Keysight Technologies
FieldFox S-Parameter Measurement Uncertainty

N9950A
N9951A
N9952A

Data Sheet

This document is an addendum to the main FieldFox Data Sheet,
http://literature.cdn.keysight.com/litweb/pdf/5990-9783EN.pdf

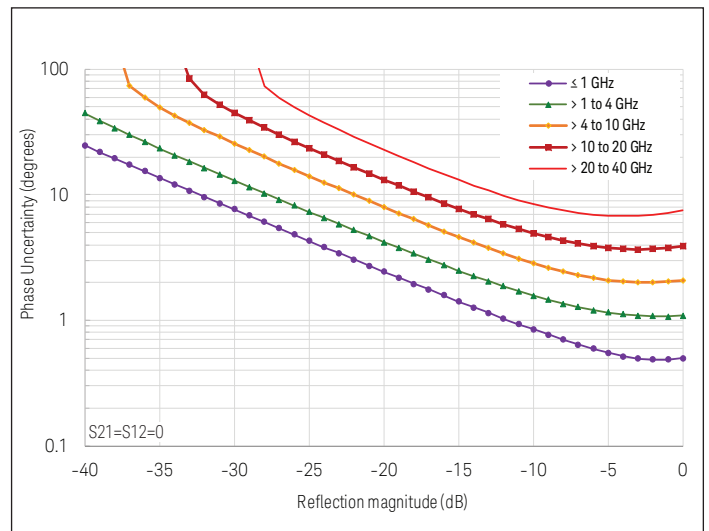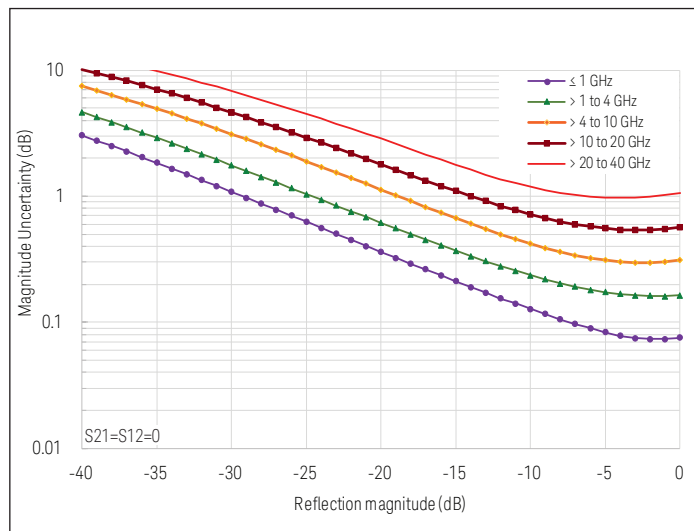# Corrected Measurement Uncertainty for N9950A/51A/52A

Full 2-port calibration, 85561A 2.92 mm (f) calibration kit, specifications[1]

