Agilent Technologies N5106A PXB MIMO Receiver Tester

Error Messages

Agilent Technologies

Notices

© Agilent Technologies, Inc. 2008−2010

No part of this manual 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 Agilent Technologies, Inc. as governed by United States and international copyright laws.

Manual Part Number

N5105-90012 (for online use only)

Edition

March 2010

Printed in USA

Agilent Technologies, Inc.
3501 Stevens Creek Blvd.
Santa Clara, CA 95052 USA

Warranty

The material contained in this document is provided “as is,” and is subject to being changed, without notice, in future editions. Further, to the maximum extent permitted by applicable law, Agilent disclaims all warranties, either express or implied, with regard to this manual and any information contained herein, including but not limited to the implied warranties of merchantability and fitness for a particular purpose. Agilent shall not be liable for errors or for incidental or consequential damages in connection with the furnishing, use, or performance of this document or of any information contained herein. Should Agilent and the user have a separate written agreement with warranty terms covering the material in this document that conflict with these terms, the warranty terms in the separate agreement shall control.

Technology Licenses

The hardware and/or software described in this document are furnished under a license and may be used or copied only in accordance with the terms of such license.

Restricted Rights Legend

U.S. Government Restricted Rights. Software and technical data rights granted to the federal government include only those rights customarily provided to end user customers. Agilent provides this customary commercial license in Software and technical data pursuant to FAR 12.211 (Technical Data) and 12.212 (Computer Software) and, for the Department of Defense, DFARS 252.227-7015 (Technical Data - Commercial Items) and DFARS 227.7202-3 (Rights in Commercial Computer Software or Computer Software Documentation).

Error Messages

There are two types of error messages that you can encounter.

- PXB Error Messages are displayed on the PXB during operation to indicate that there is a problem.
- Dynamic Fading Excel Spreadsheet Error Messages are displayed on the computer being used to enter the dynamic fading data into the dynamic fading Microsoft Excel spreadsheet.

Introduction

If an error condition occurs in the PXB, it is reported to both the front panel display error queue and the SCPI (remote interface) error queue. These two queues are viewed and managed separately.

Characteristic	**Front Panel Display Error Queue**	**SCPI Remote Interface Error Queue**
Capacity (#errors)	30	30
Overflow Handling	Circular (rotating). Drops oldest error as new error comes in.	Linear, first in/first out.
Viewing Entries	Select the information button in the lower left corner of the user interface.	Use SCPI query `SYSTem:ERRor[:NEXT]?`
Clearing the Queue	Select: **Tools** > **Clear Error Queue**	Power up Send a `*CLS` command Read last item in the queue.
Unresolved Errors (errors that must be resolved.)	Re-reported after queue is cleared.	Re-reported after queue is cleared.

PXB Error Messages

These error messages are displayed on the PXB during operation.

Number	Name/ID	Message	Comment
-222	Data Out Of Range	{0} clipped to lower limit.	{0}=Setting Name
-222	Data Out Of Range	{0} clipped to upper limit.	{0}=Setting Name

-222	Data Out Of Range	Baseband Generator: {0} clipped to upper limit.	{0}=Setting Name
-222	Data Out Of Range	Correlation magnitude was clipped to the maximum value of 1.	
-222	Data Out Of Range	DSIM: {0} clipped to lower limit.	{0}=Setting Name
-222	Data Out Of Range	DSIM: {0} clipped to upper limit.	{0}=Setting Name
-222	Data Out Of Range	I/O: {0} clipped to lower limit.	{0}=Setting Name
-222	Data Out Of Range	I/O: {0} clipped to upper limit.	{0}=Setting Name
-222	Data Out Of Range	Signal Analyzer: {0} clipped to lower limit.	{0}=Setting Name
-222	Data Out Of Range	Signal Analyzer: {0} clipped to upper limit.	{0}=Setting Name
-222	Data Out Of Range	Signal Generator: {0} clipped to lower limit.	{0}=Setting Name
-222	Data Out Of Range	Signal Generator: {0} clipped to upper limit.	{0}=Setting Name
-222	Data Out Of Range	The value {0} was clipped to the minimum value {1}	{0}=Setting value {1}=Min setting value
-221	Settings Conflict	Baseband Generator: Cannot modify 'non runtime' setting during power calibration.	
-221	Settings Conflict	Baseband Generator: Cannot modify 'non runtime' setting while playing.	
-221	Settings Conflict	Baseband Generator: Cannot modify disabled setting.	

