

Post-NAB: AUI Update

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AUI



**Where is
the new
AUI?**

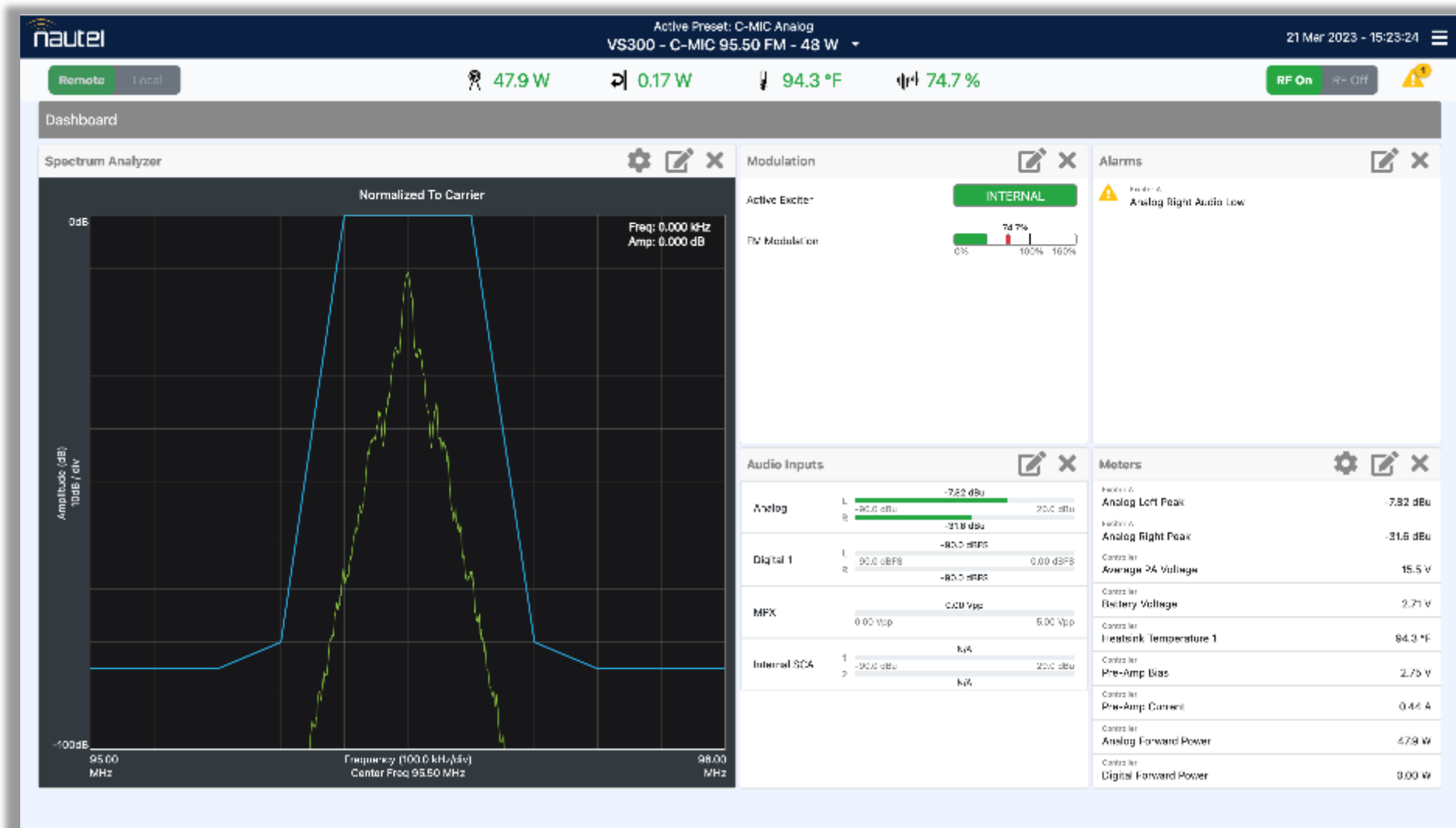
AUI – Goals & Hurdles

- Firmware versions and upgrading
 - Unexpected challenges for VS caused ripple impact on all schedules
- Technology evolution
 - Putting new tech on old tech takes time and has risk
- Quality target set high to avoid off-air
- Feature-match with Flash version

