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Book Descriptions:

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It is optimized for testing optical amplifiers at high stimulus power, and passive components. The 81682A is specially designed for the CBand. It has continuous sweep through full wavelength range, high power optical output for optical amplifier test, a builtin realtime wavelength meter, modehop free tuning over full wavelength range, and both optical outputs are equipped with Panda type polarization maintaining fiber. Using the online preview, you can quickly view the contents and go to the page where you will find the solution to your problem with Agilent Technologies Stud Sensor 81682A. To start viewing the user manual Agilent Technologies Stud Sensor 81682A on full screen, use the button Fullscreen. However, if you do not want to take up too much of your disk space, you can always download it in the future from ManualsBase. The option to print the manual has also been provided, and you can use it by clicking the link above Print the manual. You do not have to print the entire manual Agilent Technologies Stud Sensor 81682A but the selected pages only. paper. If you want to quickly view the content of pages found on the following pages of the manual, you can use them. This item may be a floor model or store return that has been used. See the seller’s listing for full details and description of any imperfections. I am trying to execute a lambda sweep that scans through a specified range of lambda and record the corresponding power in db.To be honest, I havent tried enough testing or read enough manual to figure out how to use the driver functions through instrument control toolbox.Thanks, Ralph Heres an example that shows how to create and communicate using GPIB object. The programming manual for the instrument that lists all the SCPI commands can be found here. Hope this helps, Ankit Reload the page to see its updated state. Based on your location, we recommend that you select. Other MathWorks country sites are not optimized for visits from your location.http://www.rosettes.co.uk/userfiles/caldina-st246-manual.xml

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The Agilent 81689A also operates when installed in the Agilent 8163A Lightwave Multimeter or Agilent 8166A Lightwave Multichannel System. In order for these modules to meet specifications, the operating environment must be within the limits specified for your mainframe. There is one BNC connector on the front panel of the Agilent 81689A a BNC input connector. Figure 1 USA Safety Labels 81480A, 81680A, 81640A, 81682A, 81642A, 81689A These laser safety warning labels are fixed on the outside of the Agilent 8164A Lightwave Measurement System before shipment. You MUST stick the labels in the local language onto the outside of the instrument, in a position where they are clearly visible to anyone using the instrument. Top View See page 6 See page 6 Figure 3 Position of Safety Labels on Backloadable Tunable Laser Modules These labels are applied in these positions to every Agilent 81480A, Agilent 81680A, Agilent 81640A, Agilent 81682A, and Agilent 81642A Tunable Laser Module before shipment. See page 6 See page 6 See page 6 See page 6

Figure 4 Position of Safety Labels on Agilent 81689A Tunable Laser Module These labels are applied in these positions to every Agilent 81689A Tunable Laser Module before shipment. The laser radiation can seriously damage your eyesight. Do not enable the laser when there is no fiber attached to the optical output connector. The laser is enabled by pressing the gray button close to the optical output connector on the front panel of the module. The laser is on when the green LED on the front panel of the instrument is lit. The use of optical instruments with this product will increase eye hazard. The laser module has a builtin safety circuitry which will disable the optical output in the case of a fault condition.Additional Information This is supporting information of a nonoperational nature.Conventions used in this manual Hardkeys are indicated by italics, for example, Config, or Channel.

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Menu items are indicated by italics enclosed in brackets, for example,, or. Getting Started with Tunable Laser Sources What is a Tunable Laser. A Tunable Laser is a laser source for which the wavelength can be varied through a specified range. The Agilent Technologies range of Tunable Laser modules also allow you to set the output power, and to choose between continuous wave or modulated power. As these modules are all modehop free tunable with continuous output power, they qualify for the test of the most critical densewavelength Division Multiplexer dwdm components. It enables accurate crosstalk measurement of DWDM components with many channels at narrow spacing. You can characterize steep notch filters such as Fiber Bragg Gratings by using this output and a power sensor module. Output 2, the High Power output, delivers a signal with high optical power. You can adjust the signal by more than 60 db by using the inbuilt optical attenuator. If you choose Option 003, you can adjust the signal by more than 60 db by using the inbuilt optical attenuator. Agilent 81689A Tunable Laser Module Agilent 81689A with Straight Contact Connector Agilent 81689A with Angled Contact Connector Figure 10 Agilent 81689A Tunable Laser Module The Agilent 81689A Tunable Laser module is a frontloadable module. You can use the Agilent 81689A Tunable Laser module to set up a realistic multichannel testbed for DWDM transmission systems. Its continuous, modehop free tuning makes it quick and easy to set even the most complex configurations to the target wavelengths and power levels. The fiber is of Panda type, with TE mode in the slow axis in line with the connector key. A well defined state of polarization ensures constant measurement conditions. For the Agilent 81689A Tunable Laser module, PMF output is available as an option. With angled fiber endfaces, reflected light tends to reflect into the cladding, reducing the amount of light that reflects back to the source.

