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E4407B LO unlockDate ▾ (<https://groups.io/g/HP-Agilent-Keysight-equipment/topic/91968578?p=Created%2C%2C%2C20%2C1%2C0%2C0>)



hardyhansendk

10:21am  (<https://groups.io/g/HP-Agilent-Keysight-equipment/message/127408>)

Hi Sven

It might be described here by signal path--many units suffer from this.

<https://youtu.be/gb1QMJtwumQ> (<https://youtu.be/gb1QMJtwumQ>)

Hardy

-----Oprindelig meddelelse-----

Fra: HP-Agilent-Keysight-equipment@groups.io

[mailto:HP-Agilent-Keysight-equipment@groups.io] På vegne af Sven Schnelle

Sendt: 24. juni 2022 18:38

Til: HP-Agilent-Keysight-equipment@groups.io

Emne: [HP-Agilent-Keysight-equipment] E4407B LO unlock

Hi List,

yet another thing that i bought. An E4407B ESA-E Spectrum Analyzer with 'LO unlock' error. Without a RF signal i see a Peak at ~860MHz. Looking inside, i see the LO signal going into U302, but no signal coming out of it. Just connecting the 50 Ohm Input of another Spectrum Analyzer to the PS_LO testpoint switches the state of the LO unlock LEDs on the Board. So i suspect that this chip is broken. Typing 1gc1-4210 into google showed a lot of results which say '12GHz multi modulus divider'.

Leo Bodnar even built a replacement module, but he states that this is only tested in ESG signal generators.

ebay even shows up several results of these chips, but they are usually very expensive. Does anyone know how to confirm that this chip is defective? I'm assuming the PS_LO testpoint is the output signal of the divider can someone confirm this? I also don't know which pins are supply voltages and other control signals. I appreciate any bit of information about this chip.

I'm afraid of spending a lot of money and it turns out that something is broken.

Thanks,
Sven

--

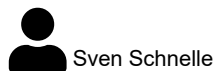
Denne mail er kontrolleret for vira af AVG.

<http://www.avg.com> (<http://www.avg.com>)

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Sven Schnelle

9:37am (<https://groups.io/g/HP-Agilent-Keysight-equipment/message/127404>)

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Thanks,
Sven

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1 - 2 of 2

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