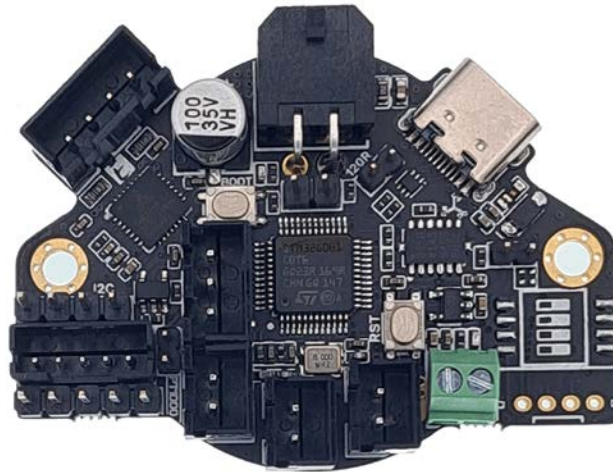
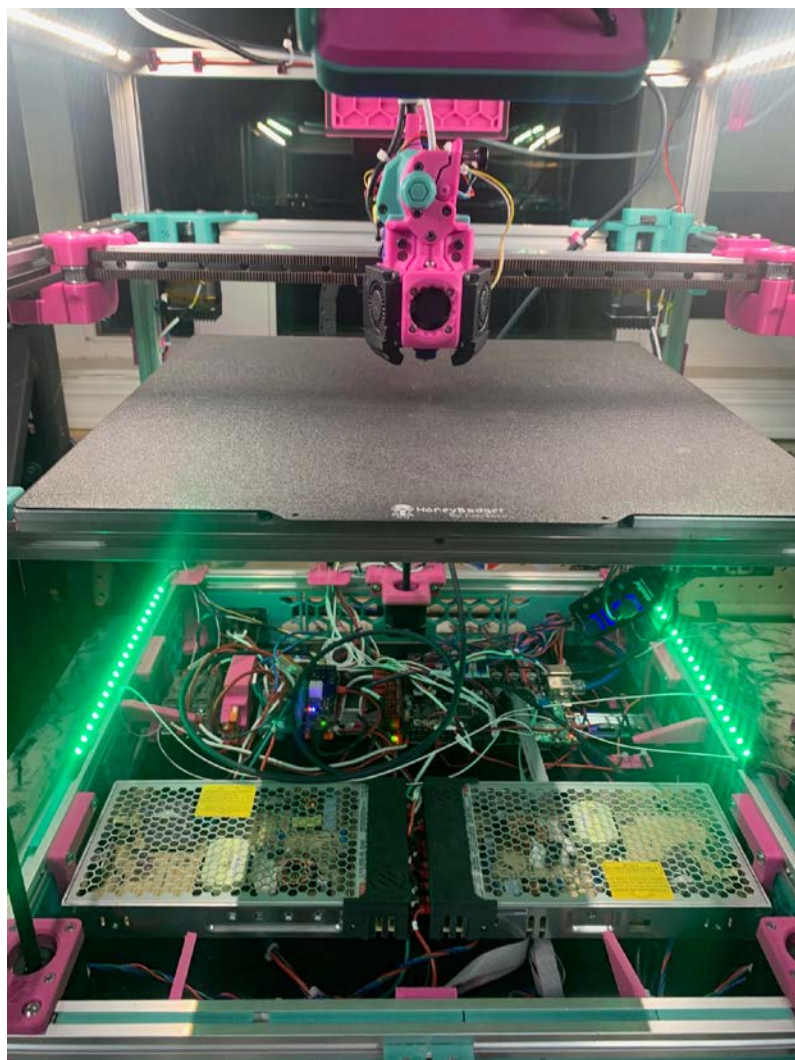


# Cartograph lis2dw vs Ebb36 adxl



# Pictures/ State of the printer



Voron Trident 350 – serial 1190

Mods:

Canbus

Ebb36

Xol with Xol x-carriage

48V motors

Inverted electronics

Bowden tube holder thingy

Rama front idlers

G2SA extruder (wristwatch on standby)

