

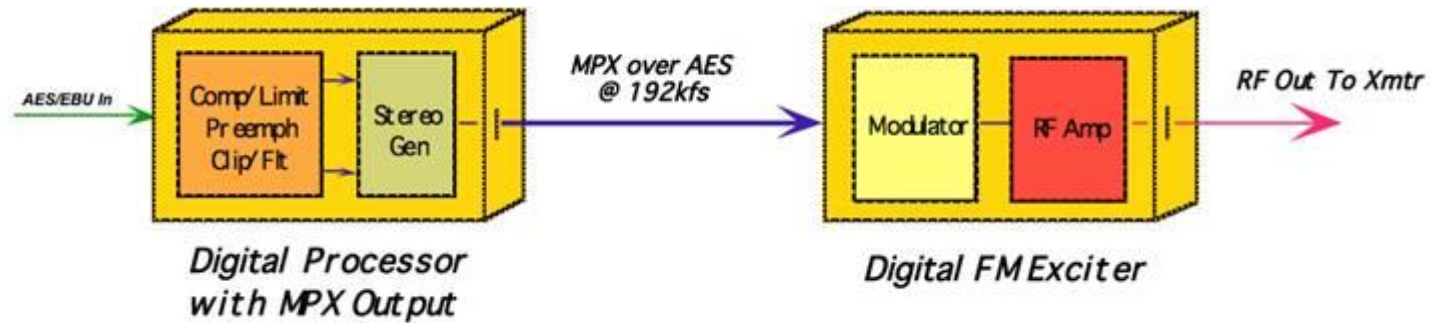
# MPX Over AES

Maximum Station Loudness



Making Digital Broadcasting Work.

# What is MPX over AES?



- Co-developed by Nautel and Omnia and introduced at NAB 2013
- Digital wideband direct connection to the modulator stage of digital exciter
- Zero modulation overshoots! Direct coupling to modulator provides sonic improvement over AES/EBU method
- Eliminates the need for on-board exciter hard limiter as overshoots do not occur from sample-rate-converters because the SRC is eliminated

# What's happened since?

Nautel and Omnia decided to release the standard so that incompatible standards would not be released.



OPTIMOD-FM 8600 DIGITAL MPX



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# What's happened since?

Nautel and Omnia decided to release the standard so that incompatible standards would not be released.

We understand several other transmitter manufacturers have introduced MPX over AES compatibility!



# What's happened since?

When it was introduced, it was just available on the NV series, now it's available on ALL CURRENT FM MODELS:



**NVLT Series**



**VS Series**



**NV Series**



**GV Series**





# MPX over AES - Summary

- MPX over AES was developed by Omnia and Nautel and provides great sonic improvements
- Since introduction, MPX over AES has evolved:
  - ✓ Become a world standard supported by multiple audio processor and transmitter manufacturers.
  - ✓ MPX over AES is now supported by all Nautel current FM models!



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# Thank You



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