

Fig. 6 - Detail of test system configured for calibration of the PXI-5670 and coupling network. Power sensor connects in place of the EUT. The companion device port is terminated with an additional 20dB attenuator and 30dB attenuator in tandem.

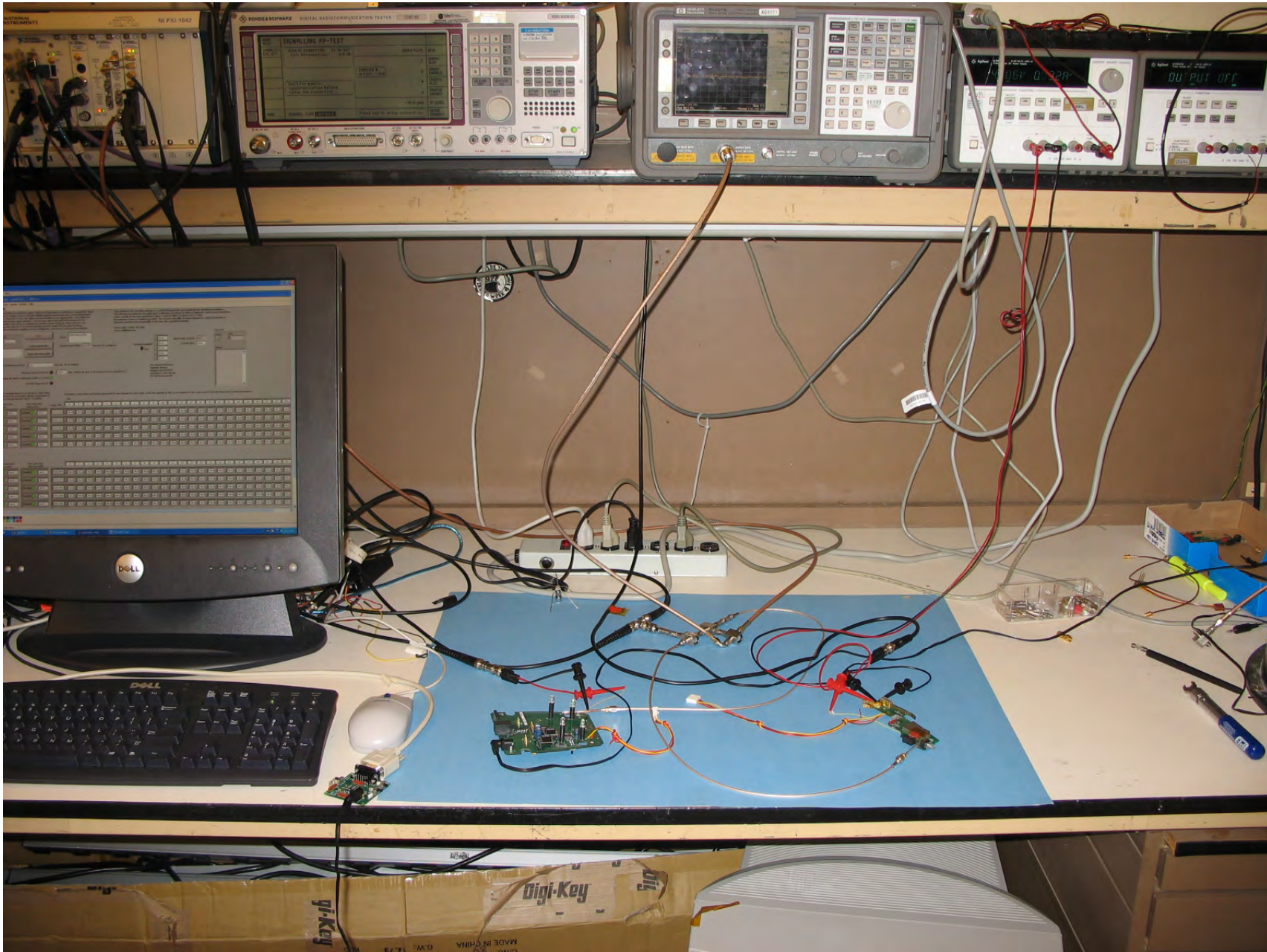


Fig. 7 - Test bench configured for calibration of the PXI-5670 and coupling network; general view.

