



## 4900 Series Noise Generator Software v2.23.12 Release Notes

Date	Version	Information
5/31/2022	2.23.12	<ul style="list-style-type: none"> <li>Fixed TR114i3B Test 14.</li> <li>Fixed TR105 Bitswap test.</li> <li>Fixes BA17ade crosstalk noise in the TR115i3.</li> <li>Fixed issue if # AWG cards &gt; # license cards.</li> <li>Updated the config files for the combined noise tests to enable to the distributed port.</li> <li>Added REIN_CNT to TR114B, TR114i2B, TR114i3B. Combined noise REIN test now uses its own version of the REIN file set to the distributed port.</li> <li>Updated FluctRFI1 and FluctRFI2 in TR114B, TR114i2B, TR114i3B to use the distributed ports</li> </ul>
5/14/2021	2.23.6	<ul style="list-style-type: none"> <li>Adds the SHINE Type 4 noise to the ID337i2 library.</li> <li>Updated SRA test in TR105, TR115, TR115i2, TR115i3. The noise has been recalibrated when using the 4901-D1-Micro injector so a negative offset can be entered.</li> <li>Fixed library generation bug. Fixed a bug related to the COAX injectors. If the default injector for channel 1 was set to a COAX injector, then any library files generated for non-COAX injectors would erroneously set the line impedance to 75 ohms.</li> <li>Fixes potential compile issue in some prior versions which have been compiled in MATLAB compiler R2013b instead of R2012b. This version brings the 64 bit and 32 bit up to date and compiled consistently/correctly. The required MCR is 8.0 which is already on installed on all 4902 systems.</li> </ul>
3/24/2021	2.23.3	<ul style="list-style-type: none"> <li>Fixed TR115i3 European SRA Test.</li> <li>Fixed TR115i3 North American TARSNRM test.</li> </ul>
2/12/2021	2.23.2	<ul style="list-style-type: none"> <li>Added the bitswap remote command to the 4900 software.</li> </ul> <p>It has the following syntax:</p> <p style="padding-left: 40px;">bitswap:&lt;Channel #&gt;:&lt;Tone Index&gt;:&lt;Tone Spacing [kHz]&gt;:&lt;Tone Power [dBm]&gt;</p> <p>The channel should already have a bitswap noise loaded prior to sending the command. This way, it retains the injector settings, background noise level, etc. of the existing bitswap noise file that was loaded. It simply updates the tone frequency and power, and regenerates (overwrites) the noise file automatically. It checks for the string "Bitswap_tone" in the noise file on the specified channel before updating. This is to make sure you don't accidentally apply an RFI tone to the wrong channel and change the wrong noise file.</p> <ul style="list-style-type: none"> <li>Removed '-50dBm' from filename for bitswap tone tests in TR115, TR115i2, and TR115i3.</li> </ul>
12/10/2020	2.22.7	<ul style="list-style-type: none"> <li>Fixes issues with TR-114i3B D&amp;UPBO settings not being set for the BA17ade D&amp;UPBO 600m noise.</li> </ul>
8/26/2020	2.22.5	<ul style="list-style-type: none"> <li>Updated ID-337i2 SHINE noise files. Changed noise level from -90 dBm/Hz to -95 dBm/Hz as required as of ID-337i2 rev 09.</li> <li>Fixed issue causing TR-114i3B test 17 to load BA17a0 noise when it should have been loading BB17a noise.</li> <li>Added missing Virtual noise in TR-114i3B test 27.</li> <li>Fixes max amplitude error when generating ID-337i1 SHINE files.</li> </ul>
5/22/2020	2.21.1	<ul style="list-style-type: none"> <li>Fixes Max power exceeded warning when trying to generate library files after generating a micro interruption test config in TR-115i1,2,3, e.g., TR-115 Test 23, 24.</li> <li>Fixes TR-067 annex B test 4. Noise on CO is supposed to be continuous but only played for 1 second.</li> </ul>