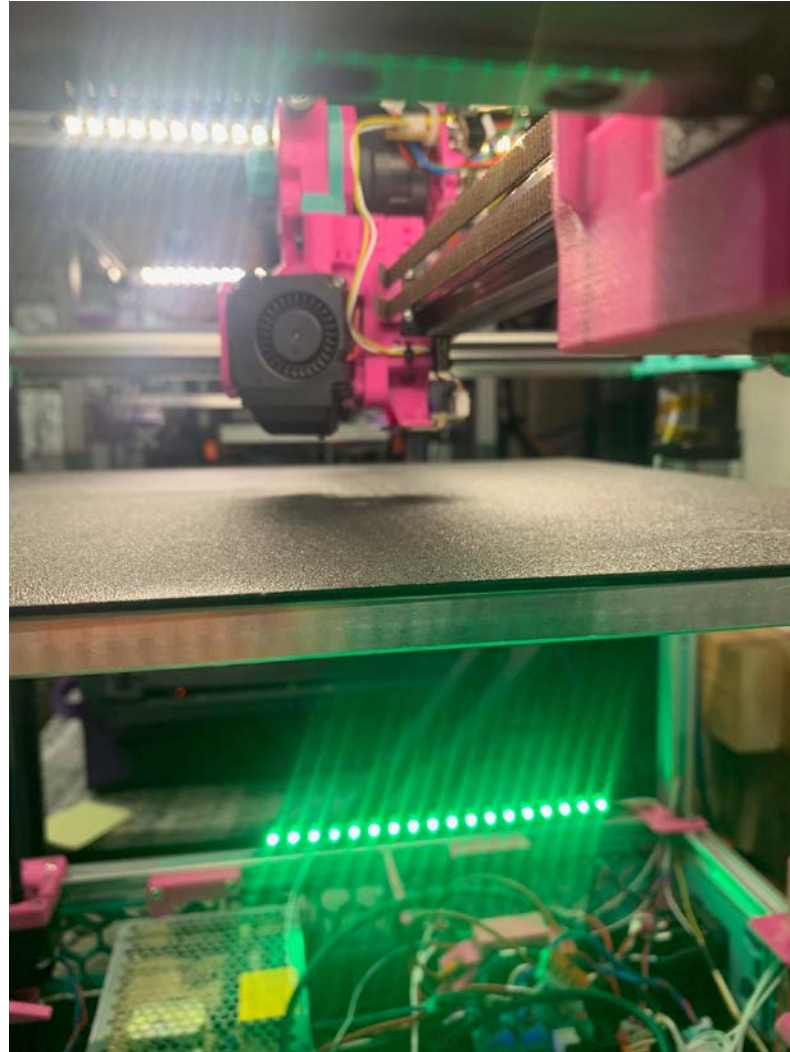
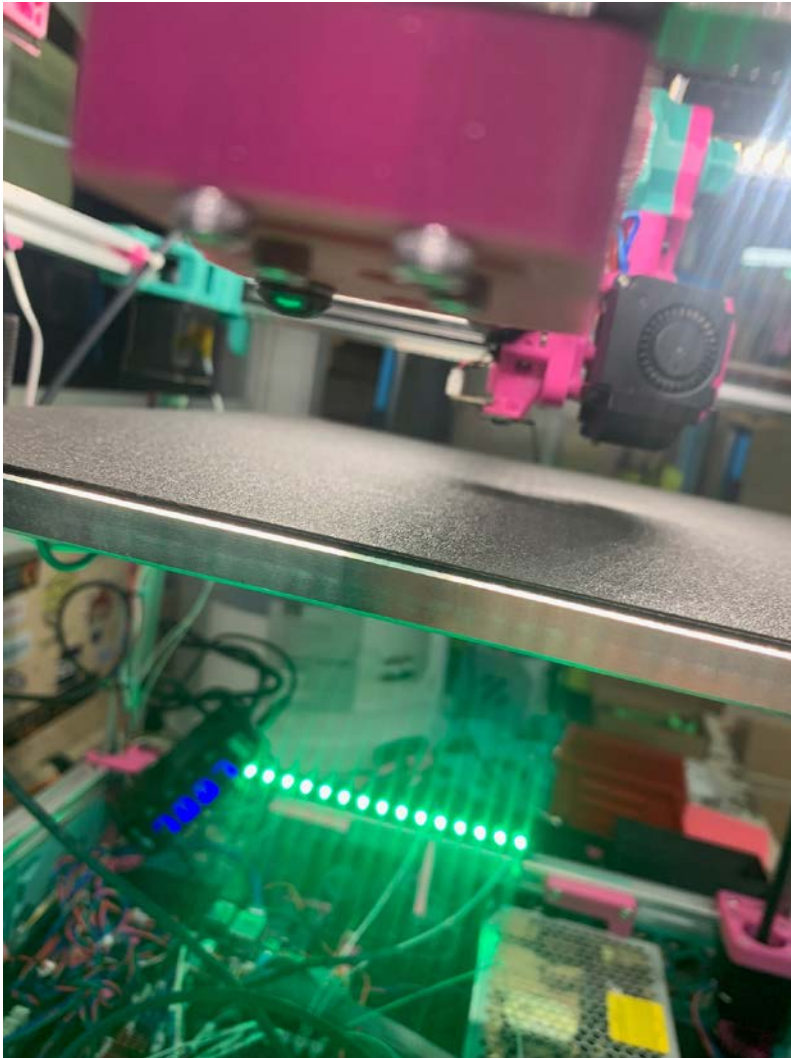
Cartographer probe