III) Tests of clause 6 performed by the manufacturer, for the CA12CD-S Base EUT

III-A. Clause 6.1 Emissions tests for the base EUT

For the tests of clause 6.1 of C63.17-2006, the test platform and base EUT are configured according to test configuration #1, **Conducted emissions tests, base EUT**, of section (I) of this document. The base EUT is established in a communications channel with the headset companion device by means of a radiative-coupled connection, though the base EUT is in conducted connection to the spectrum analyzer, per figure 3 of C63.17-2006 in clause 6.1.1. Administrative commands are used to set the base to the desired carrier for the test.

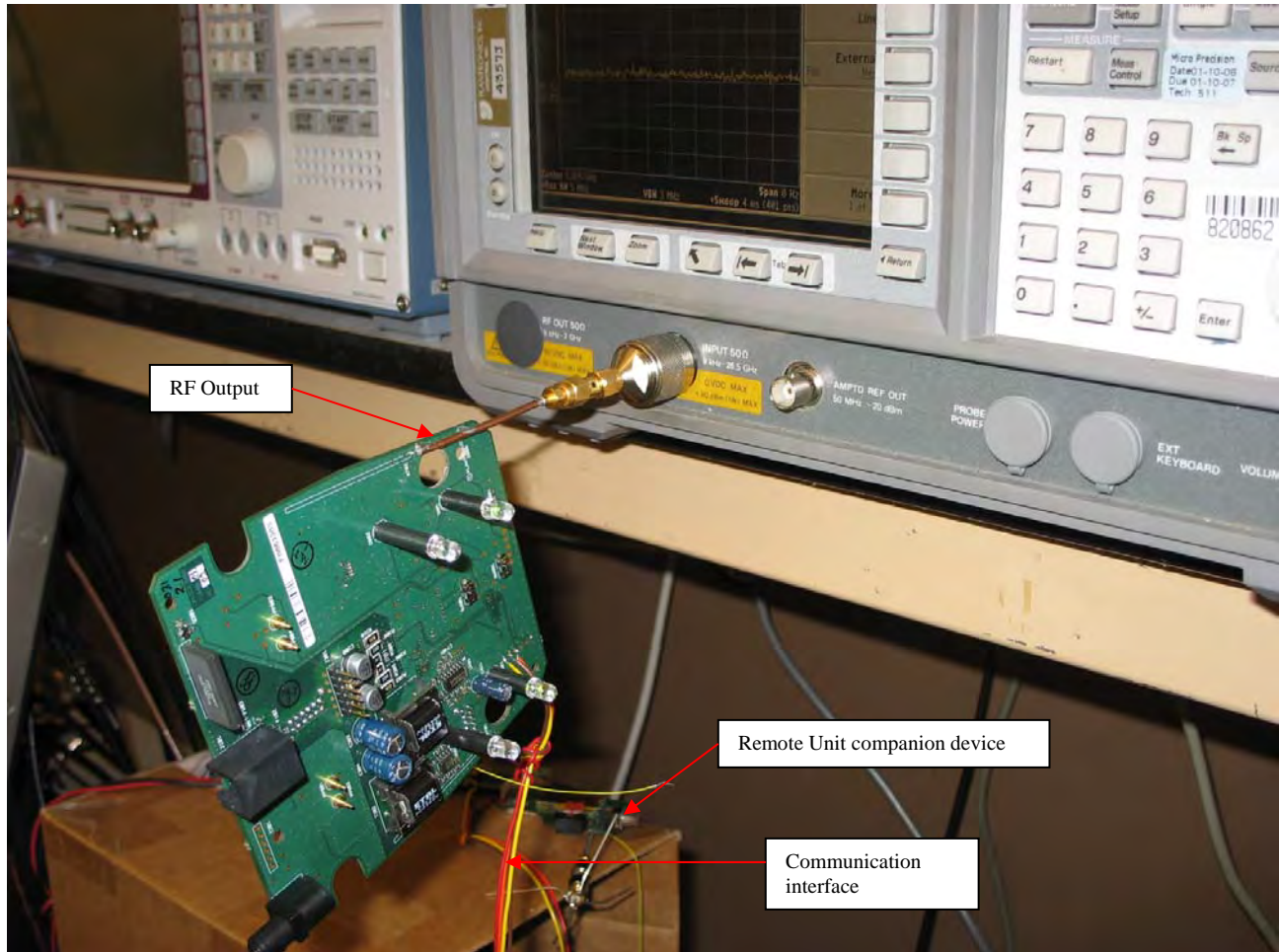


Fig. 8 - Base EUT conducted connection to spectrum analyzer for tests of clause 6.1, with labeled functions.

