Which Timecode source generator does CSPI use for its internal testing of 10G-PCIE2-8C2-2S-SYNC network adapters?

Model:

10G-PCIE2-8C2-2S-SYNC

Software:

N/A

Operating System:

Supports both Linux and Windows Operating Systems.

Information:

CSPI has used several timecode sources to create the frequency reference for our testing. We tested with the Tycho CDMA Frequency Reference from EndRun Technologies, with "Programmable Digital Output Modules," to generate IRIG-B000 timecodes. We also tested with a Spectracom Master clock which was a modular unit. With this unit, we tested with the IRIG 1204-05 module which provided one port that could be configured to output an IRIG signal; they also have a 4-port module available.

In addition, we tested with the Symmetricom XLi unit. It has one timecode port capable of IRIG-B00X, but it is modular, and one module you can buy, for example, is a 4-port expansion card that can be configured to have 4 IRIG-B00X outputs.

All references must have a clock with an output capable of dc output (usually marker as 'dc code') and must output IRIG-B00X.

For example, you could use a Frequency Reference with a base system outputting in IRIG-B122/B002 format, as long as the individual ports are set to output a digital time code (with a port labeled 'DC PORT')- and not a pps signal, or an AM (Amplitude Modulated) code.

Revision	Date	Change
1	8/10/2016	Initial Draft