

Technical Tip System Testing with DIRECTV channels 100 /113 10/22/2021

Purpose:

This Technical Tip addresses problems when setting up and testing COM3000 / Blonder-Tounge transcode systems using DIRECTV channels 100/113.

Overview

DIRECTV sends new ECM messages about every 30 seconds. When all tuners are set to the same channel (100 and 113 are from the same source) the COM51 is not able to process the simultaneous ECM messages. This results in a slight video glitch when viewing MPEG4 video, however it will cause the Blonder Tounge transcoder to malfunction.

When tuned normally to different channels, the ECMs arrive at different intervals which the COM51 can process without problems.

Recommended Practice

When testing a COM300 / Blonder-Tounge transcoder system, do not tune more than 8 tuners to the same channel (100/113). Run tests using tuners 1-8, close tuners then test 9-16 etc.