

Customer Operations

Dear Valued NI Customer:

You are receiving this letter to keep you informed of changes to products that you have purchased in the past. This is being provided to you for consideration in future purchases of the same products. Detailed information on this change has been included below.

Affected Product Part Numbers

This PCN covers PXIe-5650, PXE-5651, PXIe-5652 and instruments – PXIe-5663E and PXIe-5673E. Detailed information on Kit part numbers and descriptions can be found towards the end of this notification.

Reason

The products listed above were updated in response to a component change by one of NI's suppliers and updated NI manufacturing test procedures. The component change was prompted by supply shortages.

Change Description

NI's supplier of certain voltage-controller oscillator (VCO) modules needed to replace a sub-component with a similar alternative to mitigate a supply shortage. The supplier observed a change in phase noise values with the new VCO modules. Consequently, NI is revising the warranted specifications of PXIe-5650, PXIe-5651, PXIe-5652 and instruments containing these modules – PXIe-5663E and PXIe-5673E.

Impact and Recommended Action

The updated Phase Noise specifications were determined after extensive testing and validation by NI R&D and Manufacturing. All accredited calibrations for existing and new products will conform to the new specifications. Phase Noise values at frequencies 500MHz and 6.6GHz have been impacted as below.

Frequency	Phase Noise (dBc/Hz) Old	Phase Noise (dBc/Hz) New	Change
100 MHz	<-125, typical	<-111, typical	14dB, typical
500 MHz	<-111	<-107	4dB
1 GHz	<-105	<-105	-
2 GHz	<-98	<-98	-
3 GHz	<-95	<-95	-
4 GHz	<-93	<-93	-
5 GHz	<-90	<-90	-
6.6 GHz	<-90	<-84	6dB

You are being notified of this change to help inform your future purchases of the above product. NI is providing this information to review and determine any potential impact of this change to your application.

Affected Product Part Numbers (Full List)

KIT Part Number	CCA Part Number	Description
PXIe-5650/ PXIe-5651/ PXIe-5652		
781215-01	199541G-01L	PXIe-5650 1.3 GHZ RF SIGNAL GENERATOR AND CW SOURCE
781216-01	199541G-02L	PXIe-5651 3.3 GHZ RF SIGNAL GENERATOR AND CW SOURCE
781217-01	199541G-03L	PXIe-5652 6.6 GHZ RF SIGNAL GENERATOR AND CW SOURCE
PXIe-5663E (1.1, 3.3 and 6.6GHz Variants)		
781259-01	199541G-02L	NI PXIe-5663E 3.4 GHZ RF VECTOR SIGNAL ANALYZER W/ 64 MB RAM
781259-02	199541G-02L	NI PXIe-5663E 3.4 GHZ RF VECTOR SIGNAL ANALYZER W/ 256 MB RAM
780486-01	N/A	NI PXIe-5663E 6.6 GHZ MIMO EXTENSION KIT WITH 256 MB RAM
780486-02	N/A	NI PXIe-5663E 6.6 GHZ MIMO EXTENSION KIT WITH 64 MB RAM
781260-01	199541G-03L	NI PXIe-5663E 6.6 GHZ RF VECTOR SIGNAL ANALYZER W/ 64 MB RAM
781260-02	199541G-03L	NI PXIe-5663E 6.6 GHZ RF VECTOR SIGNAL ANALYZER W/ 256 MB RAM
781339-02	199541G-03L	NI PXIe-5663E 6.6 GHZ 2-CHANNEL PHASE-COHERENT MIMO RF VECTOR SIGNAL ANALYZER 256 MB RAM PER CHANNEL
781339-03	199541G-03L	NI PXIe-5663E 6.6 GHZ 3-CHANNEL PHASE-COHERENT MIMO RF VECTOR SIGNAL ANALYZER 256 MB RAM PER CHANNEL
781339-04	199541G-03L	NI PXIe-5663E 6.6 GHZ 4-CHANNEL PHASE-COHERENT MIMO RF VECTOR SIGNAL ANALYZER 256 MB RAM PER CHANNEL
PXIe-5673E (1.1, 3.3 and 6.6GHz Variants)		
781261-01	199541G-01L	NI PXIe-5673E 1.3 GHZ RF VECTOR SIGNAL GENERATOR W/ 128 MB RAM
781261-02	199541G-01L	NI PXIe-5673E 1.3 GHZ RF VECTOR SIGNAL GENERATOR W/ 512 MB RAM
781262-01	199541G-02L	NI PXIe-5673E 3.3 GHZ RF VECTOR SIGNAL GENERATOR W /128 MB RAM
781262-02	199541G-02L	NI PXIe-5673E 3.3 GHZ RF VECTOR SIGNAL GENERATOR W/ 512 MB RAM
780485-01	N/A	NI PXIe-5673E 6.6 GHZ MIMO EXTENSION KIT WITH 512 MB RAM
780485-02	N/A	NI PXIe-5673E 6.6 GHZ MIMO EXTENSION KIT WITH 128 MB RAM
781263-01	199541G-03L	NI PXIe-5673E 6.6 GHZ RF VECTOR SIGNAL GENERATOR W/ 128 MB RAM
781263-02	199541G-03L	NI PXIe-5673E 6.6 GHZ RF VECTOR SIGNAL GENERATOR W/ 512 MB RAM

781263-03	199541G-03L	NI PXIE-5673E 6.6 GHZ RF VECTOR SIGNAL GENERATOR W/ 2 GB RAM
781340-02	199541G-03L	NI PXIE-5673E 6.6 GHZ 2-CHANNEL PHASE-COHERENT MIMO RF VECTOR SIGNAL GENERATOR 512 MB RAM PER CH
781340-03	199541G-03L	NI PXIE-5673E 6.6 GHZ 3-CHANNEL PHASE-COHERENT MIMO RF VECTOR SIGNAL GENERATOR 512 MB RAM PER CH
781340-04	199541G-03L	NI PXIE-5673E 6.6 GHZ 4-CHANNEL PHASE-COHERENT MIMO RF VECTOR SIGNAL GENERATOR 512 MB RAM PER CH

Release Date

This change is effective 12/07/2022. However, all units shipped on or before Dec 31, 2022 will conform to the older specification.