Number	Name/ID	Message	Comment
-221	Settings Conflict	Baseband Generator: Cannot modify or query settings. Instrument not configured or Baseband Generator not enabled.	
-221	Settings Conflict	Baseband Generator: Cannot modify Power Meter settings in Auto Power Calibration mode.	
-221	Settings	Baseband Generator: Cannot modify read-only	

	Conflict	setting.	
-221	Settings Conflict	Baseband Generator: Cannot modify setting. Marker 2 is reserved for internal use.	
-221	Settings Conflict	Baseband Generator: Cannot modify setting. Waveform created by Signal Studio.	
-221	Settings Conflict	Baseband Generator: Cannot modify waveform or marker files while downloading.	
-221	Settings Conflict	Cannot modify clock settings. The instrument is busy.	
-221	Settings Conflict	Cannot modify input setting while DSIM channel is configured as output.	
-221	Settings Conflict	Cannot modify output setting while DSIM channel is configured as input.	
-221	Settings Conflict	Cannot modify trigger polarity when trigger source is not HW trigger or when the instrument is busy.	
-221	Settings Conflict	Cannot modify trigger settings. The instrument is busy.	
-221	Settings Conflict	DSIM: Cannot modify 'non runtime' setting during power calibration.	
-221	Settings Conflict	DSIM: Cannot modify 'non runtime' setting while playing.	
-221	Settings Conflict	DSIM: Cannot modify disabled setting.	
-221	Settings Conflict	DSIM: Cannot modify or query settings. Instrument not configured or DSIM not enabled.	
-221	Settings Conflict	DSIM: Cannot modify Parallel mode setting when in Serial mode.	
-221	Settings Conflict	DSIM: Cannot modify read only setting.	
-221	Settings Conflict	DSIM: Cannot modify reference frequency source. The setting is read only when clock source is set to external.	
-221	Settings Conflict	DSIM: Cannot modify reference frequency. The setting is read only at this time.	
-221	Settings Conflict	DSIM: Cannot modify Serial mode setting when in Parallel mode.	
-221	Settings	DSIM: Cannot modify Word Alignment. The setting	

	Conflict	is disabled when word size is 16 bits or larger.	
-221	Settings Conflict	Fading: Antenna settings are read only unless the correlation source is Custom Antenna Setup.	
-221	Settings Conflict	Fading: Beam forming correlation type is only valid for 4x2 and 2x4 configurations.	
-221	Settings Conflict	Fading: Cannot modify 'non runtime' setting while playing.	
-221	Settings Conflict	Fading: Cannot modify disabled channel.	
-221	Settings Conflict	Fading: Cannot modify disabled path.	
-221	Settings Conflict	Fading: Cannot modify disabled setting.	
-221	Settings Conflict	Fading: Cannot modify or query settings. Instrument not configured or Fading not enabled.	
-221	Settings Conflict	Fading: Cannot modify read only setting.	
-221	Settings Conflict	Fading: Correlation coefficients are read only unless the correlation source is Custom Correlation Matrix.	

Number	Name/ID	Message	Comment
-221	Settings Conflict	Fading: Downlink direction is invalid for 2x4 configuration with Beam forming.	
-221	Settings Conflict	Fading: High, Medium, and Low correlation types are only valid for 2x2 configuration.	
-221	Settings Conflict	Fading: Only Laplacian Power Azimuth Spectrum is allowed for High, Medium, or Low correlation.	
-221	Settings Conflict	Fading: Path Configuration settings are read only unless the path configuration source is Custom.	
-221	Settings Conflict	Fading: The correlation type is read only unless the correlation source is set to Standard.	
-221	Settings Conflict	Fading: The first channel index must be larger than the second channel index when setting a correlation coefficient.	
-221	Settings Conflict	Fading: Uplink direction is invalid for 4x2 configuration with Beam forming.	