Klipper: v0.12.0-102-g9f41f53c

Shaketune: v2.5.0-5-g9fa07a12

Cartographer: v1.0.0-30-gd00ecfe6

# Pictures/ State of the printer





# Pictures/ State of the printer



Tension provided by [pfmakes.com](http://pfmakes.com) belt tension tool  
Also available at [west3d.com](http://west3d.com).  
Neither gives me stuff for free. i.e. not a sponsor.  
I just think this tool is the bees knees.



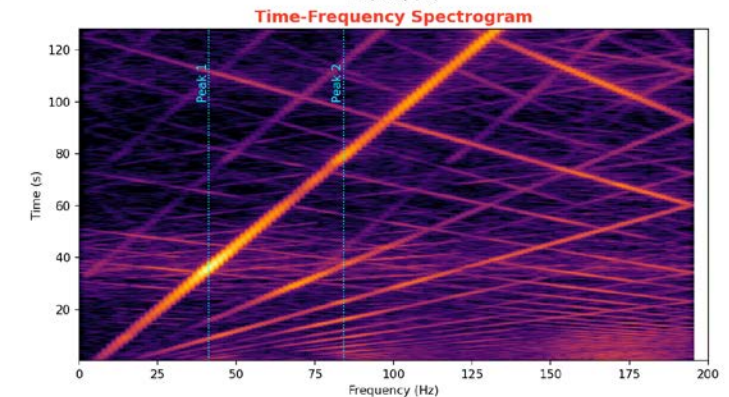
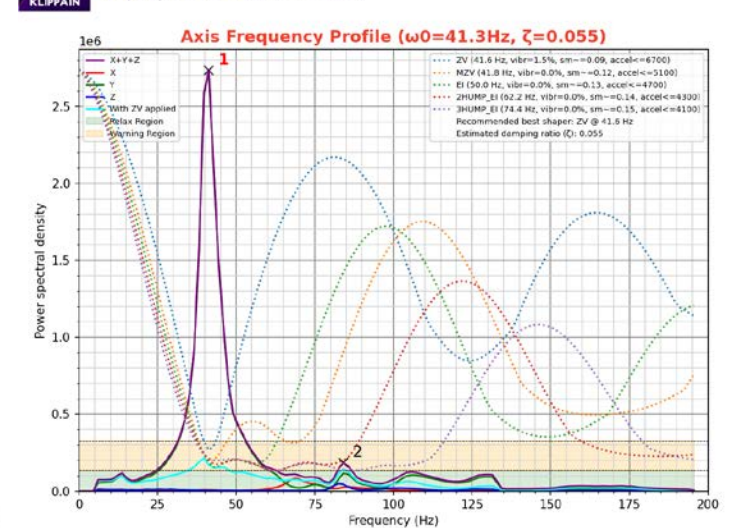
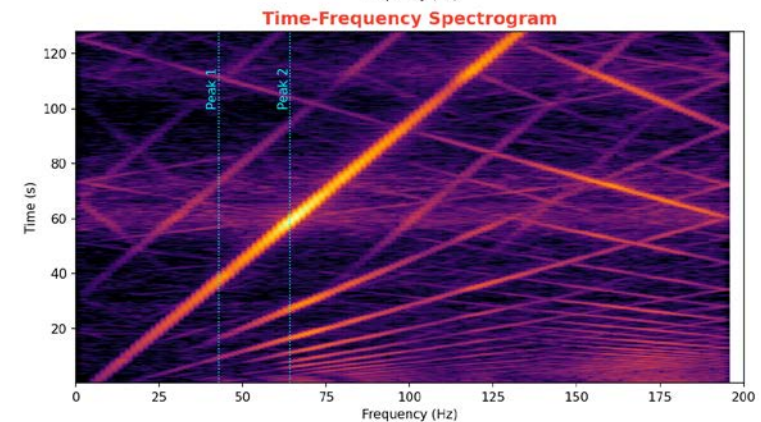
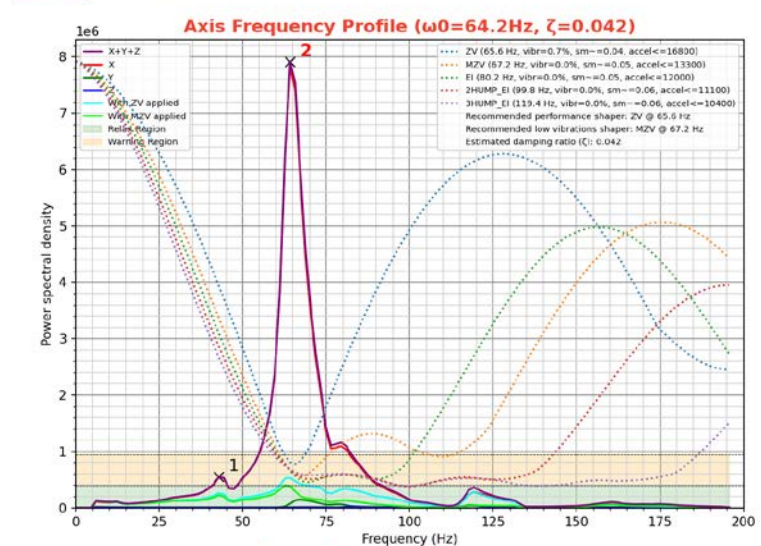
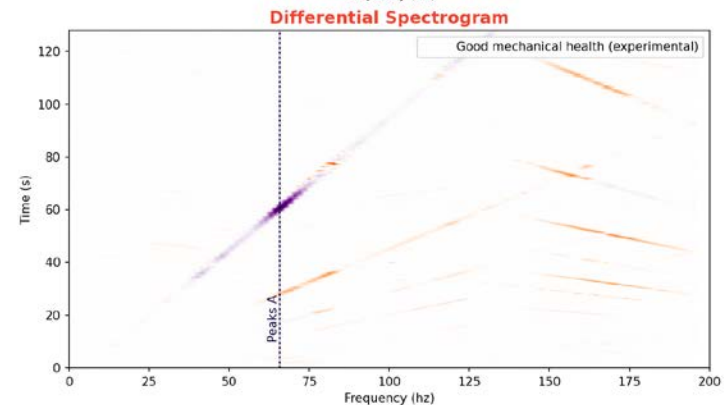
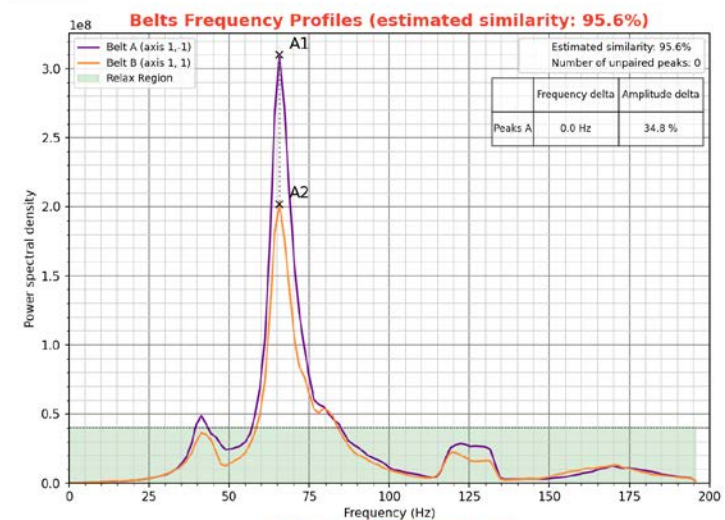
# ADXL.cfg