		<ul style="list-style-type: none"> <li>Update error handling to suppress UI error dialog boxes only when the result of a remote command.</li> <li>Updated noise copy utility to work with a source injector that is no longer connected.</li> <li>Fixed TR114A Test 2.</li> </ul>
12/30/2019	2.20.1	<ul style="list-style-type: none"> <li>Added Gfast background noise to pre-defined spectrum options.</li> <li>Changed default noise floor from -140 dBm/Hz to -160 dBm/Hz.</li> <li>Fixed the 30MHz PEIN sequence on times by lowering the burst resolution.</li> <li>Added the TR-115 Issue 3 noise library.</li> <li>Fixed injector configuration issue (only happened since adding Noise Copy feature, when loading software without a prior injector connection).</li> <li>TR115i2: Fixed bitswap tone files.</li> <li>TR067A: Fixed Test 11.</li> </ul>
7/29/2019	2.18.12	<ul style="list-style-type: none"> <li>Fixes issue with generating TR-067 test 7.</li> <li>Allows importing Spirent crosstalk files with the folder import feature.</li> <li>Fixes an issue with ID-337 fluctuating RFI tests not enabling the external clock option for AWG card 2.</li> </ul>
6/25/2019	2.18.7	<ul style="list-style-type: none"> <li>Fixes the issues with micro-interruptions not loading for the 4901-D1, Test 2 in TR114A, TR114i2A, and TR114i3A.</li> </ul>
5/24/2019	2.18.6	<ul style="list-style-type: none"> <li>Increased the maximum amplitude for the 300 MHz injectors to 1.7 V.</li> </ul>
5/9/2019	2.18.4	<ul style="list-style-type: none"> <li>Changed the default noise bandwidth to 300 MHz when a 300 MHz noise injector selected.</li> </ul>
5/6/2019	2.17.7	<ul style="list-style-type: none"> <li>Added support for 4902-2-300L injector types.</li> </ul>
2/27/2019	2.16.8	<ul style="list-style-type: none"> <li>Changed the way the Host ID is determined for the license control. It is now based on the S/N of AWG Card 1 in the 4900 software.</li> </ul> <p>If there is a license.dat file present for the old Host ID method that matches the stored license key, then a new key will not have to be generated. The Host ID displayed by the 4900 software will now be according to the AWG S/N, so any new keys will be generated with the new method.</p>
2/26/2019	2.16.7	<ul style="list-style-type: none"> <li>Fixed TR100A2 Test 7.</li> <li>Fixed TR114i3 Test 34 and 35, 300 m test cases.</li> <li>TR114i3: Added missing 1500m BA8b noise files.</li> </ul>
1/31/2019	2.16.6	<ul style="list-style-type: none"> <li>Added error message if invalid folder is specified in NoiseCopy utility.</li> <li>Added error message if disabled injector is specified in NoiseCopy utility.</li> <li>Fixed AWGNc noise file in TR-114 Annex C libraries.</li> <li>Fixed TR114i2C Test 16.</li> <li>Removed G.SHDSL test 13 case 28-33.</li> <li>Fixes issue when loading a single noise file, in place of another single noise file on a card, the card configuration was not being cleared.</li> <li>Fixed potential problem generating library config files with micro-interrupts or distributed port settings for wrong injector.</li> <li>Fixed issue updating trigger microcut button after clearing the configuration.</li> <li>Fixes the issue ID-337 -110 dBm/Hz AWGN files incorrectly being set to -140 dBm/Hz AWGN.</li> <li>Added improved feedback to the noisecopy remote command. It reports the number of files found and copied. If all files are not copied, there is a warning message that the source folder is case sensitive. It will also prevent the user from copying the same source and destination either through the remote command or in the GUI (it skips the files and issues a warning message).</li> <li>Changed syntax of noisecopy command to noisecopy:serial:channel:folder.</li> <li>Added support for full filenames to noisecopy command (it also supports relative filenames, i.e. stating with 'Noisefiles\' or 'Library\').</li> <li>Added ability to cancel copy process by closing progress window.</li> <li>Added Noise File Copy Utility to advanced injector configuration window.</li> <li>Added Telnet noisecopy command.</li> <li>Added Telnet support for querying offset and margin values.</li> <li>Fixed issue with enabling Telnet automatically.</li> <li>Added the ability to automatically start Telnet remote control with the software.</li> </ul>



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	<ul style="list-style-type: none"><li>• Added remote command 'library:serial:0' to use the old injectors.</li><li>• Fixes issue with noise library files generated for older (non-smart) injectors. The noise files will be created in the base directory of a library and the same files will be used for all older injectors.</li><li>• Fixes issue with card configuration icon being greyed out after clearing configuration.</li><li>• Fixes issue with not being able to run micro interrupt tests when the 4901-D1-Micro is selected.</li><li>• The advanced injector settings button has been moved to the top right next to the WLS settings button.</li><li>• The enable mode field and remote command will be disabled whenever noise is configured on any channel.</li><li>• Added putty.exe to installer package for micro-interrupt controls.</li><li>• ID-337i2: Updated the bitswap and FRA tests to support rev 19.</li><li>• Changed the initial background noise to -160 dBm/Hz for band 2 BLN noise. This should prevent the background noise from going above -140 dBm/Hz when the noise is increased by 20 dB.</li><li>• Added Injector Mode setting for smart injectors.</li><li>• Added enablemode remote command.</li><li>• The injector mode setting works on a per-injector basis. The per-channel controls will change all other channels on that injector.</li><li>• The enablemode remote command changes the setting for a specified injector.</li></ul>
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