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)
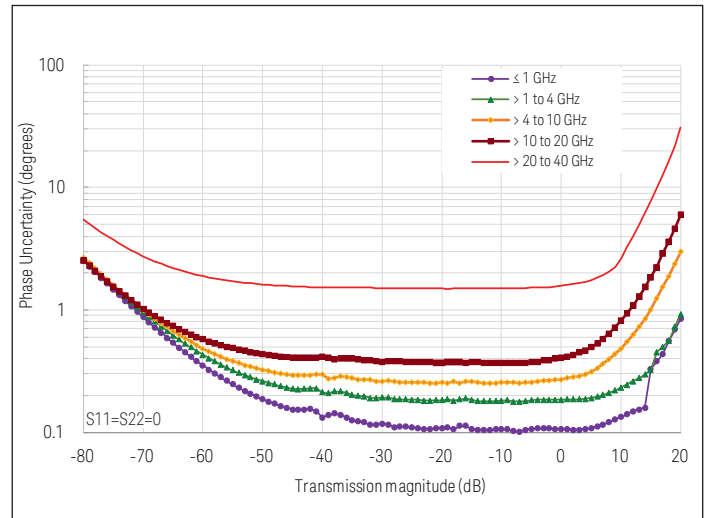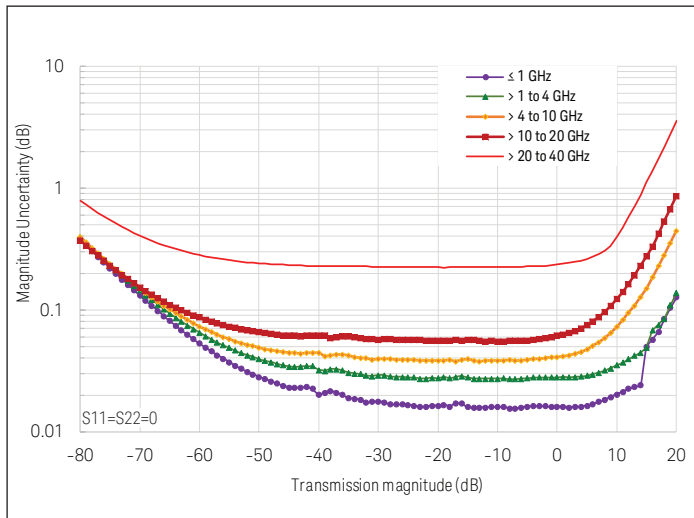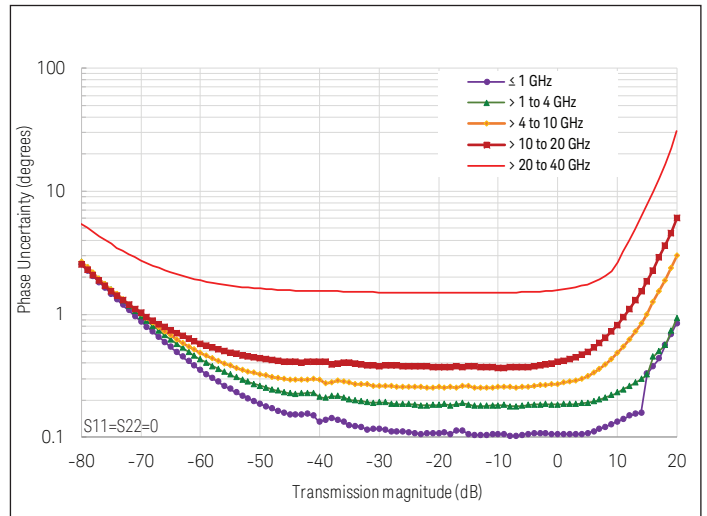

Reflection uncertainty (S11, S22)

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, specifications[1]

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)

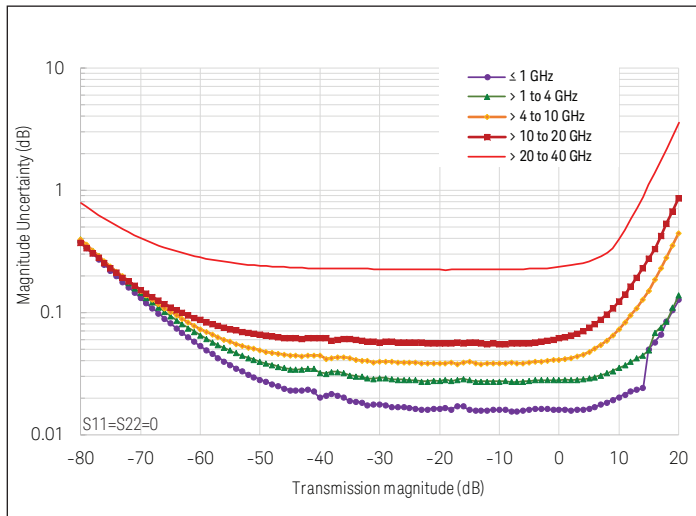### Reflection uncertainty (S11, S22)