-221	Settings Conflict	I/O: Cannot modify 'non runtime' setting during power calibration.	
-221	Settings Conflict	I/O: Cannot modify 'non runtime' setting while playing.	
-221	Settings Conflict	I/O: Cannot modify Analog Enabled when configured as a Digital Port.	
-221	Settings Conflict	I/O: Cannot modify AWGN Settings. AWGN not licensed.	
-221	Settings Conflict	I/O: Cannot modify input settings while I/O channel is configured as Output.	
-221	Settings Conflict	I/O: Cannot modify LVDS Enabled when configured as an Analog Port.	
-221	Settings Conflict	I/O: Cannot modify Marker 4 Settings when connected to a DSIM. The DSIM only uses Markers 1 and 3.	
-221	Settings Conflict	I/O: Cannot modify or query settings. The instrument not configured or I/O not enabled.	
-221	Settings Conflict	I/O: Cannot modify output settings while I/O channel is configured as Input.	
-221	Settings Conflict	I/O: Cannot modify Power Meter settings in Auto Power Calibration mode.	
-221	Settings Conflict	I/O: Cannot modify read only setting.	
-221	Settings Conflict	I/O: Cannot modify setting. Marker 2 is reserved for internal use.	
-221	Settings Conflict	Power meter: Setting disabled when Input RMS Source is not set to Measure.	
-221	Settings Conflict	Power meter: Setting disabled when Input RMS Source is not set to User.	
-221	Settings Conflict	Power meter: Setting disabled when Power Meter Gate is set to Threshold.	
-221	Settings Conflict	Power meter: Setting disabled when Power Meter Gating is set to Marker.	
-221	Settings Conflict	Power meter: Setting is read only when Input RMS Source is set to Waveform.	
-221	Settings Conflict	Signal Analyzer: Cannot modify 'non runtime' setting during power calibration.	

-221	Settings Conflict	Signal Analyzer: Cannot modify 'non runtime' setting while playing.	

Number	Name/ID	Message	Comment
-221	Settings Conflict	Signal Analyzer: Cannot modify disabled setting.	
-221	Settings Conflict	Signal Analyzer: Cannot modify or query settings. Instrument not configured or Signal Analyzer not enabled.	
-221	Settings Conflict	Signal Analyzer: Cannot modify read only setting.	
-221	Settings Conflict	Signal Generator: Cannot modify 'non runtime' setting during power calibration.	
-221	Settings Conflict	Signal Generator: Cannot modify 'non runtime' setting while playing.	
-221	Settings Conflict	Signal Generator: Cannot modify disabled setting.	
-221	Settings Conflict	Signal Generator: Cannot modify or query settings. Instrument not configured or Signal Generator not enabled.	
-221	Settings Conflict	Signal Generator: Cannot modify read only setting.	
-221	Settings Conflict	The instrument is busy.	
-150	String Data Error	Invalid master channel name: {0}.	{0}=Master Channel Name
1	Startup Error	Interconnect board not found.	
1	Startup Error	Invalid BB board arrangement. Arrange the boards to be contiguous beginning with slot 1 (back, next to clock board).	Message is displayed when there is a non contiguous Baseband board in the PXB system.
1	Startup Error	Invalid I/O slot number: {0}.	{0}=Slot number
1	Startup Error	One or more EEPROM boards not programmed correctly. If the problem persists, contact Agilent Technologies.	

1	Startup Error	Power up self test failed. Run full self test for more details.	
1	Startup Error	System hardware failure. Power down and restart the instrument. If the problem persists, contact Agilent Technologies.	
2	Shutdown Error	An unexpected error has occurred. Power down and restart the instrument. If the problem persists, contact Agilent Technologies.	
3	Self Test Error	Factory self test data not available. Power down and restart the instrument. If the problem persists, contact Agilent Technologies.	
3	Self Test Error	Failed to run test {0} of test group {1}. Power down and restart the instrument. If the problem persists, contact Agilent Technologies.	{0}=Test Name {1}=Test Group
3	Self Test Error	Failed to save test results. Power down and restart the instrument. If the problem persists, contact Agilent Technologies.	
4	Play Error	Configuration license expired.	
4	Play Error	Hardware optimization failed.	
4	Play Error	Invalid configuration.	
4	Play Error	Load Baseband Generator Setting Error. System hardware failure. Power down and restart the instrument. If the problem persists, contact Agilent Technologies.	
4	Play Error	Load DSIM Setting Error. System hardware failure. Power down and restart the instrument. If the problem persists, contact Agilent Technologies.	

Number	Name/ID	Message	Comment
4	Play Error	Load Fading Setting Error. Could not calculate the Cholesky decomposition for the correlation matrix.	
4	Play Error	Load Fading Setting Error. Fading model not licensed.	
4	Play Error	Load Fading Setting Error. Invalid dynamic fading file.	
4	Play Error	Load Fading Setting Error. System hardware failure. Power down and restart the instrument. If the problem persists, contact Agilent Technologies.	

