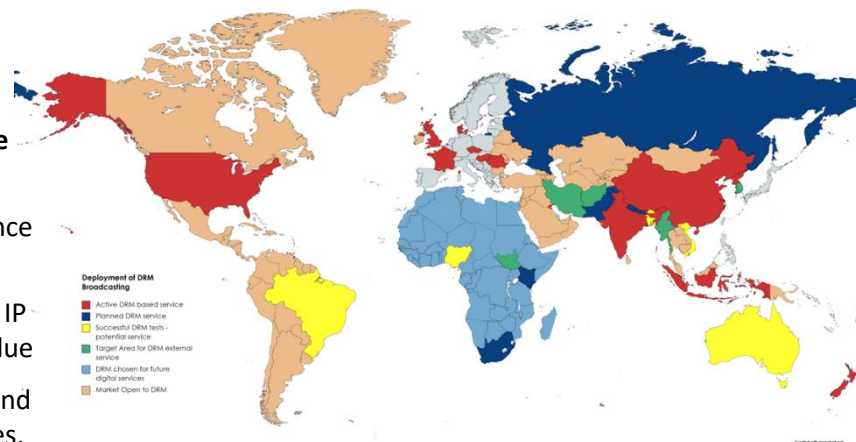


The market for DRM

- Digital Radio Mondiale (DRM) – Digital Broadcast Radio for all
- Suitable for all broadcast bands from low frequency (LF) to Very High Frequency (150kHz to 222MHz) – **Long range wide area to short range high population density** broadcasting
- High quality modern audio codecs to allow premium listening experience regardless of frequencies chosen
- Open standard to ensure a wide diversity of equipment, receivers and IP suppliers – open competition to give the best consumer choice and value
- Wide diversity of content: stereo music, high quality speech, background data services for news, information, education (Journaline) still pictures, short video and much more
- High capacity: more services, more content, more revenue in the available spectrum – The radio spectrum is a limited natural resource DRM uses that resource more cost effectively than analogue or other digital broadcast methods
- **There is a great opening for battery powered receivers with long battery supply and realistic cost base**



Deployment of DRM Broadcasting

- Active DRM based service
- Planned DRM service
- Successful DRM tests - potential service
- Target Area for DRM external service
- DRM chosen for future digital services
- Market Open to DRM

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CMX918 DRM Tuner & DRM1000 Module

- Jointly developed by CML Microcircuits UK Ltd (CML Micro) and Cambridge Consultants (CC)
- **Core component to implement full DRM capable broadcast receiver covering all bands**
- Approx size 48mm x 28mm x 3mm
- Tuning 150kHz to 108MHz with no-gaps and supporting AM/FM/DRM broadcasts
- Antenna to speaker solution including simple portable radio UI without a 'host'
- Serial port control for more complex devices using a 'host' to facilitate an advanced UI, display of data services (Journaline) or to allow embedding in other devices
- Less than 350mW power consumption @ 60% volume driving a 1W speaker in all use cases – no power penalty compared with analogue broadcasting
- Meets DRM Consortium Minimum Receiver Specification v4.2, support for Emergency warning function, alternative service frequencies etc.
- All DRM modes and codecs included
- Use of the module includes license to use all relevant patents and IP as used in the DRM standard by the receiver manufacturer
- A pre-engineered building block to allow local manufacturers to flourish in their 'home' markets
- Key Benefits: **Power**, **Size**, **Cost**