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

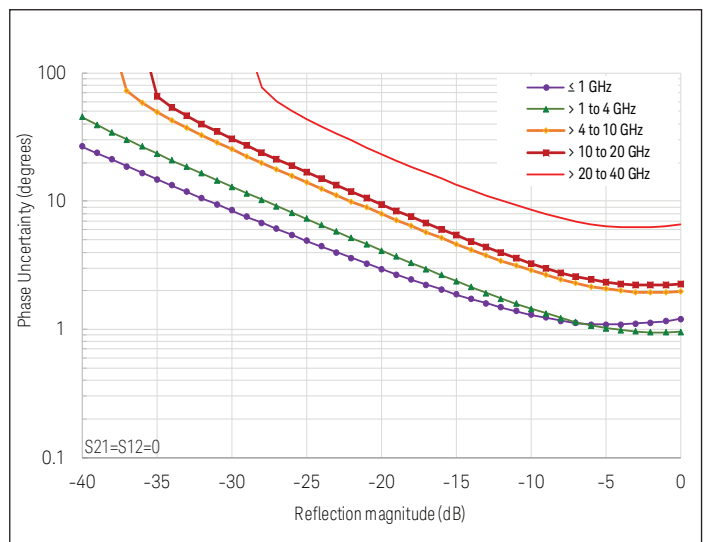# Corrected Measurement Uncertainty for N9950A/51A/52A *(continued)*
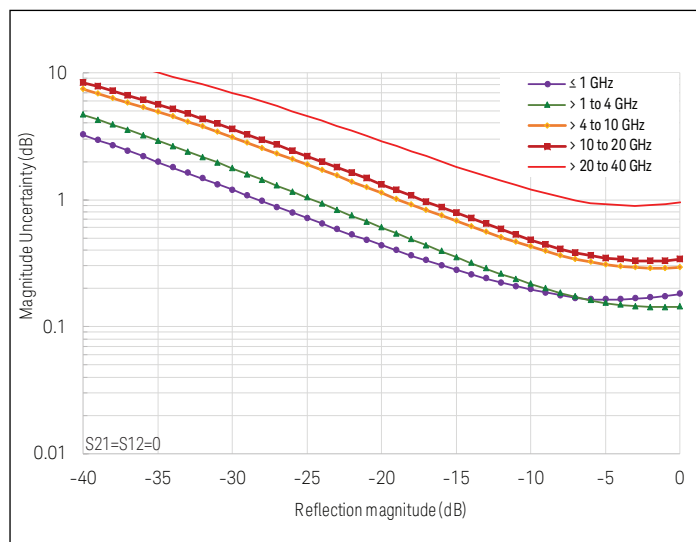
Full 2-port calibration, 85563A 2.4 mm (f) calibration kit, specifications[1]

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)
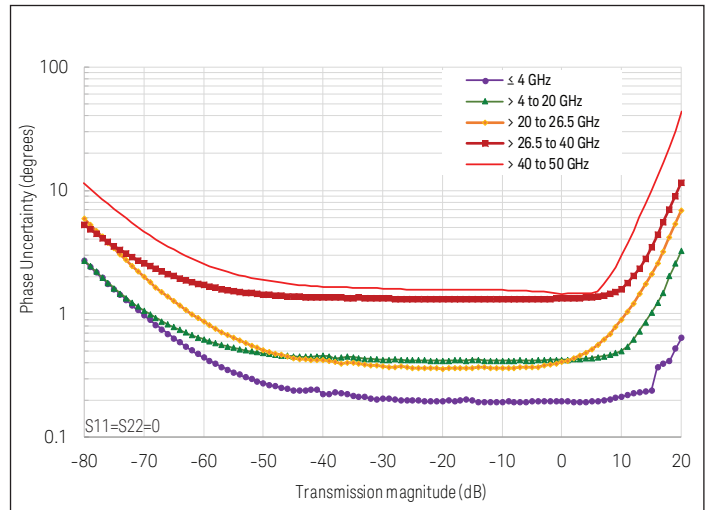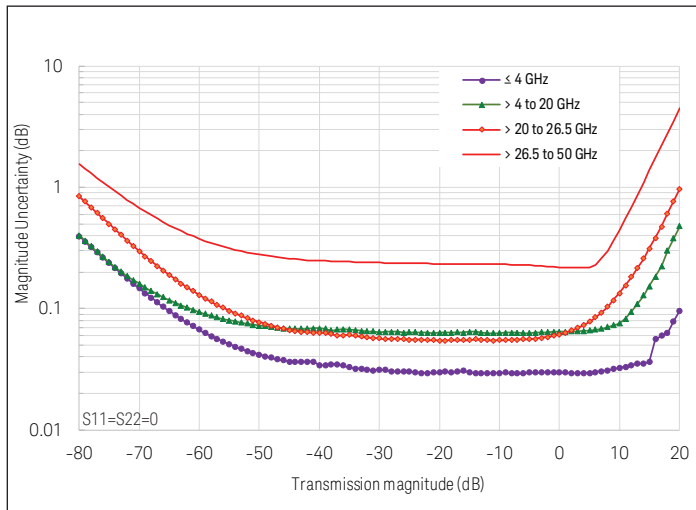

