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vk2bea (/coprs/vk2bea/) / HP8753 (/coprs/vk2bea/HP8753/)

Project ID: 63967

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Description

Program to facilitate and augment the operation of the HP8753 Vector Network Analyzer.

- The calibration setup may be saved and recalled for rapid restoration of the network analyzer state.
- Traces may be retrieved from the HP8753 and saved.
- Saved traces may be recalled and displayed.
- Displayed traces may be interrogated with the mouse pointer.
- Retrieved traces may be printed or saved in PDF, High resolution Smith chart or PNG format.

See: YouTube video description (https://youtu.be/ORWQE22tbRo)

Installation Instructions

The Linux GPIB driver must be installed for this program to function

```
sudo dnf copr enable vk2bea/HP8753
sudo dnf copr enable vk2bea/GPIB
sudo dnf install hp8753
```

If you have not previously installed the linux- GPIB driver, edit the /etc/gpib.conf file to add descriptive identifiers and default settings for controllers and devices. (see https://linux-gpib.sourceforge.io/doc_html/configuration-gpib-conf.html (https://linux-gpib.sourceforge.io/doc_html/configuration-gpib-conf.html))

Firmware is required for some GPIB devices. For USB devices that require firmware loading, a udev rule triggers this.

```
sudo dnf install linux-gpib-firmware
```

These devices require firmware loading:

- NI GPIB-USB-B (note: NI GPIB-USB-HS/HS+ does not need firmware)
- HP/Agilent/Keysight:
 - 82341C
 - 82341D
 - 82350A
 - 82357A
 - 82357B

Active Releases

The following unofficial repositories are provided as-is by owner of this project. Contact the owner directly for bugs or issues (IE: not bugzilla).

Release	Architectures	Repo Download
Fedora 35	aarch64 (0)*, x86_64 (0)*	Fedora 35 (https://copr.fedorainfracloud.org/coprs/vk2bea/HP8753/repo/fedora-35/vk2bea-HP8753-fedora-35.repo) (2 downloads)
Fedora 36	aarch64 (0)*, x86_64 (2)*	Fedora 36 (https://copr.fedorainfracloud.org/coprs/vk2bea/HP8753/repo/fedora-36/vk2bea-HP8753-fedora-36.repo) (3 downloads)

* Total number of packages downloaded in the last seven days.

External Repository List

The following repositories are accessible during builds

- [https://download.copr.fedorainfracloud.org/results/vk2bea/GPIB/fedora-\\$releasever-\\$basearch/](https://download.copr.fedorainfracloud.org/results/vk2bea/GPIB/fedora-$releasever-$basearch/)
([https://download.copr.fedorainfracloud.org/results/vk2bea/GPIB/fedora-\\$releasever-\\$basearch/](https://download.copr.fedorainfracloud.org/results/vk2bea/GPIB/fedora-$releasever-$basearch/))

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[🏠 Homepage \(https://github.com/VK2BEA/HP8753-Companion\)](https://github.com/VK2BEA/HP8753-Companion)

Last Build

hp8753

Build: 4565156
 State: succeeded
 Finished: 19 hours ago
 (/coprs/vk2bea/HP8753/build/4565156/)

Quick Enable

```
#> dnf copr enable vk2bea/HP8753
```

🔗 More info about enabling Copr repositories (https://docs.pagure.org/copr.copr/how_to_enable_repo.html#how-to-enable-repo)

Other Actions

⚠ Report Abuse (/coprs/vk2bea/HP8753/report-abuse)

Contact us

#fedora-buildsys @ libera.chat (<https://web.libera.chat>)

Copr Project

- Project Homepage (<https://pagure.io/copr/copr>)
- User Documentation (https://docs.pagure.org/copr.copr/user_documentation.html)
- Report a Bug (https://bugzilla.redhat.com/enter_bug.cgi?product=Copr)
- Known Issues (https://bugzilla.redhat.com/buglist.cgi?bug_status=NEW&bug_status=ASSIGNED&bug_status=MODIFIED&bug_status=ON_QA&classification=Community&list_id=6150623&product=Copr&query_format=advanced)
- FAQ (https://docs.pagure.org/copr.copr/user_documentation.html#faq)

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- Storage statistics (<https://download.copr.fedorainfracloud.org/stats/index.html>)

Powered by

- Python (<https://www.python.org>)
- OpenStack (<http://www.openstack.org>)
- PatternFly (<https://www.patternfly.org>)
- Dist Git (<https://github.com/release-engineering/dist-git>)