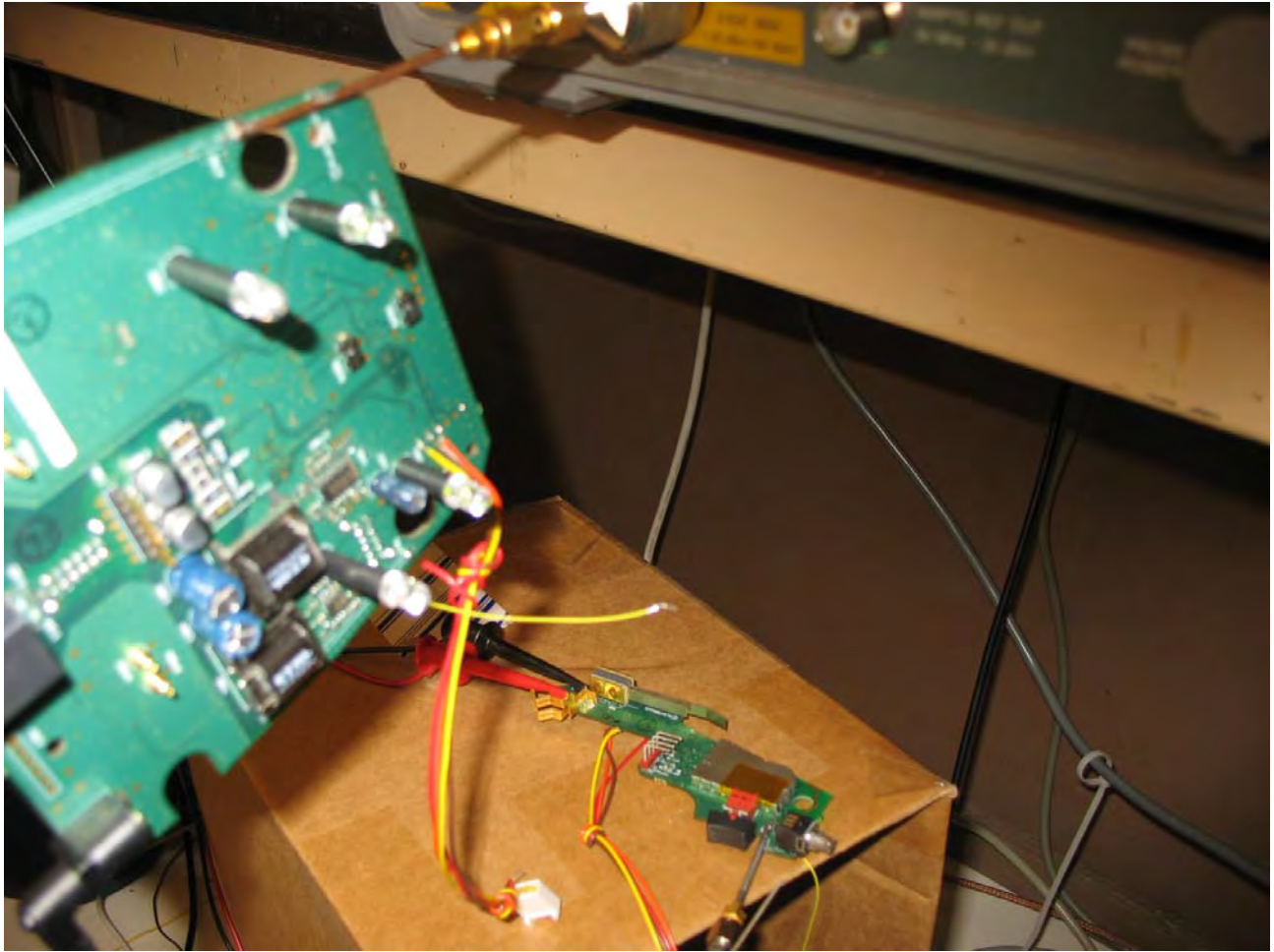


Fig. 9 - Detail of base EUT conducted connection, with companion device in the background. Base EUT and remote companion device have established a communications channel.



Fig. 41 - View of test system configured for the tests of clause 6.2.1 for the base EUT. EUT is in the temperature chamber at right. EUT power supply is top right-center. EUT RF cabling is connected as described in the text, to the CMD60 analyzer and the E4407B spectrum analyzer. The controller interface circuit (RS232 to CMOS levels) is directly outside the chamber egress.