4	Play Error	Load I/O Setting Error. System hardware failure. Power down and restart the instrument. If the problem persists, contact Agilent Technologies.	
4	Play Error	Load Signal Analyzer Setting Error. External instrument {0} not connected or not powered on.	{0}=Instrument Name
4	Play Error	Load Signal Generator Setting Error. External instrument {0} not connected or not powered on.	{0}=Instrument Name
4	Play Error	Signal generator {0} did not arm properly. Check digital cable between PXB and signal generator {0}.	{0}=Instrument Name
4	Play Error	Signal generator {0} did not arm in the allowed amount of time.	{0}=Instrument Name
4	Play Error	The instrument not configured yet.	
5	Stop Error	An unexpected error has occurred. Power down and restart the instrument. If the problem persists, contact Agilent Technologies.	
6	Save Error	Could not open file {0}.	{0}=File Name
6	Save Error	Save Baseband Generator Setting Error. Power down and restart the instrument. If the problem persists, contact Agilent Technologies.	
6	Save Error	Save DSIM Setting Error. Power down and restart the instrument. If the problem persists, contact Agilent Technologies.	
6	Save Error	Save Fading Setting Error. Power down and restart the instrument. If the problem persists, contact Agilent Technologies.	
6	Save Error	Save I/O Setting Error. Power down and restart the instrument. If the problem persists, contact Agilent Technologies.	
6	Save Error	Save Signal Analyzer Setting Error. Power down and restart the instrument. If the problem persists, contact Agilent Technologies.	
6	Save Error	Save Signal Generator Setting Error. Power down and restart the instrument. If the problem persists, contact Agilent Technologies.	
7	Recall Error	Could not open file {0}.	{0}=File Name
7	Recall Error	Recall Baseband Generator Setting Error. Saved state corrupted or out of date.	
7	Recall Error	Recall Configuration Error. Saved state corrupted or out of date.	

7	Recall Error	Recall DSIM Setting Error. Saved state corrupted or out of date.	
7	Recall Error	Recall Fading Setting Error. Could not calculate the Cholesky decomposition for the correlation matrix.	

Number	Name/ID	Message	Comment
7	Recall Error	Recall Fading Setting Error. Fading model not licensed.	
7	Recall Error	Recall Fading Setting Error. Invalid dynamic fading file.	
7	Recall Error	Recall Fading Setting Error. Saved state corrupted or out of date.	
7	Recall Error	Recall I/O Setting Error. Saved state corrupted or out of date.	
7	Recall Error	Recall Signal Analyzer Setting Error. Saved state corrupted or out of date.	
7	Recall Error	Recall Signal Generator Setting Error. Saved state corrupted or out of date.	
8	Copy Error	Copy Baseband Generator Setting Error.	
8	Copy Error	Copy DSIM Setting Error.	
8	Copy Error	Copy Fading Setting Error.	
8	Copy Error	Copy I/O Setting Error.	
8	Copy Error	Copy Signal Analyzer Setting Error.	
8	Copy Error	Copy Signal Generator Setting Error.	
9	Paste Error	Paste Baseband Generator Setting Error.	
9	Paste Error	Paste DSIM Setting Error.	
9	Paste Error	Paste Fading Setting Error.	
9	Paste Error	Paste I/O Setting Error.	
9	Paste Error	Paste Signal Analyzer Setting Error.	
9	Paste Error	Paste Signal Generator Setting Error.	
10	Reset Error	An unexpected error has occurred. Power down and restart the instrument. If the problem persists, contact Agilent Technologies.	

20	Select Configuration Error	Configuration corrupted.	
20	Select Configuration Error	Configuration not found.	
20	Select Configuration Error	Failed to retrieve installed licenses.	
20	Select Configuration Error	Invalid configuration.	
21	Load Configuration Error	Cannot use GPIB interface {0} as a system controller. It is not configured as a system controller.	
21	Load Configuration Error	Configuration not licensed.	
21	Load Configuration Error	DSIM not initialized properly. An unexpected error has occurred. Power down and restart the instrument. If the problem persists, contact Agilent Technologies.	
21	Load Configuration Error	External instrument {0} and {1} have the same address ({2}).	{0}=Instrument1 Name {1}=Instrument2 Name {2}=Instrument Address
21	Load Configuration Error	Failed to apply Fading model. Fading model {0} not licensed.	{0}=Model Name