klipper config for testing

```
#####  
# Resonance Testing  
#####  
#####  
Ebb36 canbus board  
#####  
[adxl345]  
cs_pin: toolhead:CS_ADXL  
spi_software_sclk_pin: toolhead:ADXL  
SCLK spi_software_mosi_pin: toolhead:ADXMLMOSI  
spi_software_miso_pin: toolhead:ADXMLMISO  
#####  
#cartographer  
#####  
[lis2dw]  
cs_pin: cartographer:PA3  
spi_bus: spi1  
  
[resonance_tester]  
#accel_chip: lis2dw  
accel_chip: adxl345  
probe_points: 175, 175, 20  
accel_per_hz: 100
```

To switch between ebb36 and cartographer:  
comment out the chip (adxl345 or Lis2dw) you do not  
Want to use in [resonance\_testor]

# Cartographer –lis2dw



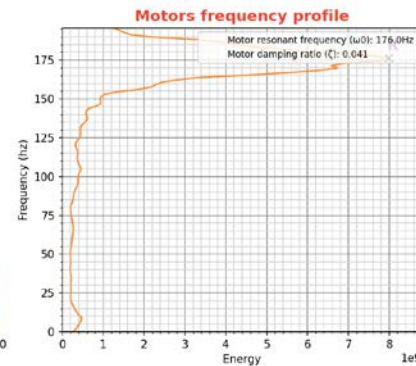
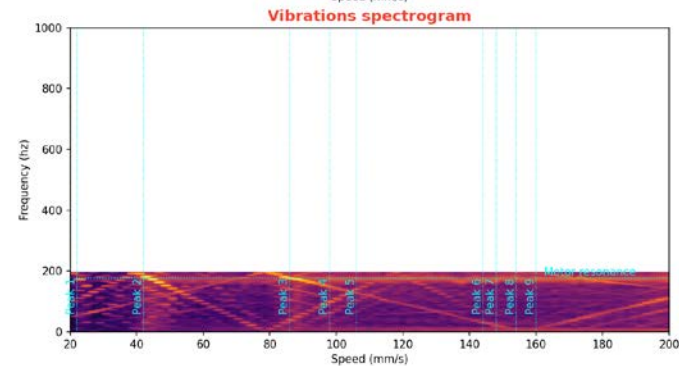
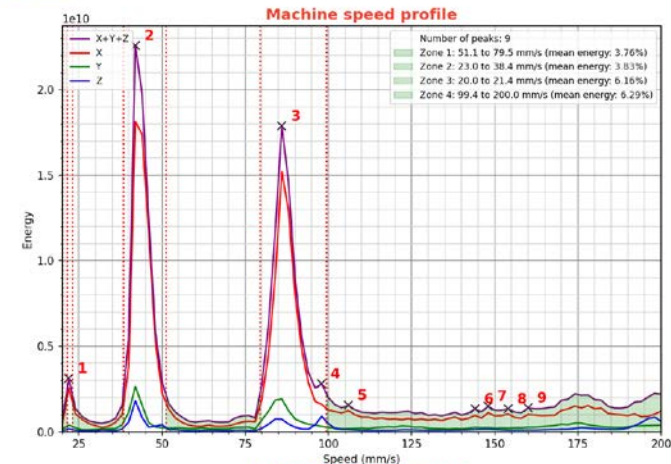


