

VD RF Horizontal Noise Report

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Problem description

We checked signal stream database, V007_2 has side effect in Brazil field stream.

Root cause

V007_2 adds hsync width detection in pll phase error calculation to improve false detection caused by broken hsync in fading channel. The detection also reduces the sensitivity for Brazil field stream in our signal database. Therefore the signal can't be detected normally as V007_1.

Solution

Please update new dsp code V007_3 for DVB model. The new function to fix Indonesia issue is controlled by AFEC_D9[0] and is only effective when video standard is PAL. When AFEC_D9[0]=1, the function is enabled, otherwise is disabled. Please enable AFEC_D9[0]=1 for Indonesia model, and disable it in other countries.