Number	Name/ID	Message	Comment
21	Load Configuration Error	Failed to apply Fading model. Failed to calculate the correlation coefficients.	
21	Load Configuration Error	Failed to retrieve installed licenses.	
21	Load Configuration Error	FPGA Alignment Failure	

22	Modify Configuration Error	Analog input port not supported.	
22	Modify Configuration Error	Configuration not found.	
22	Modify Configuration Error	GPIB card {0} is configured as controller.	{0} GPIB card number
22	Modify Configuration Error	GPIB card not found.	
22	Modify Configuration Error	Instrument {0} not found.	{0}=Instrument Name
22	Modify Configuration Error	Invalid analog output instrument type. Signal Generator or Custom instrument expected.	
22	Modify Configuration Error	Invalid digital input instrument type. DSIM or Signal Analyzer expected.	
22	Modify Configuration Error	Invalid digital output instrument type. DSIM or Signal Generator expected.	
22	Modify Configuration Error	I/O port {0} not available.	{0}=I/O Port Name
22	Modify Configuration Error	I/O port {0} not found.	{0}=I/O Port Name
30	Download Waveform Error	Cannot start a download when another download is in progress.	
30	Download Waveform Error	Could not open file {0}.	{0}=Waveform File Name
30	Download Waveform Error	Failed to transfer waveform and marker data from files to dram.	
30	Download Waveform Error	Marker file not found: {0}.	{0}=Marker File Name
30	Download Waveform Error	The number of samples and the number of markers does not match.	

30	Download Waveform Error	Waveform not found: {0}.	{0}=Waveform File Name
30	Download Waveform Error	Waveform not licensed: {0}.	{0}=Waveform Name
31	Transfer Data Error	Failed to transfer waveform data to instrument. Waveform name: {0}.	{0}=Waveform Name
40	Power Calibration Error	Failed to abort power calibration.	
40	Power Calibration Error	Failed to restore system state after a power calibration error.	

Number	Name/ID	Message	Comment
40	Power Calibration Error	Instrument not configured yet.	
40	Power Calibration Error	Power Calibration cannot complete, all inputs are disabled.	
40	Power Calibration Error	Power Calibration setup failed for signal generator {0}.	{0}=Instrument Name
40	Power Calibration Error	Power Meter Gating is set to Marker and the marker is turned off.	
40	Power Calibration Error, Power Search Error	Power search failed for signal generator {0}. Increase I/Q signal level or reduce signal generator amplitude.	{0}=Instrument Name
40	Power Calibration Error	Reading Power Meters timed out.	
40	Power Calibration Error	The instrument is busy.	
40	Power Calibration Error	Waveform RMS level exceeds signal generator {0} power search manual level maximum of {1}.	{0}=Instrument Name {1}=Max RMS
40	Power	Waveform RMS level is too low for successful	{0}=Instrument

	Calibration Error	signal generator {0} power search.	Name
41	I/O Calibration Error	Failed to restore factory calibration data. An unexpected error has occurred. Power down and restart the instrument. If the problem persists, contact Agilent Technologies.	
41	I/O Calibration Error	The instrument is busy.	
50	External Reference Input Error	External reference frequency out of range.	
50	External Reference Input Error	External reference source not detected.	
60	External Trigger Input Error	Report this error to Agilent Technologies.	
100	System Error	External reference source not detected. PLL unlocked.	
100	System Error	Failed to configure GPIB address. GPIB card not found.	
100	System Error	Failed to toggle touch screen on/off. Touch screen was not installed properly.	
100	System Error	Invalid external reference frequency. PLL unlocked.	
100	System Error	PLL unlocked.	
101	Hardware Error	Clock board temperature {0} exceeds threshold. Shutting down system.	{0}=Temperature
101	Hardware Error	Fans have stopped working. Shutting down system.	
101	Hardware Error	I/O board temperature {0} exceeds threshold. Shutting down system.	{0}=Temperature
101	Hardware Error	Mother board temperature {0} exceeds threshold. Shutting down system.	{0}=Temperature
101	Hardware Error	Power supply temperature {0} exceeds threshold. Shutting down system.	{0}=Temperature
102	Add External Instrument Error	Instrument {0} already exists.	{0}=Instrument Name

