



TP-337

G.fast Certification Test Plan

Issue: 4 Corrigendum 1
Issue Date: January 2023

Notice

The Broadband Forum is a non-profit corporation organized to create guidelines for broadband network system development and deployment. This Test Plan is owned and copyrighted by the Broadband Forum, and portions of this Test Plan may be owned and/or copyrighted by Broadband Forum members.

Intellectual Property

Recipients of this document are requested to submit, with their comments, notification of any relevant patent claims or other intellectual property rights of which they may be aware that might be infringed by any implementation of this Test Plan, and to provide supporting documentation.

Terms of Use

Recipients of this document may use it (a) for internal review and study purposes, (b) to provide to the Broadband Forum the comments and notification requested in the preceding paragraph, and (c) if the Recipient is a Broadband Forum member, to implement the Test Plan in a product or service made commercially available. Any other use of this Test Plan is expressly prohibited without the prior written consent of the Broadband Forum.

THIS TEST PLAN IS BEING OFFERED WITHOUT ANY WARRANTY WHATSOEVER, AND IN PARTICULAR, ANY WARRANTY OF NONINFRINGEMENT AND ANY IMPLIED WARRANTIES ARE EXPRESSLY DISCLAIMED. ANY USE OF THIS TEST PLAN SHALL BE MADE ENTIRELY AT THE USER'S OR IMPLEMENTER'S OWN RISK, AND NEITHER THE FORUM, NOR ANY OF ITS MEMBERS OR SUBMITTERS, SHALL HAVE ANY LIABILITY WHATSOEVER TO ANY USER, IMPLEMENTER OR THIRD PARTY FOR ANY DAMAGES OF ANY NATURE WHATSOEVER, DIRECTLY OR INDIRECTLY, ARISING FROM THE USE OF THIS TEST PLAN, INCLUDING BUT NOT LIMITED TO, ANY CONSEQUENTIAL, SPECIAL, PUNITIVE, INCIDENTAL AND INDIRECT DAMAGES.

All copies of this Test Plan (or any portion hereof) must include the notices, legends and other provisions set forth on this page.

© 2022, The Broadband Forum. All rights reserved. This Broadband Forum document (TP-337 Issue 4 Corrigendum 1) specifies the Test Plan on which is based the BBF G.fast Certification Program for G.fast products. Through an open selection process, the Broadband Forum entered into an agreement with one or more independent Test Agencies to offer commercial testing services against this Test Plan and to confirm results to the Broadband Forum in connection with the Forum's delivery of BBF G.fast Certification. Offering Certification testing services against this Test Plan is reserved to the Test Agencies duly authorized by the Broadband Forum. Broadband Forum members can independently test against TP-337 Issue 4 Corrigendum 1, but may only produce limited reports which only detail where a given product has failed a test case

NOTE: The right to display a Broadband Forum Certification Logo may only be granted by the Broadband Forum, and that right is available only to Broadband Forum members that have successfully passed certification testing by a duly authorized Test Agency. Further details on the Broadband Forum Certification Programs can be found at <http://www.broadband-forum.org>

Issue History

Issue Number	Approval Date	Publication Date	Issue Editor	Changes
1	24 July 2017	9 August 2017	Frank Van der Putten, Nokia	Original
2	5 August 2019	5 August 2019	Frank Van der Putten, Nokia	Issue 2
3	1 December 2020	1 December 2020	Frank Van der Putten, Nokia	Issue 3
3cor1	13 May 2021	13 May 2021	Frank Van der Putten, Nokia	Issue 3 Corrigendum 1
4	7 June 2022	7 June 2022	Frank Van der Putten, Nokia	Issue 4
4cor1	18 January 2023	18 January 2023	Frank Van der Putten, Nokia	Issue 4 Corrigendum 1

Comments or questions about this Broadband Forum Test Plan should be directed to info@broadband-forum.org.

Editor	Frank Van der Putten	Nokia
Physical Layer Transmission WA Directors	Herman Verbueken	Nokia
	Evan Sun	Huawei
G.fast & RPF Certification Testing PS Leaders	Frank Van der Putten	Nokia

Executive Summary

This Broadband Forum Test Plan, TP-337 Issue 4 Corrigendum 1, provides some corrigenda to the Broadband Forum Test Plan, TP-337i4.

For additional details about the G.fast Certification Program, including requirements for participation in the program or to view the list of currently certified devices, please refer to the [Broadband Forum website](#).

Corrigenda to Broadband Forum Test Plan TP-337i4

2.2 References

[4] TR-114 Issue 3, *VDSL2 Performance Test Plan – Issue 3*, Broadband Forum ~~2017~~

- Deleted: Amendment 4
- Deleted: 2018
- Deleted: 2

5.4.4.2.1.1 Signal Specification

... **Note:** The modulation on these tones is consistent with the Fluctuating Broadband RFI Model defined in section [D.3.6](#) of TR-114 Issue [3](#) [4].

- Deleted: D.4.6
- Deleted: 2

... The modulating noise SHALL be fluctuating at the syllabic rate and SHALL be subject to fading at a rate and with a time profile representative of night time reception conditions. The fading between different carriers in the set SHALL be independent. In order to achieve the appropriate fading, the dual Arbitrary Waveform Generator (AWG) method specified in section [D.3.6](#) of TR-114 Issue [3](#) [4] SHALL be used.

- Deleted: D.4.6
- Deleted: 2

...

End of Broadband Forum Test Plan [TP-337](#)