

8664a service manual

Agilent Technologies
8664A Option H15
Phase Noise Specification

User's and Service Guide Supplement

Use this service guide supplement with this document:

8664A/8665A/B Synthesized Signal Generator
(Including Ops 801, 602, 804, 905 & 910) Operation and Calibration Manual
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Book Descriptions:

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Radar testing can be done by adding Option 008 pulse modulation. Pulse width and delay can be internally adjusted between 50 ns and 999 ns, eliminating the need for an external pulse generator. Standard FM rates of up to 2 MHz and deviations to 10 MHz are suitable for many applications such as highspeed digital communications. This service manual is provided for information only. The 864x and 866x products are no longer sold by Keysight. This manual contains information required to install, operate, program and calibrate and is provided for information only. It covers serial number prefixes 3203A. It is an excellent choice for performing outofchannel tests on highperformance radios. The Signal Generator accurately simulates many different types of FM signals used in RF communication systems. Also, a wide variety of unsymmetrical modulation signals, such as digital FSK squelching sequences, and FM telemetry can be couple to the frontpanel FM connector. You can FM the RF output over a wide bandwidth, with deviations ip to 20 MHz 10 MHz in the HP 8664A using either internal or externally generated modulation signals. External modulation signals can be AC or DC coupled. You can simultaneously modulate AM, FM, and pulse. We know there are plenty of differences when it comes to used equipment and quite often, choosing between different pieces is difficult, especially when the equipment is not sitting right in front of you. Well, what if you were able to see a piece of equipment before you purchased it. Not just a picture from the manufacturers website, but the actual piece of equipment you would receive. You can zoom in close to see the labels with the serial number or zoom out to see the overall condition of the equipment. Its like having the store come to you. Thank You! We will be contacting you shortly. Please do not offer the downloaded file for sell only use it for personal usage. Looking for other manual For this no need registration. May be help you to repair.<http://www.conditum.nl/userfiles/cambridge-soundworks-705-manual.xml>

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selfteszt passos, a kalibracio sikeres. Azota nem ir ki hibát, a szkop tokeletesen mukodik. Udv. Esetleg letezik egy mester kod, ill valamilyen modszer a kiolvasasra. Amihez nem kell GBIB vagy HPIB kabelt venni.<http://www.daehwa.info/uploaded/cambridge-soundworks-dtt2500-manual.xml>

A muszer tokeletes, pontos, csak zavar, hogy le van zarva, igaz igy bolondbiztos, es ugyis lezarnam elnyomkodas ellen, aztan elfelejtenem az uj kodot, de en felmatricaznam belul. Tenyleg lehet szet kellene szednem, hatha belul van egy 12 digites szamsor.Majd holnap. Similar manuals You can write in English language into the forum not only in Hungarian. Did you miss your activation email The result code of 8,043,311 is a calibration error code hence the Cal Error messages The manual suggests running the ILD Instrument Level Diagnostic test function to get a full error result.I have to disconnect the HF DRVR J6 connector and connect the cable to the power meter for further debugging Test 2A. To be continued tomorrow. I did not go further. The unit is waiting next to my desk. In normal operation they must all be off.The first thing I would do is to open it up and make sure all cards and connectors are seated well. I usually remove and reseat everything to break oxidation on connector surfaces. While card is out, look closely, especially capacitors. Look for cold solder joint. If your unit has an optional oven crystal oscillator, High stability time base option there has to be a coax jumper on the back. Make sure its there. Ive recently repaired my HP8644A. An odd sequence of event and failures can cause calibration error when CMOS backup battery is dead. It should be on A16 board. Negative prefix on error code means it was NOT able to POSITIVELY identify that code is accurate. Ill continue the repair when I have a less busy time at work. Make sure its there. 8664A with OCXO option does not need coaxial jumper at the back.You can temporarily feed the 10MHz input in the back and see if you will get anything in the RF output. Did you miss your activation email Accordiing to the service manual the error code means there is something wrong with the refrence. I have connected a counter to J1 of A9refrence assembly and has a 250MHz output.