# Cartographer – lis2dw



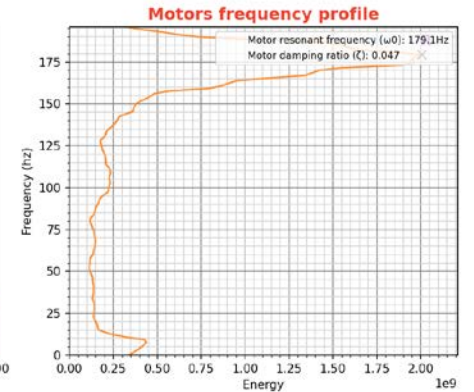
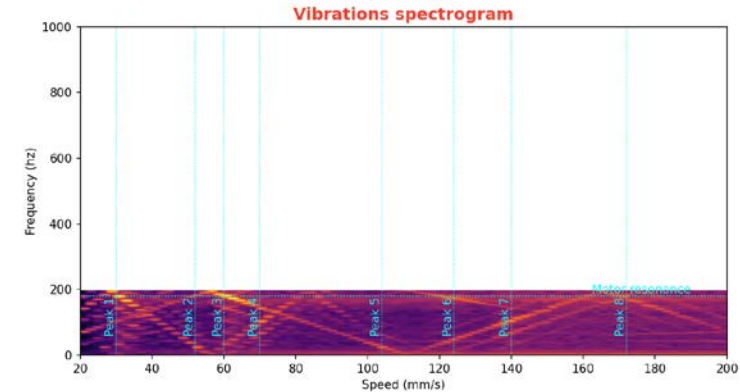
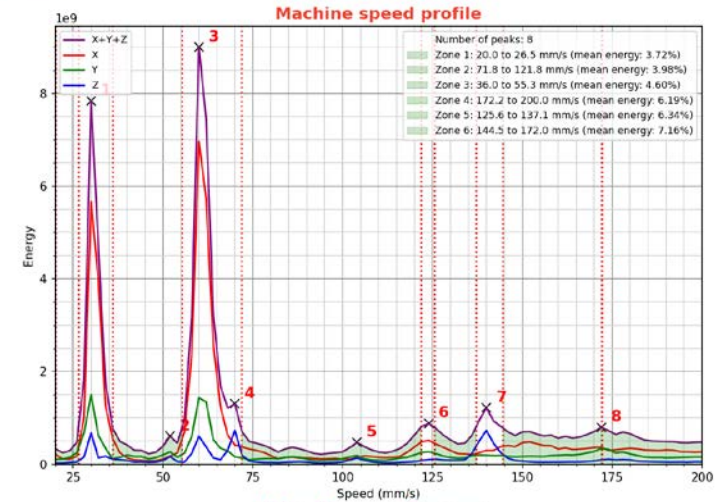
## VIBRATIONS MEASUREMENT TOOL

07/02/24 20:05:05 -- XY axis at 3000 mm/s<sup>2</sup>



## VIBRATIONS MEASUREMENT TOOL

07/02/24 20:42:05 -- AB axis at 3000 mm/s<sup>2</sup>



v2.5.0-5-g9fa07a1

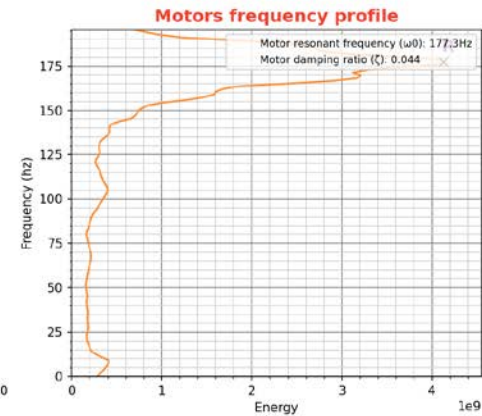
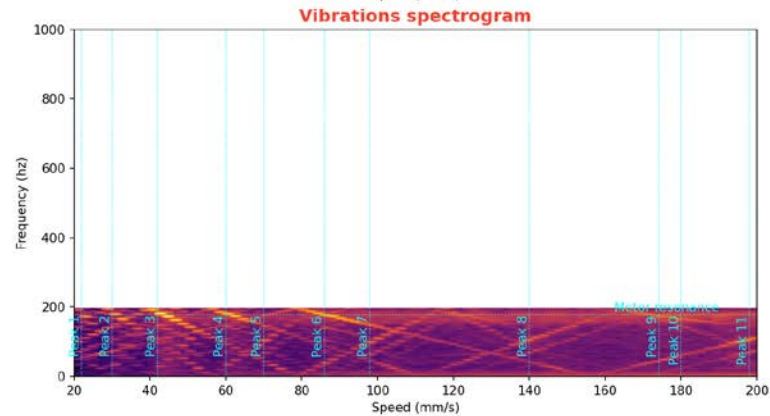
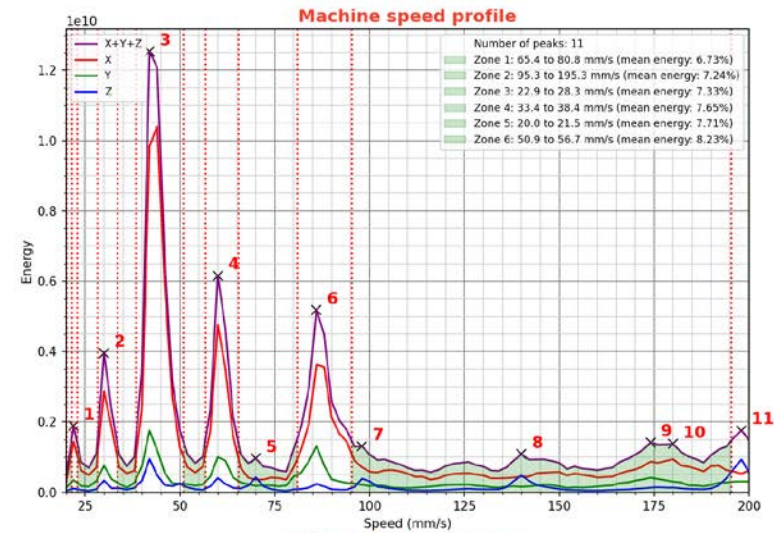
# Cartographer – lis2dw



