TEST PRODUCT QUALIFICATION REPORT

TITLE:
Test Site Transfer and Die Revision of AD9557
Moved from ADGBO to StatsChipPac Singapore

REPORT NUMBER: PCN 11_0267

REVISION:
A

DATE:
28 March 2012

PROJECT BACKGROUND

Test transfers are carried out to qualified subcontracted sites as an additional test site for ADI devices whose volumes may have sudden increase in requirement, and where ADGBO capacity is a constraint.

SUMMARY

The AD9557 is a low loop bandwidth clock multiplier that provides jitter cleanup and synchronization for many systems, including synchronous optical networks (SONET/SDH). The device is currently tested in ADGBO using a Teradyne Ultraflex test platform. To augment test manufacturing during volumes, the AD9557 is being moved to another ADI qualified test site, StatsChipPac Singapore (SCS) on the same test platform.

There is no change to the form, fit, function, quality or reliability of the transferred parts.

This report documents the successful completion of the product test transfer requirements for the release of AD9557 from ADGBO to SCS.

Test product qualification was performed according to Analog Devices Specification
(ADI0012 / TST000137 / TST00095)

TEST AND PRODUCT INFORMATION

Device:	AD9557
Package:	CSP
Leads:	40
Part names:	AD9557BCPZ
Tester:	Teradyne uFlex
Handler:	Seiko-Epson NS6040

Description and Test Results (Taken from the New Proposed Product Transfer Correlation Qual Criteria)

Table 1 provides a description of the qualification tests conducted and corresponding test results for AD9557. All the units have undergone electrical tests on both the sending and receiving sites on the same test platform. Any device that did not meet the electrical qualification requirements without further analysis and data to prove passing, the qualification would be considered failed.

Table 1. Test Product Transfer Qual Criteria

Generic	Package	Lot number	Lot Size	Sending Site	Receiving Site	Mean Shift =< 0.4sigma	Sigma Ratio =< 1.25
AD9557	CSP	2241324.1	10	ADGBO	SCS	Passed	Passed

The AD9557 was qualified by running three production lots at SCS. A passing result was recorded when the yields met or exceeded yields from similar lots tested at ADGBO. Results from validation runs of the AD9557 are summarized in Table 2.

Table 2. Test Product Transfer Qualification Lot Run

GENERIC	Package	Lot number	Lot Size	Test Site	Results
AD9557	CSP	2321991.1	1169	SCS	Passed
		2321992.1	575	SCS	Passed
		2321993.1	579	SCS	Passed

Approvals

Product Engineer: Bill King

Additional Information
Homepage: http://www.analog.com
Datasheet: http://www.analog.com/static/imported-files/data_sheets/AD9557.pdf
Customer Service: http://www.analog.com/en/content/technical_support_page/fca.html