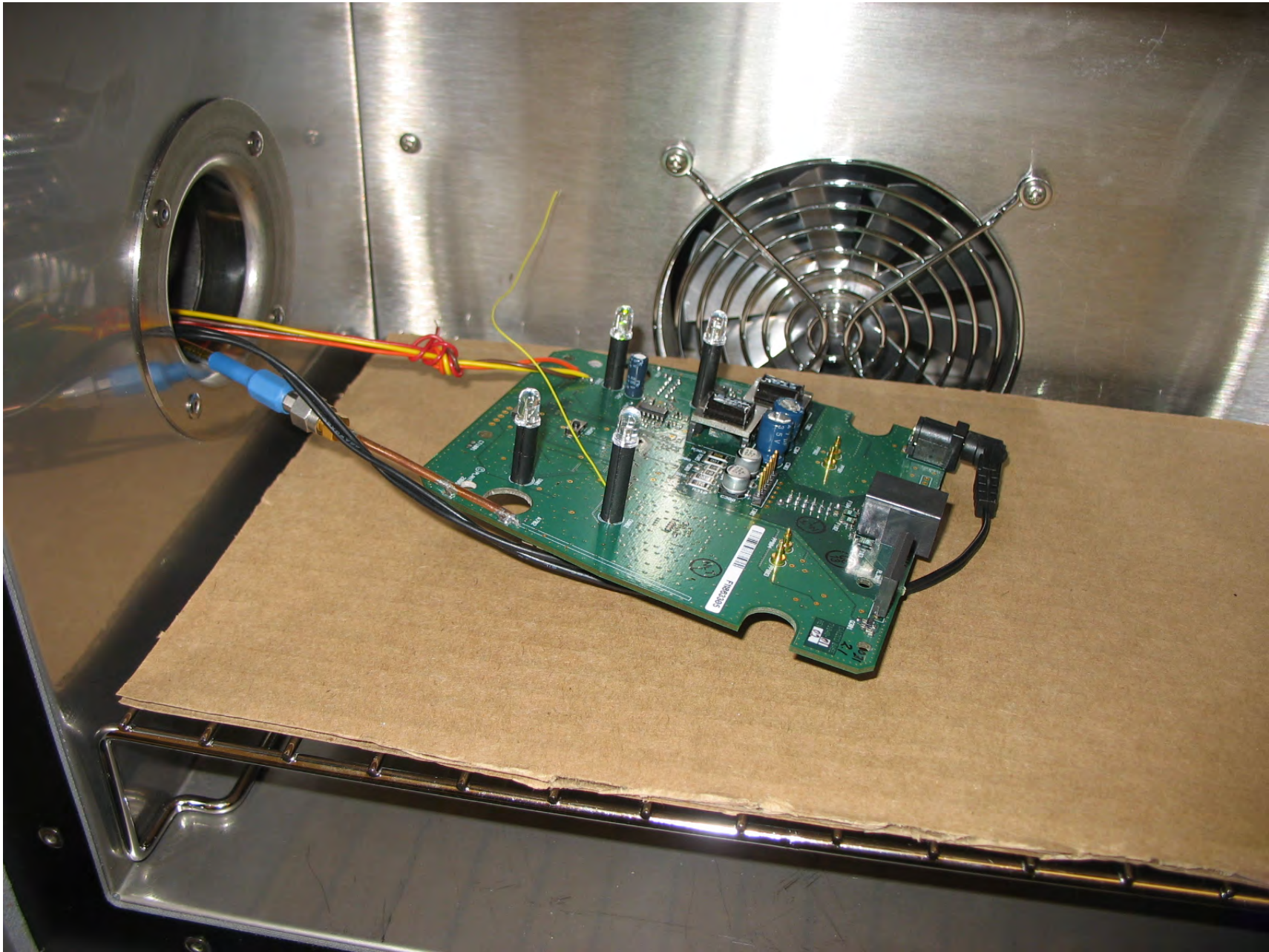


Fig. 43 - Interconnection between the base EUT and the test system; RF conducted connection, DC power supply, and control/communications bus for administrative commands

VI) Tests of clause 6, CA12CD-S Remote EUT

VI-A. Clause 6.1 Emissions tests for the headset EUT

For the tests of clause 6.1 of C63.17-2006, the test platform and remote EUT are configured according to test configuration #2, **Conducted emissions tests, headset EUT**, of section (I) of this document. The remote EUT is established in a communications channel with the base companion device by means of a radiative-coupled connection, though the remote EUT is in conducted connection to the spectrum analyzer, per figure 3 of C63.17-2006 in clause 6.1.1. Administrative commands are used to set the base to the desired carrier for the test, and so the remote EUT is constrained to use those carriers, since it uses the carriers that the base is constrained to.