AUI

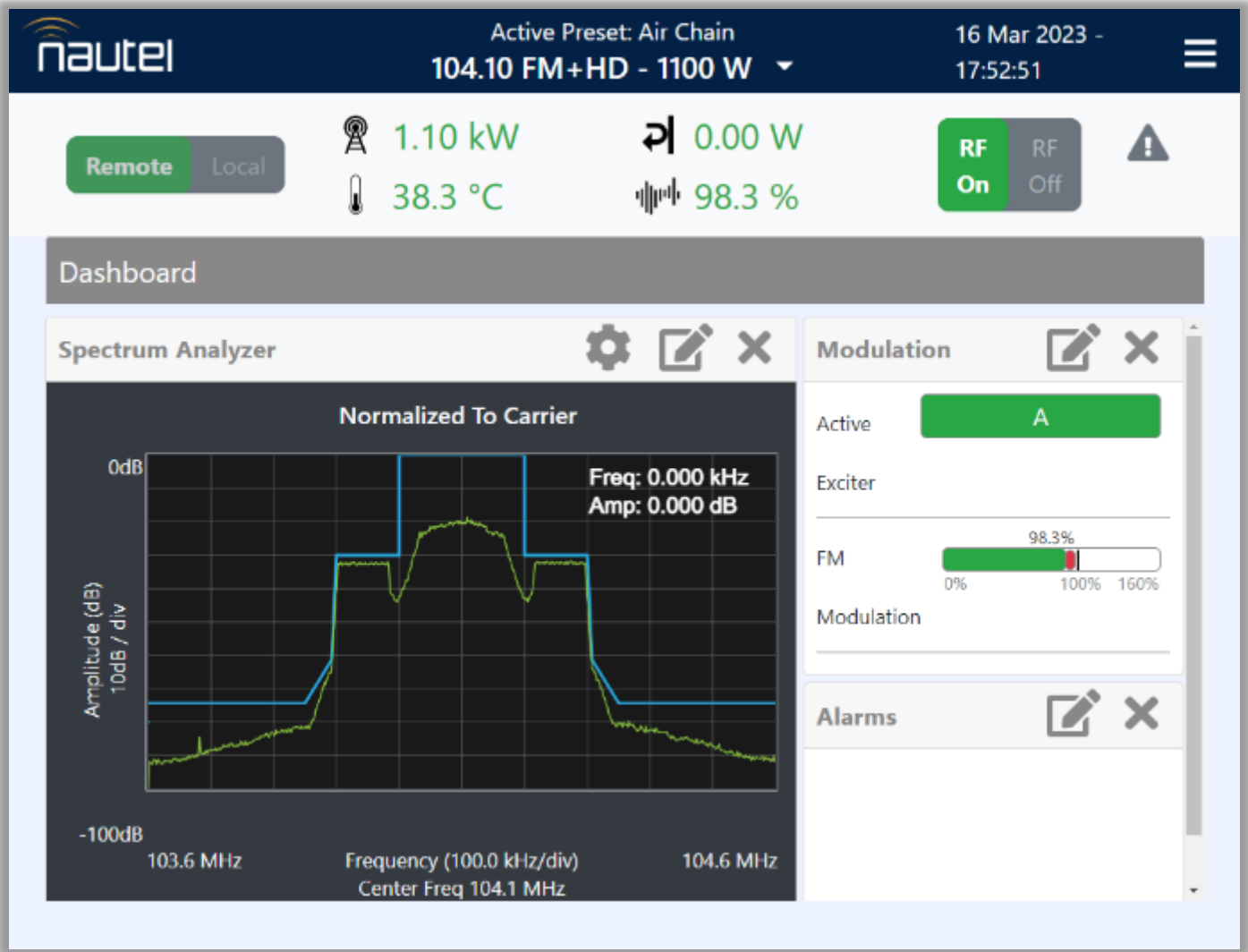
We are here...

AUI



VS300 remote AUI – Beta 3

AUI



GV10 touchscreen AUI – NAB Alpha



AUI

The screenshot displays the Nautel AUI interface. At the top, the Nautel logo is on the left, and the active preset '98.10 FM - 150 W' is in the center. The date and time '23 Mar 2023 - 23:03:45' are on the right. Below this, there are control buttons for 'Remote' and 'Local', and status indicators for power (0.00 W), temperature (67.6 °F), and modulation (9.1%). A 'RF Off' button is also visible.

The main area is divided into two sections. On the left is the 'Spectrum Analyzer' window, which shows a graph titled 'Normalized To Carrier'. The y-axis is 'Amplitude (dB)' ranging from -100dB to 0dB, and the x-axis is 'Frequency (100.1 kHz/div)' ranging from 97.60 MHz to 98.60 MHz. The center frequency is 98.10 MHz. The graph shows a blue envelope and a green signal trace. On the right is the 'Modulation' and 'Audio Inputs' panel. The 'Modulation' section shows 'FM Modulation' at 9.1%. The 'Audio Inputs' section shows levels for Analog, Digital 1, Digital 2, MPX 1, MPX 2, DMPX 1, and DMPX 2.

Input	L	R
Analog	-62.4 dBu	-62.8 dBu
Digital 1	-90.0 dBFS	0.00 dBFS
Digital 2	-90.0 dBFS	0.00 dBFS
MPX 1	0.00 Vpp	0.28 Vpp
MPX 2	0.00 Vpp	0.00 Vpp
DMPX 1	-90.0 dBFS	0.00 dBFS
DMPX 2	-90.0 dBFS	0.00 dBFS

VX remote AUI



AUI – Development Status

- VS
 - Focus on testing & quality
- VX
 - Shipping
- GV
 - 95% feature complete

AUI – Roll-out

- VS Series: Beta 3 released
- GV Series: internal alpha
- VX Series:
 - 150 W – 2 kW: released
 - 3 kW – 6 kW: internal alpha
- NX, NV^{LT} & NV next

AUI – What's NOT in yet

- HD Radio support
 - Mostly complete
- Mobile device optimization
- Audio Player

Steps to Release

User Interface

- Flash AUI review
- 3rd party design house
 - 5 concepts
- User testing for concepts
- Select concept
- Detailed UX design
- Revisions driven by beta

Software

- Firmware (& boot)
- Operating system
- Middleware
- User interface
- SNMP
- Security
- Builds per Series
- Beta testing per Series

AUI

- Familiar
- Easy-to-learn
- Access from any device
- Touch screen-friendly
- Free upgrade

Next Steps

- Interested in Beta testing AUI?
 - Contact: Matt.Herdon@nautel.com

Online Information



Webinars

<https://www.nautel.com/resources/webinars/>



Nautel Waves Newsletter

<https://www.nautel.com/newsletters/>



YouTube

<http://www.youtube.com/user/NautelLtd>



Online Info, such as the Broadcasters' Desktop Resource

<https://www.thebdr.net/>



THANK YOU!