Number	Name/ID	Message	Comment
102	Add External Instrument Error	Invalid instrument name.	{0}=Instrument Name
102	Add External Instrument Error	Signal analyzer list is full. Remove an existing signal analyzer before adding a new one.	
102	Add External Instrument Error	Signal generator list is full. Remove an existing signal generator before adding a new one.	
102	Add External Instrument Error	The custom instrument list is full. Remove an existing custom instrument before adding a new one.	
102	Add External Instrument Error	The DSIM list is full. Remove an existing DSIM before adding a new one.	
103	Modify External Instrument Error	Instrument {0} not found.	{0}=Instrument Name
104	Remove External Instrument Error	Instrument {0} in use.	{0}=Instrument Name
104	Remove External Instrument Error	Instrument {0} not found.	{0}=Instrument Name
105	Test Connection Error	Communication failure with instrument {0}. Instrument is busy, not connected or not powered on.	{0}=Instrument Name
110	Launch Application Error	Failed to launch {0}.	{0}=Application Name
111	Launch License Manager Error	Agilent License Server not installed properly.	
111	Launch License Manager Error	Agilent License Server not installed.	
200	Warning	{0} does not have external instrument yet. Please assign an instrument to this I/O port.	{0}=I/O Port Name
200	Warning	Address {0} is already assigned to external instrument {1}.	{0}=Instrument Address {1}=Instrument Name
200	Warning	Backup file corrupted or out of date.	
200	Warning	Correlation magnitude was clipped to the maximum value of 1.	

200	Warning	Correlation value must be a complex number with magnitude less than or equal to 1.	
200	Warning	External instrument {0} and {1} have the same address ({2}).	{0}=Instrument1 Name {1}=Instrument2 Name {2}=Instrument Address
200	Warning	Input Frequency Offset + Input Signal Bandwidth may exceed the effective fader bandwidth. Reduce the frequency offset or number of enabled fader paths.	
200	Warning	Input Frequency Offset + Input Signal Bandwidth may exceed the output device bandwidth.	
200	Warning	Input Frequency Offset + Output Frequency Offset may exceed the output device bandwidth.	
200	Warning	Input Frequency Offset exceeds the effective fader bandwidth. Reduce the frequency offset or decrease the number of enabled fader paths.	
200	Warning	Instrument {0} has invalid address. Correct at a later time.	{0}=Instrument Name
200	Warning	Instrument {0} not connected or not powered on.	{0}=Instrument Name
200	Warning	LXI LAN Reset Error	
200	Warning	No hardware or license found.	
200	Warning	No markers active. If you intend to use markers for ALC or RF blanking, you must turn them on.	
200	Warning	Output Frequency Offset + Noise Bandwidth exceeds the output device bandwidth.	
200	Warning	Power Meter Gating is set to Marker and the marker is turned off.	
200	Warning	Recall external instruments failed.	
200	Warning	The AWGN noise bandwidth exceeds the output device bandwidth. Reduce the noise bandwidth to {0} MHz.	{0}=Output Device Bandwidth
200	Warning	The input frequency offset exceeds the output device bandwidth. Reduce the input frequency offset.	
200	Warning	Touch screen not installed properly.	

200	Warning	Waveform not licensed. Waveform name: {0}.	{0}=Waveform Name
201	Information	{0} was clipped to {1} due to the valid resolution changing.	{0}=Setting Name {1}=Setting Value

Number	Name/ID	Message	Comment
201	Information	{0} was clipped to the maximum value of {1}	{0}=Setting Name {1}=Setting Value
201	Information	{0} was clipped to the minimum value of {1}	{0}=Setting Name {1}=Setting Value
201	Information	Baseband Generator: {0} clipped to {1}.	{0}=Setting Name {1}=Setting Value
201	Information	DSIM: {0} clipped to {1}.	{0}=Setting Name {1}=Setting Value
201	Information	I/O: Failed to copy master channel list.	
201	Information	I/O: {0} clipped to {1}.	{0}=Setting Name {1}=Setting Value
201	Information	Power Calibration will run automatically on Play.	
201	Information	Power control settings have been changed to match the current waveform type.	
201	Information	Signal analyzer {0} is connected.	{0}=Instrument Name
201	Information	Signal analyzer {0} is not connected. Address not found.	{0}=Instrument Name
201	Information	Signal analyzer {0} is not connected. Address not valid.	{0}=Instrument Name
201	Information	Signal analyzer {0} is not connected. Connection lost.	{0}=Instrument Name
201	Information	Signal analyzer {0} is not connected. Model	{0}=Instrument

