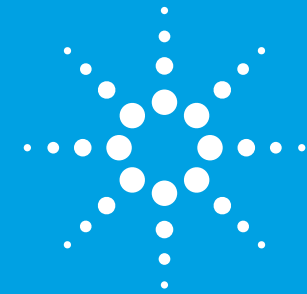# Top 3 Reasons to Upgrade to the NEW MXA N9020A-503, -508, -513, -526 Signal Analyzers, 20 Hz to 3.6 Hz, 8.4 Hz, 13.6 GHz or 26.5 GHz*

*If you currently own one of these legacy spectrum analyzers: 856xE/EC (Trade-In ID#: T-WW-12-003)

PREMIUM
TRADE-IN
SOLUTIONS

TOP 3 REASONS TO UPGRADE

1. **FASTER MEASUREMENT SPEED AND HIGHEST AMPLITUDE ACCURACY.**

2. **WIDEST RANGE OF NEW APPLICATION CAPABILITIES WITH MINIMAL DISRUPTION.**

3. **GET THE GREATEST IMPACT FOR YOUR CAPITAL EXPENDITURE WITH MINIMUM $15K SAVINGS.**

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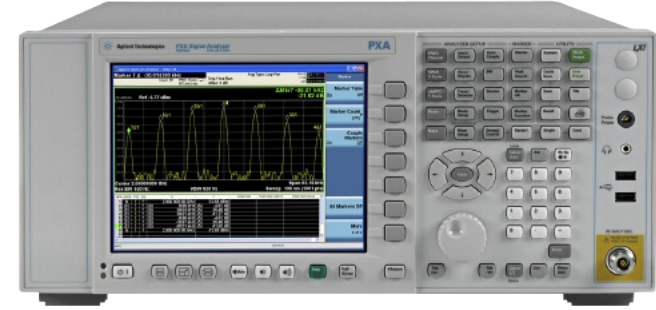
1. FASTER MEASUREMENT SPEED AND HIGHEST AMPLITUDE ACCURACY.

We can help you:

- **Increase device** test throughp with up to 10x faster sweep speeds.

- **Measure low-level signals,** such as spurs, with increased sensitivity due to a 10 db improvement in displayed average noise level (DANL) using the MXA optional built-in preamplifier.

- **Resolve closely spaced, unequal signals.** Unlike the analog resolution bandwidth filters used in the 856x spectrum analyzers, the MXA employs digital filters with improved shape factor characteristics.
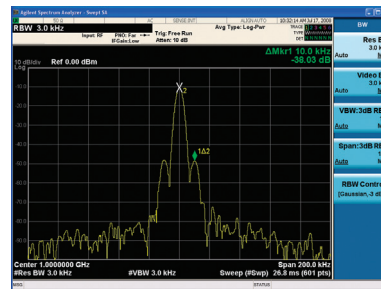
Testing a 2.5% depth AM signal with an MXA (RBW = VBW = 3 kHz), the AM sideband can be clearly seen (at Marker 1Δ2).
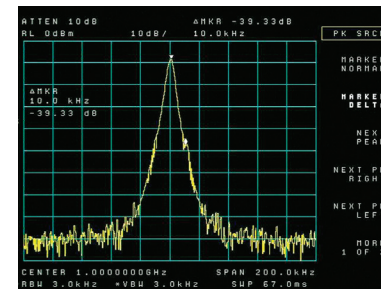
Testing the same signal with an 8562EC (RBW = VBW = 3 kHz), the AM sideband is covered by the RBW skirt and cannot be detected.

Agilent 8562EC versus MXA sweep speed comparison.
13.2 GHz full sweep, RBW = VBW = 1 MHz

Agilent 8562EC: 260 ms
Agilent MXA: 22 ms

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2. WIDEST RANGE OF NEW APPLICATION CAPABILITIES WITH MINIMAL DISRUPTION.

We can help you:

■ **Minimize remote code switching cost.** A remote language compatibility (RLC) application (N9061A-2FP) allows seamless communication between your existing 856xE/EC automated test code and the SCPI command-based MXA.

■ **Minimize test rack re-configuration.** The 4-RU MXA easily fits in the same space as your existing 5-RU 856x spectrum analyzer. The MXA can also be configured for portable operation.

■ **Maximize productivity by minimizing equipment setup time.** The MXA supports over 10 measurement applications such as phase noise, noise figure and analog demodulation.

■ **Achieve deep analysis** of over 50 different modulation formats using the industry leading 89601A vector signal analyzer (VSA) software – which can run directly on the MXA.

Related literature	
Publication title	Pub number
7 Reasons to Migrate from HP/Agilent 856xE/EC Spectrum Analyzers to Agilent X-Series Signal Analyzers	5989-9356EN
Agilent MXA Signal Analyzer N9020A Data Sheet	5989-4942EN

3. GET THE GREATEST IMPACT FOR YOUR CAPITAL EXPENDITURE WITH MINIMUM $15K SAVINGS.

For a limited time, we can help you upgrade to the new MXA N9020A signal analyzer for less when you trade-in your older 856x portable spectrum analyzer.

Trade-in model	Minimum Trade-in credit**
8560A/E/EL/EC, 8561A/B/E/EC, 8562A/B/E/EL/EC, 8563A/E/EC, 8564E/EC, 8565E/EC	$15K

** Credit values are approximate and vary by currency. Contact your Agilent sales representative to find out how much you can save.

MXA configured with portability Option PRC.

Upgrade TODAY

To Trade-in your older spectrum analyzer for the new MXA N9020A-503, -508, -513, -526 signal analyzers, contact your Agilent sales representative or visit us online at www.agilent.com/find/trade-MXA-PXA

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