Reflection uncertainty (S11, S22)

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

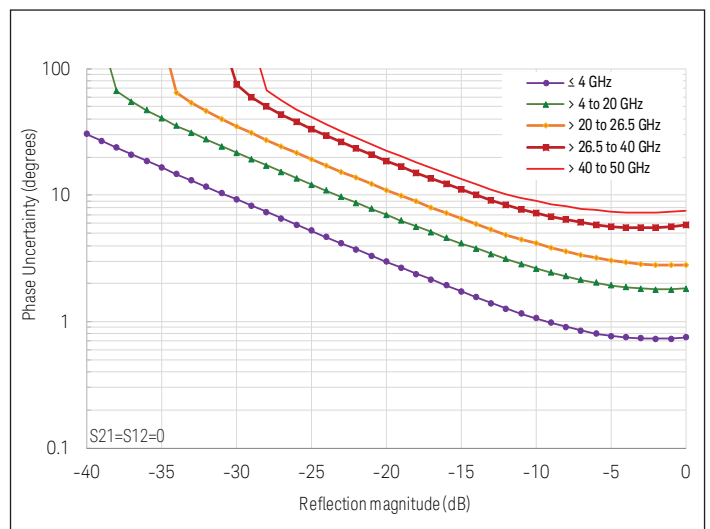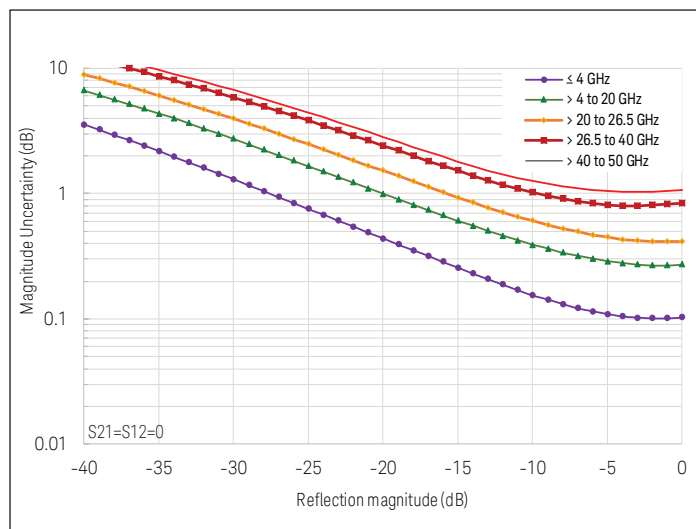# Corrected Measurement Uncertainty for N9950A/51A/52A

Full 2-port calibration, 85564A 2.4 mm (m) calibration kit, specifications[1]

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.