Then at J3 ribbon cable all the power supply voltages are fine. J4 and J5 seem to be working fine as they input 4KHz and 200KHz into the refrence assembly. However the last three connectors that have cables cablesW86, W88, W89 have no frequency coming in or out of them and those lead to the rear of the signal generator which I havent gotten the chance to inspect. Im thinking there might be a jumper that might be loose or the potentiometer to adjust the timebase is broken in the back of the generator because I connected my counter to the signal generators 10MHz out and nothing is coming out and then I connected the counters 10MHz output to the generators input and nothing displays on the screen to indicate external refrence. I would greatly apprecchiate if anyone has info in this problem. Radar testing can be done by adding Option 008 pulse modulation. Pulse width and delay can be internally adjusted between 50 ns and 999 ns, eliminating the need for an external pulse generator. Standard FM rates of up to 2 MHz and deviations to 10 MHz are suitable for many applications such as highspeed digital communications. Features Moves connectors back to front panel. By using our website and services, you expressly agree to the placement of our performance, functionality and advertising cookies. Please see our Privacy Policy for more information. Update your browser for more security, comfort and the best experience for this site. Try Findchips PRO Option 8 664A008 provides pulse modulation, selectivity is a 90 dB, the 8644B or Option 8 664A004, or Option 8665B004 is recommended. Output Radio receiver blocking Case 2 CTR06 Section, versus time template is displayed.An Avago Technologies signal generator 8664A HP 8664A Synthesized Signal. Something went wrong.Learn more opens in a new window or tab This amount is subject to change until you make payment.

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your rights as a buyer opens in a new window or tab and exceptions opens in a new window or tab. Contact the seller opens in a new window or tab and request post to your location. Please enter a valid postcode. Please enter a number less than or equal to 5. All Rights Reserved. User Agreement, Privacy, Cookies and AdChoice Norton Secured powered by Verisign. An explanation of Agilent's specification setting process will show the confidence that you can have when selecting an Agilent Technologies signal generator. The model used for specification setting is illustrated in the above right figure. The following text defines each element in the figure. Production margin is the difference between the average product performance and the test line limit TLL. Delta environmental represents the possible change in performance over the environmental extremes e.g., temperature and humidity. Average TLL Drift represents the change in performance over the calibration period. Measurement uncertainty accounts for possible measurement errors in the equipment used to characterize the signal generator. Customer guardband represents any additional margin necessary to ensure a worst case scenario.

This process means that whether the signal generator is placed in a high temperature environment such as at the top of a rack of equipment or a well controlled environment, the performance stated in our specifications can be relied on for your most exacting applications. This process guarantees that the signal generator is introducing the minimum error possible in the measurements you are performing. SPEC warranted Typical performance Since some applications push the limits of specifications, Agilent Technologies also provides data that indicates typical performance. This typical performance is generally set at the test line limit TLL, which is significantly better than the warranted specification. Use the typical data when comparing different products, or when your application pushes the limit on a given specification. The following information highlights typical performance for the most common areas of interest for the 8644B, 8664A and 8665B. 4 5 Typical performance, for applications that push specifications SSB phase noise SSB phase noise is an important specification of a signal generator if it is to be used for measuring the adjacent channel selectivity of a receiver. If the phase noise of the signal generator is too high at frequency offsets equal to the channel spacing, the test results might indicate a failure of the receiver when it is actually functioning properly. If the selectivity is 90 db, the 8644B or Option 8664A004, or Option 8665B004 is recommended. Output level accuracy Output level accuracy is a combination of temperature variation, flatness over frequency, and the signal generator's internal attenuator and detector accuracies. The graph represents worst case output level accuracy of a sampling of 8665Bs. All of these units fall within the shaded area. RF leakage Due to radios becoming more sensitive and operating at higher frequencies, the traditional twoturn loop measurement of RF leakage has become inadequate.

To overcome the shortcomings of the twoturn loop, Agilent has developed a new measurement technique using resonant dipole antennas, which is 20 to 25 db more sensitive than the twoturn loop method. Agilent has been able to reduce the level of radiated emissions in its newer signal generators through innovative design and packaging. Understanding that not all applications require the lowest possible emissions, Option 010 i.e., 86xxx010 is available on all of these performance signal generators. Internal modulation source Low distortion sinewaves to 400 khz with variable phase and amplitude. Triangle, sawtooth and squarewaves to 50 khz with variable phase and amplitude. White Gaussian noise with variable amplitude. Two independent sources for twotone testing. Levelled RF output maintains accuracy while in pulse modulation. High reliability electronic attenuator optional on 8644B For applications up to 1 GHz, the electronic attenuator provides increased reliability. Excellent FM linearity is inherent due to YIG oscillator design. Stable dccoupled FM for measurements that require low carrier drift. Performance signal generator series features High stability oven controlled timebase is standard. Surface mount construction for improved reliability. Three year calibration cycle MTBC means less time in the calibration lab. Builtin selfdiagnostics and calibration saves valuable time by significantly reducing down time. 2

GHz frequency counter Option 8644B011 20 Hz to 2 GHz frequency counting via front panel connector. Cost and space efficient solution for applications involving audio frequency measurements, local oscillator, IF and transmitter testing. Our extensive support resources and services can help you choose the right Agilent products for your applications and apply them successfully. Every instrument and system we sell has a global warranty. Support is available for at least five years beyond the production life of the product.

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