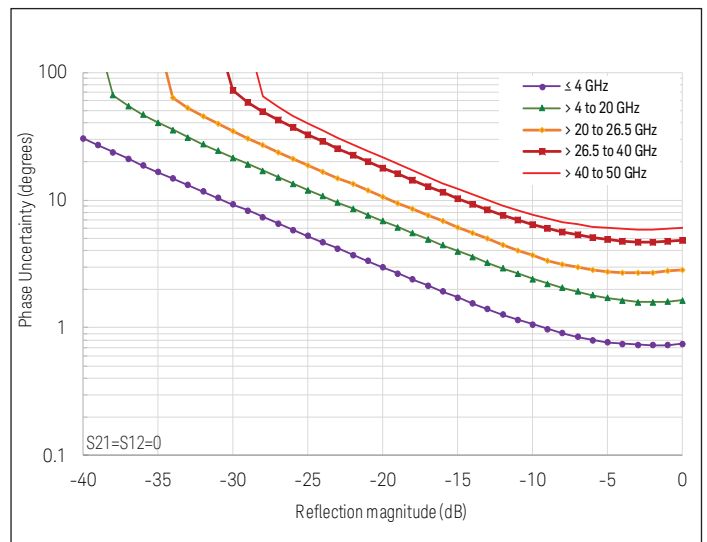
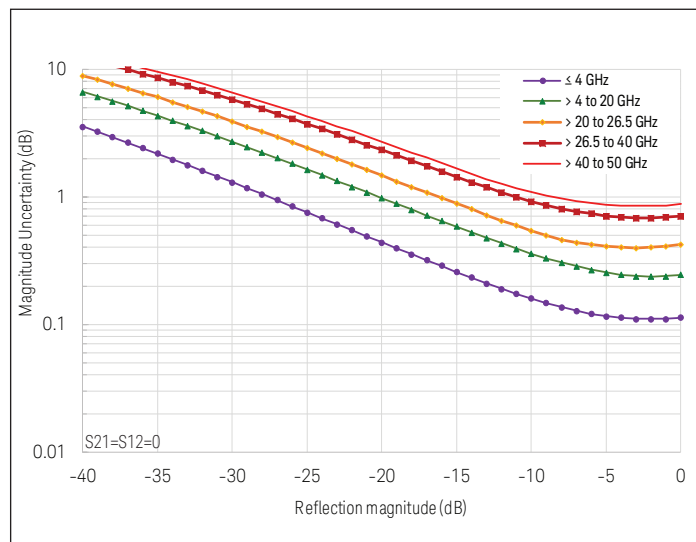
Full 2-port calibration, 85564A 2.4 mm (m) calibration kit, specifications¹

Power level of -15 dBm, 10 Hz IF bandwidth, no averaging, battery saver off, and 60-minute warm-up time. Includes uncertainties due to drift, noise, compression, and dynamic accuracy. Coverage factor of x1 applied to uncertainties, for ease of comparison with other industry handheld analyzers.

Transmission uncertainty (S21, S12)



Reflection uncertainty (S11, S22)



1. Uncertainty curves shown are calculated based on ISO GUM methodology.

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