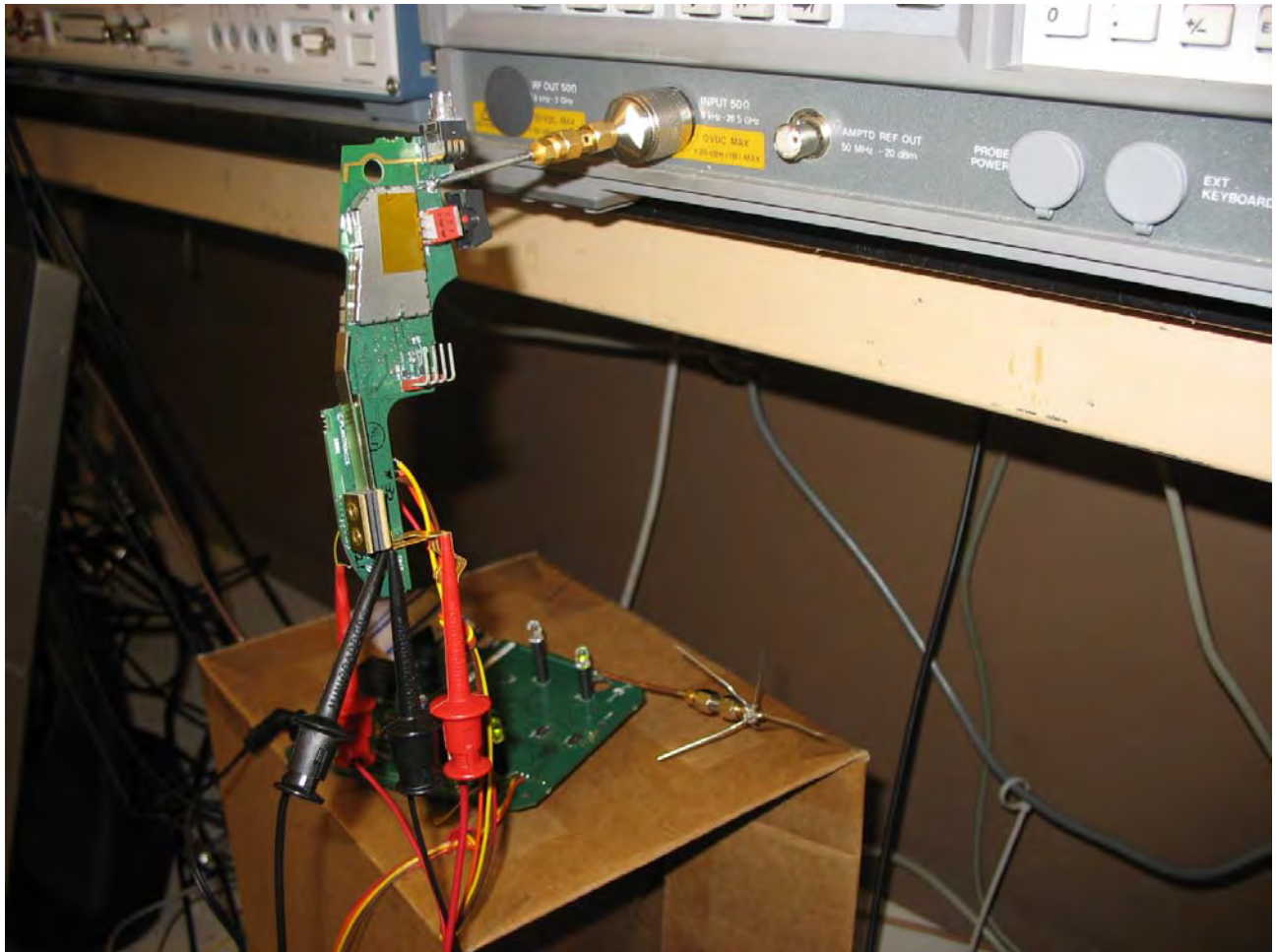


Fig. 78 - Remote EUT in direct connection with spectrum analyzer and radiated connection with base companion device, for the tests of clause 6.1.



