Federal Agencies Digitization Guidelines Initiative

Appendix to the report "ADC Performance Testing: Report on Project Development During 2015."

Submitted by AVPreserve
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Introduction

The materials associated with this readme file, zipped for dissemination to interested parties, were prepared by AVPreserve for the Federal Agencies Digitization Guidelines Initiative (FADGI; http://www.digitizationguidelines.gov/), under the terms of contract LCOSI14P0030 with the Library of Congress.

These materials and their use are fully described in the accompanying report, "ADC Performance Testing: Report on Project Development During 2015," available from this web page: http://www.digitizationguidelines.gov/guidelines/digitize-audioperf.html. The materials are experimental and a work in progress. They are being shared with the preservation community in that spirit, on an "as is" basis, without warranties or conditions of any kind. As described in the report, they were developed for the Audio Precision AP 2722 analyzer used by the FADGI project, and they may or may not work with other AP 2700 series devices, dependent on the options and configuration of the device.

As outlined in the associated report, the FADGI ADC performance testing project will continue during 2016, and the materials included in this set will evolve as the project evolves. Persons interested in following the effort are encouraged to contact the FADGI Audio-Visual Working Group Coordinator, Kate Murray (kmur@loc.gov).

AP 2722 Folder Manifest and Instructions

.at27 files: Test files loaded from within AP 2722 software for initial test setup

.adl files: AP 2722 limit files which are used in testing to define the pass/fail thresholds for a given test.

.apb files: AP macro files that perform automated routines, including the creation of Excel documents.

.ads files: These are AP 2722 sweep table files that define which frequencies to measure for a given test.

_linearity.xlsx: The template used by the programmed automation to create the Excel file containing results when the Amplitude Linearity test is run.

intermod_ccir.xlsx: The template used by the programmed automation to create the Excel file containing results when the HF IMD test is run.

Instructions for running
- Open Test file
- Go to Macro, show panel
- Go to file menu, select open
- Open the .apb file

- Hit the play button in the Macro panel

This process will call on all other appropriate files. Filepaths will need to be updated within the .apb files to run properly.