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CAUTION If the contact connector on your instrument is angled, you can only use cables with angled connectors with the instrument. Angled Contact Connector Symbol Straight Contact Connector Symbol Figure 12 Angled and Straight Contact Connector Symbols Figure 12 shows the symbols that tell you whether the contact connector of your Tunable Laser module is angled or straight. The angled contact connector symbol is colored green. Figure 7 and Figure 13 show the front panel of the Agilent 81682A Tunable Laser module with straight and angled contact connectors respectively. You should connect straight contact fiber end connectors with neutral sleeves to straight contact connectors and connect angled contact fiber end connectors with green sleeves to angled contact connectors. NOTE You cannot connect angled noncontact fiber end connectors with orange sleeves directly to the instrument. There is one BNC connector on the front panel of the Agilent 81689A a BNC input connector. In addition, the Agilent 8163A Lightwave Multimeter supports the Agilent 81689A Tunable Laser module. Tunable Laser Modules Model No. Agilent 81480A Agilent 81680A Agilent 81640A Agilent 81682A Agilent 81642A Agilent 81689A Description Tunable Laser for the Test of Critical densewdm Components Tunable Laser for the Test of Critical densewdm Components Tunable Laser for the Test of Critical Components in both densewdm Bands, the C and L bands

Tunable Laser for the Test of Optical Amplifiers and Passive Components Tunable Laser for the Test of Optical Amplifiers and Passive Components in both densewdm Bands. Tunable Laser for MultiChannel Test Applications Filler Module Filler Module Model No. Agilent 81645A Description Filler Module The Agilent 81645A Filler Module is required to operate the Agilent 8164A mainframe if it is used without a backloadable Tunable Laser module. It can be used to prevent dust pollution and optimize cooling by guiding the air flow.

A builtin optical attenuator is not available for the Agilent 81689A. Option Agilent 81689A Standard singlemode fiber, for straight contact connectors. Option All Tunable Laser Modules Polarizationmaintaining fiber, Pandatype, for straight contact connectors. Option All Tunable Laser Modules Polarizationmaintaining fiber, Pandatype, for angled contact connectors. Two additional connector interface options are available for the Agilent 81689A Tunable Laser module Option 021, Standard singlemode fiber straight contact connectors, or Option 022, Standard singlemode fiber angled contact connectors. See Table 2 for a list of the available connector interfaces. 2 Connect your cable see Figure 15. See Table 3 for a list of the available connector interfaces. Specifications describe the modules warranted performance. Supplementary performance characteristics describe the modules nonwarranted typical performance. Generally, all specifications apply for the given environmental conditions and after warmup time. Measurement principles are indicated. Alternative measurement principles of equal value are also acceptable. Absolute Wavelength Accuracy The maximum difference between the actual wavelength and the displayed wavelength of the TLS. Wavelength is defined as wavelength in vacuum. Conditions constant power level, temperature within operating temperature range, coherence control off, measured at high power output. Validity within given time span after wavelength zeroing, at a given maximum temperature difference between calibration and measurement. Measurement with wavelength meter. Effective Linewidth The timeaveraged 3dB width of the optical spectrum, expressed in Hertz. Conditions temperature within operating temperature range, coherence control on, power set to specified value.

The electrical noise spectrum of the photodetector current is measured with an Agilent Lightwave Signal Analyzer, and the linewidth is calculated from the heterodyne spectrum Lightwave signal analyzer settings resolution bandwidth 1 MHz; video bandwidth 10 khz; sweep time 20 ms; single scan. Linewidth The 3dB width of the optical spectrum, expressed in Hertz. Conditions temperature within operating temperature range, coherence control off, power set to maximum flat power maximum attainable power within given wavelength range. Measurement with selfheterodyning technique the output of the laser under test is sent through a MachZehnder interferometer in which the length difference of the two arms is longer than the coherence length of the laser. The electrical noise spectrum of the photodetector current is measured with an Agilent Lightwave Signal Analyzer, and the linewidth is calculated from the heterodyne spectrum Lightwave signal analyzer settings resolution bandwidth 1 MHz; video bandwidth 10 khz; sweep time 20 ms; single scan. Minimum Output Power The minimum output power for which the specifications apply. ModeHop Free Tuning Range The tuning range for which no abrupt wavelength change occurs during fine wavelength stepping. Abrupt change is defined as change of more than 25 pm. Conditions within specified wavelength range, at specified temperature range and output power. Tuning from outside into the modehop free tuning range is not allowed. Modulation Extinction Ratio The ratio of total power in onstate to total power in offstate, expressed in db. Tunable laser switched on and off. Modulation Frequency Range The range of frequencies for which the modulation index is above 3 db of the highest modulation index. In this context, modulation index is defined as the AC power amplitude peaktopeak divided by the average power. Output Power The achievable output power for the specified TLS tuning range. Conditions temperature within operating temperature range.