Fig. 79 – Remote EUT- Detail of the attachment of the RF connection for conducted measurements.



Fig. 110 - View of test system configured for the tests of clause 6.2.1 for the headset EUT. EUT is in the temperature chamber at right. EUT power supply is top right. EUT RF cabling is connected as described in the text, to the CMD60 analyzer and the E4407B spectrum analyzer. The controller interface circuit (RS232 to CMOS levels) is directly outside the chamber egress.

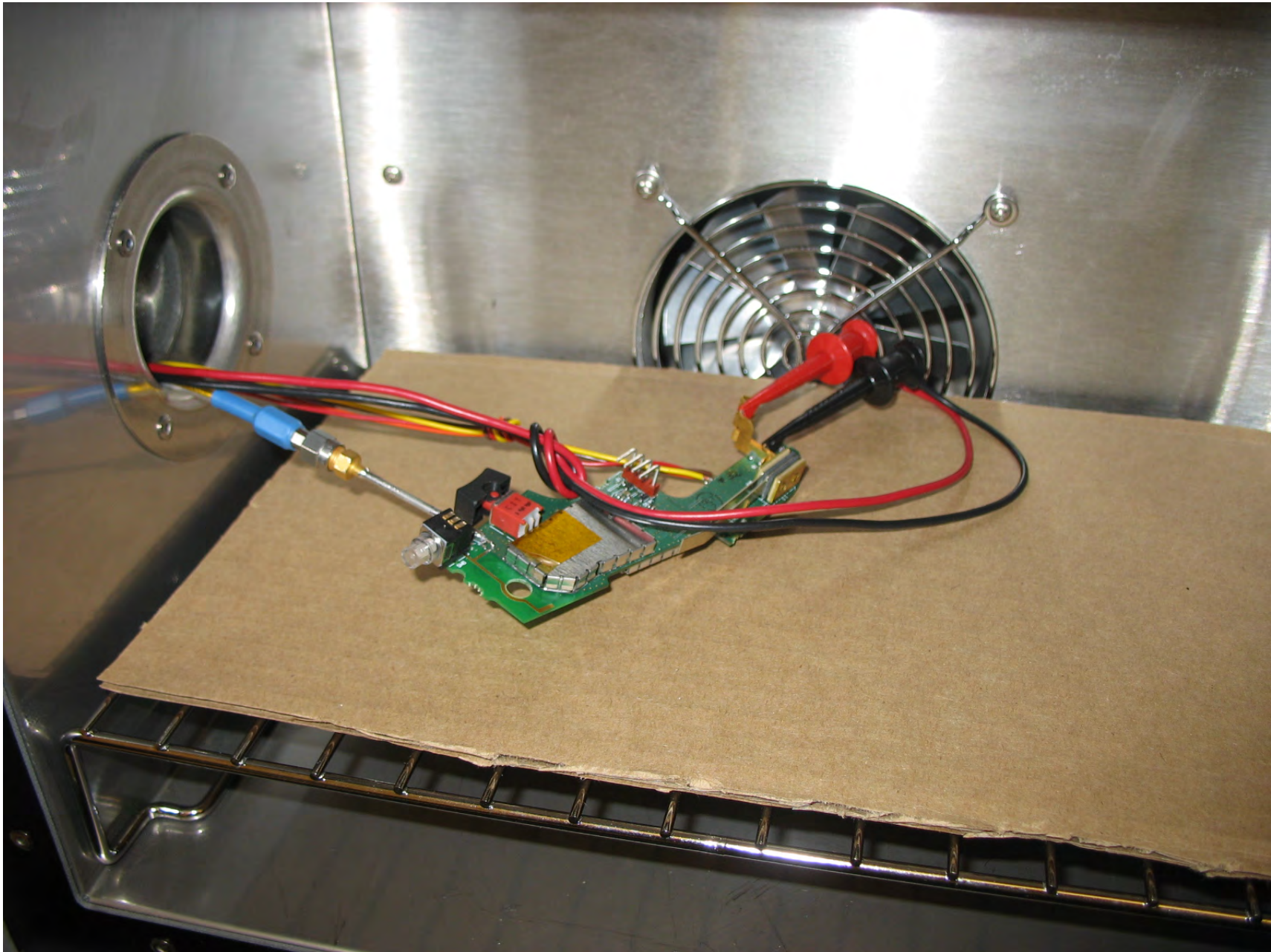


Fig. 111 - Remote EUT within the temperature chamber, with RF connection to EUT and with power/control cable connection to EUT.

