

對於各種與 Keysight 8510 相關的應用程式，編程移除切換誤差條件是不可或缺的。我該如何轉換 Keysight 8510 切換誤差條件碼才能與 PNA 碼相容？

Notices

© Keysight Technologies Incorporated, 2002-2020

1400 Fountaingrove Pkwy., Santa Rosa, CA 95403-1738, United States All rights reserved.

No part of this documentation may be reproduced in any form or by any means (including electronic storage and retrieval or translation into a foreign language) without prior agreement and written consent from Keysight Technologies, Inc. as governed by United States and international copyright laws.

Restricted Rights Legend

If software is for use in the performance of a U.S. Government prime contract or subcontract, Software is delivered and licensed as "Commercial computer software" as defined in DFAR 252.227-7014 (June 1995), or as a "commercial item" as defined in FAR 2.101(a) or as "Restricted computer software" as defined in FAR 52.227-19 (June 1987) or any equivalent agency regulation or contract clause.

Use, duplication or disclosure of Software is subject to Keysight Technologies' standard commercial license terms, and non-DOD Departments and Agencies of the U.S. Government will receive no greater than Restricted Rights as defined in FAR 52.227-19(c)(1-2) (June 1987). U.S. Government users will receive no greater than Limited Rights as defined in FAR 52.227-14 (June 1987) or DFAR 252.227-7015 (b)(2) (November 1995), as applicable in any technical data.

Portions of this software are licensed by third parties including open source terms and conditions.

For detail information on third party licenses, see [Notice](#).

對於各種與 Keysight 8510 相關的應用程式，編程移除切換誤差條件是不可或缺的。我該如何轉換 Keysight 8510 切換誤差條件碼才能與 PNA 碼相容？

Contents

對於各種與 Keysight 8510 相關的應用程式，編程移除切換誤差條件是不可或缺的。我該如何轉換 Keysight 8510 切換誤差條件碼才能與 PNA 碼相容？

下列擷取自 Keysight 8510 to PNA Code Translator 應用程式 ("CxL")。摘錄自：**CxL Show Log - Help - Selected Item Help - Translation Issues - Switch Error Terms Removal**

您可以利用相同的演算法，編程移除所有安捷倫網路分析儀的切換誤差條件。但是，Keysight 8510 與 Keysight 8722 可能需要額外的掃描、磁碟連接埠編程，和反比以取得需要的結果。相反地，PNA 允許以簡單編程 (simple-to-program) 的命令，直接單獨存取所有需要的量測比。

如需如何在 Keysight 8510 與 Keysight 8722 上執行 Switch Error Term Removal 的完整資訊，請參閱在 <http://na.tm.agilent.com/misc/> 的檔案 **TRLREF2.RTF**。

下列為用來完成 Switch Error Term Removal 的 8510 命令序列。

USER3；選取 User 參數 3 以設定一個值
DRIVPORT1；將磁碟連接埠設為 1
(連接至連接埠 1 旁的信號源，以量測 THRU)
LOCKA1；將相位鎖定設為 a1 波 (將參考最大的信號)
NUMEB2；將分子設為 b2 波 (我們不能將它設為 a2，因此於稍後反轉)
DENO2A；將分母設為 a2 波
CONV1S；轉換為 $1/(b2/a2)$ 以取得 $a2/b2$

利用 PNA 以單一命令選取等同的量測。以單一命令選取任何接收器為分子，及任何接收器為分母。

下列為上述自 Keysight 8150 轉換至等同 PNA 命令組的命令範例：

CALC1:PAR:DEL:ALL - 刪除PNA上的所有量測。
CALC1:PAR:DEF 'sw_term', R2B,1 - 建立量測 'sw_term'，但是「不會」顯示出來。
頻道編號 = 1
量測名稱 = 'sw_term'
參數 = R2B (= $R2/B$ = 參考接收器連接埠2以測試取樣連接埠B)
連接埠 = 信號源連接埠、連接埠1
DISP:WIND1:TRAC1:FEED 'sw_term' - 在軌跡1中建立一個新的軌跡，並將量測 'sw_term' 關聯 (饋通) 至視窗編號1。

下列為 Keysight VEE 程式執行此程序的影像：

PNA 8510

[Click here for a larger view](#)