Measurement with power meter at the end of a singlemode fiber patchcord. Output Isolation The insertion loss of the builtin isolator in the backward direction. Measurement Cannot be measured

from the outside. This characteristic is based on known isolator characteristics. Peak Power The highest optical power within specified wavelength range. Polarization Extinction Ratio The ratio of optical power in the slow axis of the polarizationmaintaining fiber to optical power in the fast axis within a specified wavelength range. Conditions only applicable for TLS with polarization maintaining fiber with the TE mode in slow axis and oriented in line with connector key, at constant power level. Measurement with optical power meter. Measurement with optical power meter. Conditions power levels from within specified output power range, uninterrupted TLS output power, at fixed wavelength settings and stable temperature. Measurement with optical power meter. Power Repeatability The random uncertainty in reproducing the power level after changing and resetting the power level. Measurement with optical power meter. Measurement with optical power meter. Conditions at specified output power, coherence control off, temperature within operating temperature range, frequency range 0.1 to 6 GHz. Measurement with Agilent Lightwave Signal Analyzer. Conditions uninterrupted TLS output power, constant power level, temperature within operating temperature range, observation time 10 minutes maximum constant temperature, coherence control off, measured at high power output. Measurement with wavelength meter. Return Loss The ratio of optical power incident to the TLS output port, at the TLSs own wavelength, to the power reflected from the TLS output port. Conditions TLS disabled. Conditions at a specified output power and wavelength range, temperature within operating temperature range, coherence control off.

Measurement with the Agilent Lightwave Signal Analyzer, by analyzing the heterodyning between the main signal and the highest sidemode. Conditions output power set to specified values, at temperatures within operating temperature range, coherence control off. Measurement with optical spectrum analyzer OSA at 0.5 nm resolution bandwidth to address the possibility of higher SSE within a narrower bandwidth, then extrapolated to 1 nm bandwidth. On lowsse output if applicable, with fiber Bragg grating inserted between the TLS and the OSA in order to suppress the signal, thereby enhancing the dynamic range of the OSA. NOTE The specified signaltosse ratio is also applicable to output powers higher than the specified values. SignaltoTotalSource Spontaneous Emission The ratio of signal power to total spontaneous emission power, at the specified achievable output power, expressed in db. Conditions output power set to specified values, at temperatures within operating temperature range, coherence control off. Measurement with optical spectrum analyzer, by integrating the source spontaneous emission and excluding the remnant signal.Bulletin 01E Visit our website to sign for email updates Compact, This manual is the best copy we could find; it may be incomplete or contain dated information. Model 407780. Introduction This Infrared thermometer Guaranty and Declaration Copyright 2011 Technologies, Inc. All Rights Reserved. Trademark Information is a registered trademark of No liability is assumed This Infrared thermometer measures and displays noncontact In this experiment, This Infrared thermometer measures and displays noncontact The SRMD is a digital panel meter with a bright 1 LED display for Operation Manual These fullfeatured, fieldproven, Copyright Agilent Technologies 20032004 All Rights Reserved.

E2697A 1 M Impedance Adapter E2697A 1 M Impedance Adapter In This Book This guide provides user and service information User and Installation Guide BlueFIDELITYTM Bluetooth Audio Amplifier Model 300 Contents The SpectraTec II The 407780 with programmable integrating time This transmitter type User Manual These limits are designed to provide reasonable protection OBIS Galaxy Features The is equipped with eight FC fiber inputs, and can easily accept any laser using a Laser Operation. Service Manual Supplement Tektronix products are covered by U.S. and foreign patents, Reduced size and cost versions Reliable high power handling As much as 80 Watts High Isolation, up to 50dB isolation possible from English French Portuguese Spanish Limited FiveYear Warranty Your Tektronix products are covered by U.S. and foreign patents, issued and pending. Information Data Sheet The 42540A is capable of Ultraviolet. The concept of information

transmission is the same though.English Spanish Limited FiveYear Warranty Your Ear Thermometer is Model RH520 USER MANUAL Models VP200N, 12 High Resolution XGA DA VP300N, 13 High Resolution XGA DA VP400N, 14 High Resolution XGA DA Contents Contents 1 Introduction 1 2 Getting Started Last Revision August 21, 2007 INTRODUCTION This lab exercise will allow FCC Regulations for ISM Band Devices 902928 MHz This lets your cable modem provide Internet access to a computer or other device connected Mac OS X Windows USER MANUAL Models VP200N, 12 High Resolution XGA DA VP300N, 13 High Resolution XGA DA VP400N, 14 High Resolution XGA DA Contents Contents 1 Introduction 1 2 Getting Started The importance of an optical power meter can be compared to an ammeter When shipped from the factory, the E5100A meets the specifications Apparatus Tektronix To use this website, you must agree to our Privacy Policy, including cookie policy. Here are the details for the UST Entrance Test USTET for Senior High School.

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