

The specialist of Digital Radio transmission systems

Transmitter Manufacturers

Make your transmitter ready for DRM and boost easily and efficiently its DRM output power



DRMCore OEM board from DIGIDIA

The **DRMCore** modulator board allows you to get the best of your transmitter in terms of DRM power, while keeping its output performances and metrics within the DRM specifications (spectrum mask, modulation error ratio or MER...). **DRMCore** has at its output 7dB better than the DRM specifications in term of shoulders, allowing you to increase power at the output of your transmitter.

DRMCore puts at your disposal all the necessary tools to make it happen through a RS232 ASCII basic protocol (enhanced protocol based on XML and through HTTP are also possible as an option). Such tools can be summarized by a set of parameters such as:

- Envelope/Carrier delay,
- Envelope DC component offset (positive and negative),
- Envelope Gain
- PAPR or crest factor
- Digital pre-corrections (non linearity and phase alignment, filter compensation...)

The **DRMCore** modulator board has all the dedicated output types for a perfect interfacing with your transmitter (Digital I/Q, Amplitude/Carrier, direct RF)

Plus:

- Offer to your customers the possibility for your transmitter to operate in Single Frequency Network (SFN) with the internal GPS receiver of the **DRMCore** board,
- Offer to your customers the possibility for your transmitter to Simulcast AM and DRM with or without the 'Spectral Shaping' (*) and with or without the AMSS (equivalent service as FM-RDS for AM),
- Offer to your customers the possibility to insert one DRM Content Server for a direct audio input connection and data insertion with the **ALTO** DRM Content Server product from **DIGIDIA**.

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(*) TDF Patent

Allows to significantly improve the AM reception in Simulcast and with poor/medium AM receivers

Make it happen with



DRMCore
DRM OEM MODULATOR/EXCITER

digital intelligence for next media