FmcAdc100M14b4cha test procedure summary

Rev. 1.0

Always wear an anti-static wrist band when doing this procedure

1	Place the bar-code sticker on the FmcAdc100M14b4cha board under test. The sticker should be placed with the bar-code next to the edge.
2	Place the FmcAdc100M14b4cha board under test on the FMC connector of the SPEC board. Fix the FmcAdc100M14b4cha board to the SPEC board using the provided screws.
3	Connect the cable labelled "TRIG" to the "TRIG" input of the FmcAdc100M14b4cha board.
4	Connect the four other LEMO 00 cables to "CH1", "CH2, "CH3" and "CH4" inputs of the FmcAdc100M14b4cha board. Note that the order doesn't matter.
5	Plug the SPEC board in the corresponding connector of the PCIe Extender.
6	Make sure the AWG is switched ON.
7	Switch on the computer.
9	After the computer has finished with the booting procedure, a terminal appears automatically in the middle of the screen.
10	Type "test" then [ENTER] to start the test program.
11	Type the password: **baraka**
12	The program asks for the serial number of the board. Use the bar-code reader to read the code on the sticker, then press [ENTER]. If needed, type the second serial number and press [ENTER]. If the second serial number is not needed, just press [ENTER].
13	The software will automatically start executing tests 0 to 09.
14	Test 03 require the user's intervention to visually check the LEDs.
15	Wait for the tests to finish.
16	At the end of the tests the user will be asked if the tests should be repeated. **In case of no errors: Type [n] and then [ENTER]** to quit the test program. **In case of errors: Type [y] and then [ENTER]** to repeat the tests once.
17	To exit the test program press [ENTER].
18	Switch off the machine. Click on the power button placed in the upper right corner of the desktop and select **Shut Down**.

Once the testing has finished all the errors that may have appeared will be listed on the screen. The log files containing more detailed information on each test will be saved in: **/home/user/pts/log_fmcadc100m14b4cha**

Log files with detailed descriptions of the tests will have been automatically generated and archived in a .zip file called:
zip_run_<run id>_<timestamp>_FmcAdc100M14b4cha_<serial number>.zip

If you need to repeat the tests more than two times for the same board, please report to the responsible of tests at CERN.