

Hürtgenwald in North Rhine-Westphalia gets a new DAB + antenna

A powerful KATHREIN special antenna goes into operation and now also provides in-house reception

by: Viktor Mann and Wolfgang Niedhammer, KATHREIN Broadcast GmbH, Rohrdorf, 21.06.2021

Another step with the declared goal of significantly improving in-house reception for the first DAB+ multiplex in channel 5C has now been taken with the installation of a new, high-performance DAB+ transmitting antenna from KATHREIN at the "Hürtgenwald" location in North Rhine-Westphalia. The antenna is a 2-level double dipole antenna that is operated in vertical polarization.



picture 1, above:
The DAB+ transmitting antenna with four vertical dipoles



picture 2, left:
KATHREIN engineer Viktor Mann on the ascent to the DAB+ antenna at a height of 116 m on the transmission tower "Hürtgenwald"

KATHREIN project and acceptance engineer Viktor Mann (left in the picture) explains to us: "This antenna and a sophisticated technology, including the simulation of the radiation properties on a concrete tower with a relatively large cross-section, also ensure that the requirements for the best signals in the supply area are met and at the same time the radiation to neighboring country Belgium is sufficiently suppressed. Not that easy, it takes a lot of experience".

The installation and compliance with the specifications and parameters have been checked. Viktor Mann, together with the customer and operator of the system, attests that "Everything is great. Finally, one last power test, then the Hürtgenwald transmitter can go on-air and start regular operations", summarizes Viktor Mann.

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