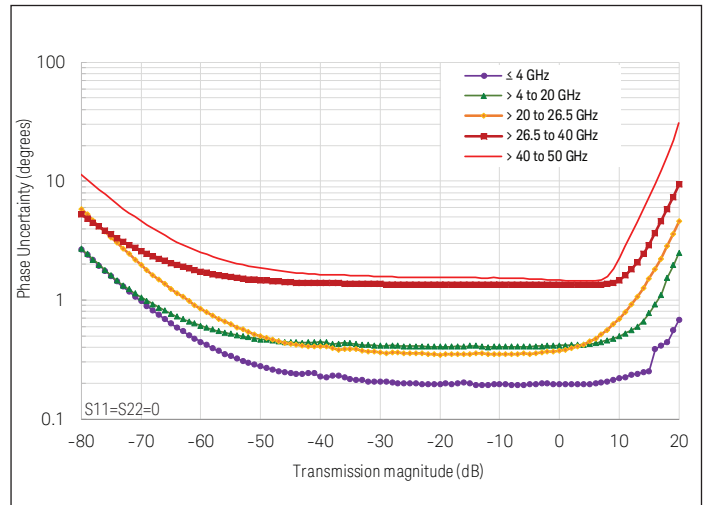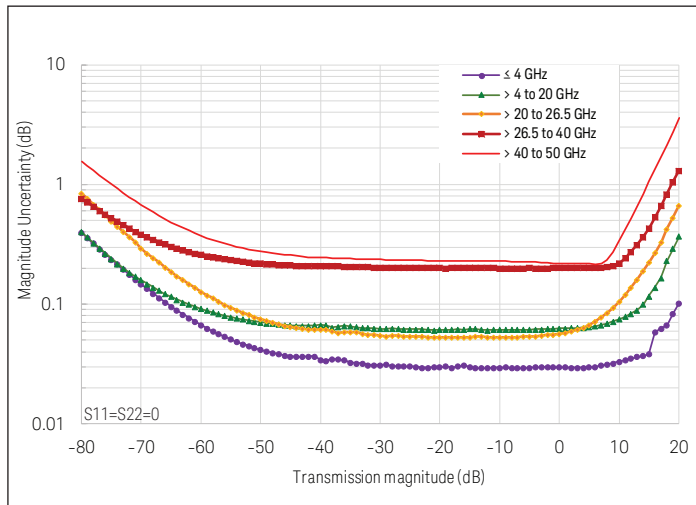## Transmission uncertainty (S21, S12)

Reflection uncertainty (S11, S22)
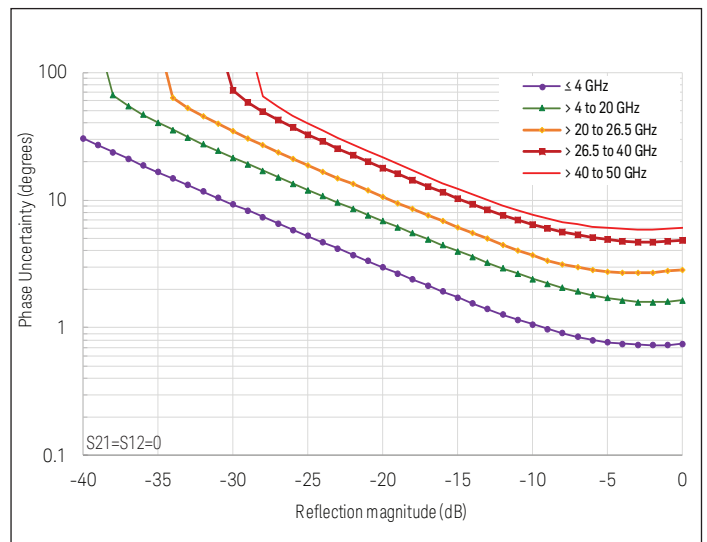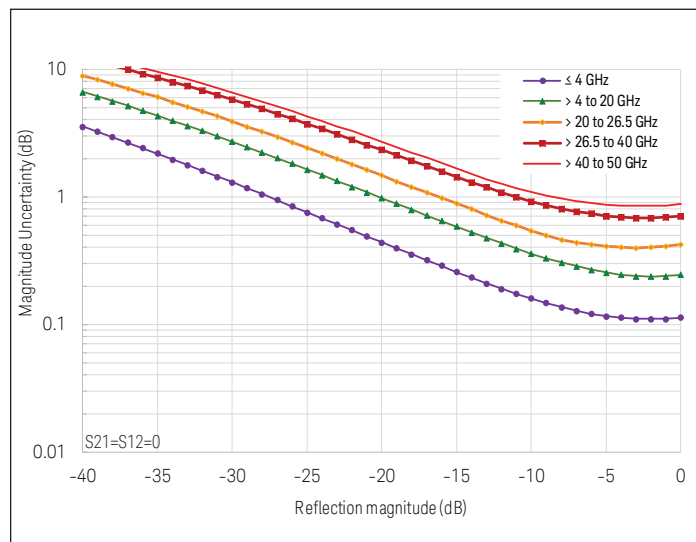
1. Uncertainty curves shown are calculated based on ISO GUM methodology.

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