		number not supported.	Name
201	Information	Signal analyzer {0} is not connected. Not a member of the {0} family.	{0}=Instrument Family
201	Information	Signal analyzer {0} is not connected. Requires firmware version {0} or higher and option (one of) {1}.	{0}=Firmware version {1}=Option
201	Information	Signal analyzer {0} is not connected. Requires firmware version {0} or higher.	{0}=Firmware version
201	Information	Signal analyzer: {0} clipped to {1}.	{0}=Setting Name {1}=Setting Value
201	Information	Signal generator {0} is connected.	{0}=Instrument Name
201	Information	Signal generator {0} is not connected. Address not found.	{0}=Instrument Name
201	Information	Signal generator {0} is not connected. Address not valid.	{0}=Instrument Name
201	Information	Signal generator {0} is not connected. Connection lost.	{0}=Instrument Name
201	Information	Signal generator {0} is not connected. Model number not supported.	{0}=Instrument Name
201	Information	Signal generator {0} is not connected. Not a member of the {0} family.	{0}=Instrument Family
201	Information	Signal generator {0} is not connected. Requires firmware version {0} or higher and option (one of) {1}.	{0}=Firmware version {1}=Option
201	Information	Signal generator {0} is not connected. Requires firmware version {0} or higher.	{0}=Firmware version
201	Information	Signal generator: {0} clipped to {1}.	{0}=Setting Name {1}=Setting Value
201	Information	Signal power calculations are invalid until a new power calibration is run.	
300	Modify Baseband Generator Setting Error	Cannot modify waveform source created by Signal Studio.	

Number	Name/ID	Message	Comment
300	Modify Baseband Generator Setting Error	I/P RMS Source invalid. Cannot extract I/P RMS information from binary waveforms.	
300	Modify Baseband Generator Setting Error	Invalid marker file name: {0}.	{0}=Marker File Name
300	Modify Baseband Generator Setting Error	Invalid waveform file name: {0}.	{0}=Waveform File Name
300	Modify Baseband Generator Setting Error	Marker file not found: {0}.	{0}=Marker File Name
300	Modify Baseband Generator Setting Error	Waveform file not found: {0}.	{0}=Waveform File Name
300	Modify Baseband Generator Setting Error	Waveform size too small. It must have at least 256 samples.	
301	Load Baseband Generator Setting Error	System hardware failure.	
302	Restore Baseband Generator Default Setting Error		
400	Modify Fading Setting Error	Birth Death disabled when dynamic fading is enabled.	
400	Modify Fading Setting Error	Dynamic Fading not allowed for faders using Birth Death.	
400	Modify Fading Setting Error	Dynamic Fading not allowed for faders using High Speed Train.	
400	Modify Fading Setting Error	Dynamic Fading not allowed for faders using Moving Propagation.	
400	Modify Fading Setting Error	Fading model not licensed: {0}.	{0}=Model Name
400	Modify Fading Setting Error	High bits of Random Seed must be between 0x0 and 0x1FFFFFF.	
400	Modify Fading	High Speed Train disabled when dynamic fading	

	Setting Error	is enabled.	
400	Modify Fading Setting Error	Low bits of Random Seed must be between 0x0 and 0xFFFFFFFF.	
400	Modify Fading Setting Error	Middle bits of Random Seed must be between 0x0 and 0xFFFFFFFF.	
400	Modify Fading Setting Error	Moving Propagation disabled when dynamic fading is enabled.	
401	Load Fading Setting Error	Delay out of range. Expected [{0}, {1}]; found {2}	{0} = minimum delay (currently 0 sec) {1} = maximum delay (currently 2 ms) {2} = delay found
401	Load Fading Setting Error	Dwell Time out of range. Expected [{0}, {1}]; found {2}	{0} = minimum dwell time (currently 0.01 sec) {1} = maximum dwell time (currently 1000 sec) {2} = dwell time found
401	Load Fading Setting Error	Fading Settings Download already in progress.	
401	Load Fading Setting Error	Failed to calculate the Cholesky decomposition for the correlation matrix.	
401	Load Fading Setting Error	Invalid dynamic fading file.	
401	Load Fading Setting Error	Invalid dynamic fading file. Expected {0} parameters on line {1} ({2} columns x {3} paths), but {4} were found.	{0} = expected number of parameters {1} = line number {2} = number of columns {3} = number of paths {4} = number of parameters found
401	Load Fading Setting Error	Invalid dynamic fading file. Number of dynamic fading states exceeds maximum of {0}.	{0} = Maximum number of dynamic fading states allowed