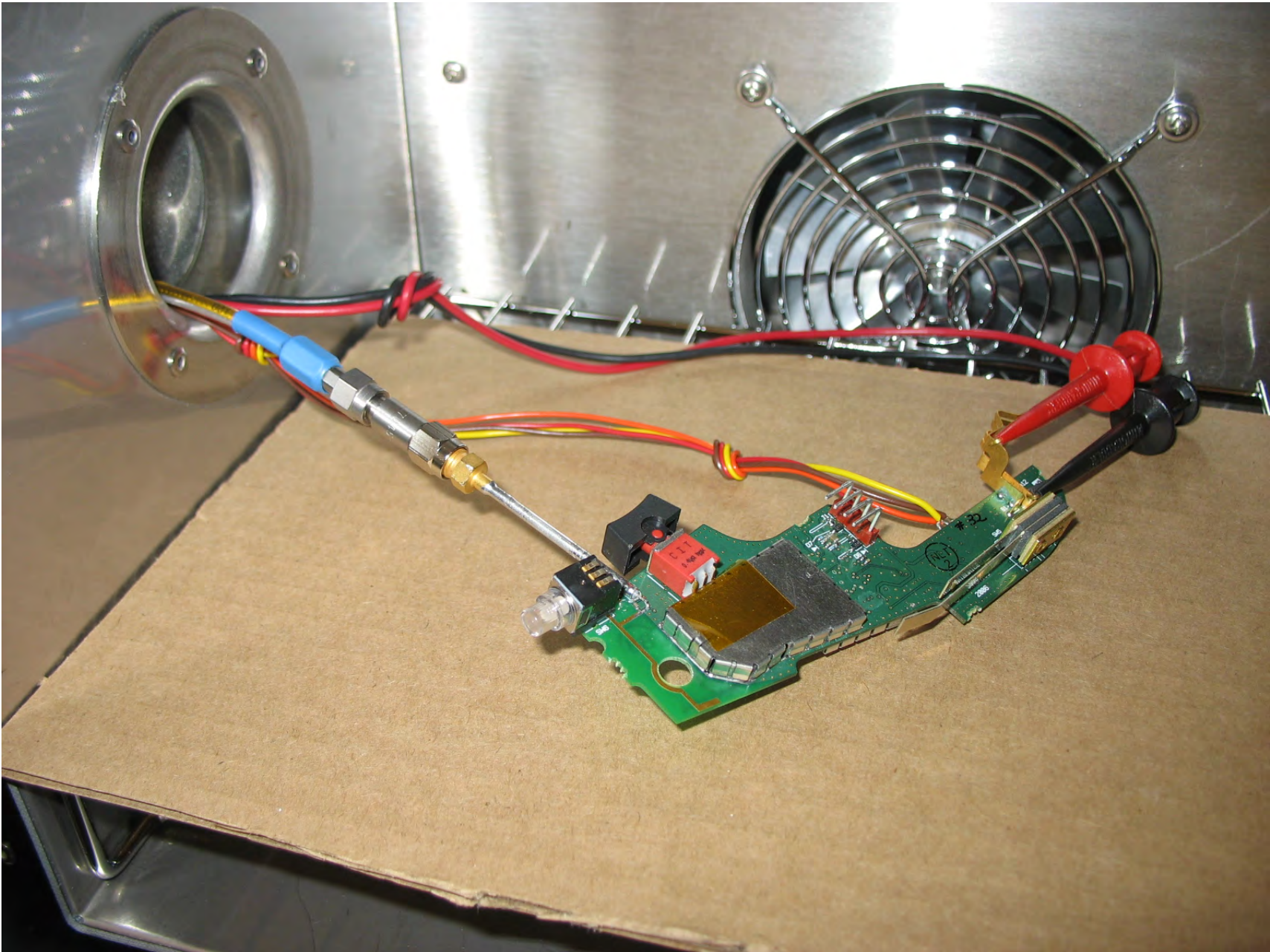


Fig. 112 - Detail of remote EUT as tested within the temperature chamber for the tests of clause 6.2.