			(currently 5000)
401	Load Fading Setting Error	Invalid Dynamic Fading File. The vehicle speed for each path must be the same unless the spectral shape is Jakes Rounded or Jakes Classical.	
401	Load Fading Setting Error	Invalid Fader directive in dynamic fading file on line {0} - couldn't read number of paths.	{0} = line number
401	Load Fading Setting Error	Loss out of range. Expected [{0}, {1}]; found {2}	{0} = minimum loss (currently 0 dB) {1} = maximum loss (currently 84 dB) {2} = loss found
401	Load Fading Setting Error	System hardware failure.	
401	Load Fading Setting Error	UE Speed out of range. Expected [{0}, {1}]; found {2}	{0} = minimum UE speed (currently 0 km/hr) {1} = maximum delay (based on the Doppler frequency and carrier frequency) {2} = UE speed found
401	Load Fading Setting Error	Undefined parameter name in Columns directive of dynamic fading file on line {0}.	{0} = line number

Number	Name/ID	Message	Comment
402	Restore Fading Default Setting Error		
403	Apply Fading Model Error	Fading model not licensed: {0}.	{0}=Model Name
403	Apply Fading Model Error	Failed to calculate the correlation coefficients.	
500	Modify I/O Setting Error	Cannot modify input setting while I/O channel is configured as output.	
500	Modify I/O	Cannot modify output setting while I/O channel is	

	Setting Error	configured as input.	
500	Modify I/O Setting Error	Failed to set {0} to {1} Setting invalid. Signal power calculations are invalid until a new power calibration is run.	{0}=Setting Name {1}=Setting Value
501	Load I/O Setting Error	System hardware failure.	
502	Restore I/O Default Setting Error		
601	Load Signal Generator Setting Error	{0} not connected or not powered on.	{0}=Instrument Name
607	Query Signal Generator Setting Error	{0} not connected or not powered on.	{0}=Instrument Name
608	Signal Generator Power Search Error	{0} not connected or not powered on.	{0}=Instrument Name
609	Preset Signal Generator Error	{0} not connected or not powered on.	{0}=Instrument Name
701	Load Signal Analyzer Setting Error	{0} not connected or not powered on.	{0}=Signal Analyzer Name
702	Preset Signal Analyzer Error	{0} not connected or not powered on.	{0}=Signal Analyzer Name
703	Query Signal Analyzer Setting Error	{0} not connected or not powered on.	{0}=Signal Analyzer Name
801	Load DSIM Setting Error	DSIM not connected or not powered on.	
801	Load DSIM Setting Error	System hardware failure.	
802	Restore DSIM Default Setting Error	DSIM not connected or not powered on.	
802	Restore DSIM Default Setting Error	System hardware failure.	

Dynamic Fading Excel Spreadsheet Error Messages

These error messages can be displayed when you are completing the Microsoft Excel spreadsheet template for dynamic fading.

Message	Comment
Based on the carrier frequency of {0} and the maximum Doppler frequency of 1600 Hz, the UE Speed for Path {1} in row {2} must be between 0 and {3} km/hr.	{0} = carrier frequency {1} = path number {2} = row number {3} = maximum UE speed
Delay for Path {0} in row {1} must be a numeric value.	{0} = path number {1} = row number
Delay for Path {0} in row {1} must be between 0 s and 2 ms.	{0} = path number {1} = row number
Dwell Time for row {0} must be a numeric value.	{0} = row number
Dwell Time for row {0} must be greater than or equal to 0.01 s.	{0} = row number
Error encountered during Export. Please correct the error and try again.	
Fader {0} Carrier Frequency must be a numeric value.	{0} = fader number
Loss for Path {0} in row {1} must be a numeric value.	{0} = path number {1} = row number
Loss for Path {0} in row {1} must be between 0 and 84 dB.	{0} = path number {1} = row number
The file you have specified for export is marked as read only.	
The maximum number of dynamic fading states 5000, but fader {0} has {1} states. Exporting the first 5000 states.	{0} = fader number {1} = number of states found
UE Speed for Path {0} in row {1} must be a numeric value.	{0} = path number {1} = row number