## VIBRATIONS MEASUREMENT TOOL

07/02/24 20:54:22 -- ABXY axis at 3000 mm/s<sup>2</sup>

v2.5.0-5-g9fa07a1





# Ebb36 – adxl345



## RELATIVE BELT CALIBRATION TOOL

07/02/24 21:31:50

v2.5.0-5-g9fa07a1



## INPUT SHAPER CALIBRATION TOOL

07/02/24 21:35:11 -- X axis

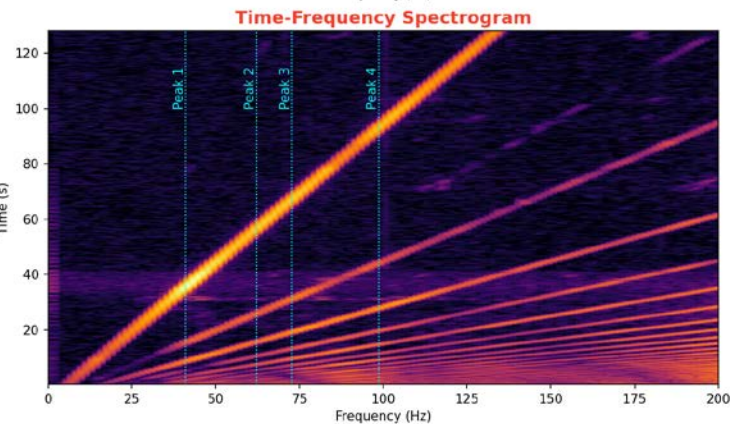
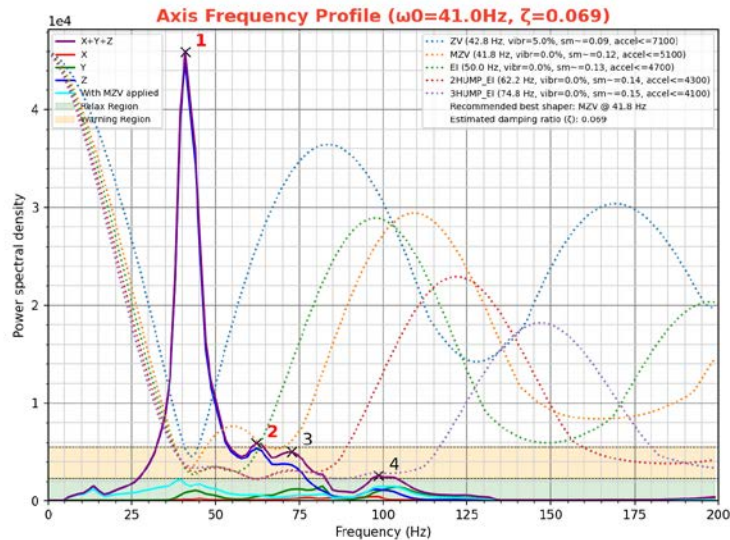
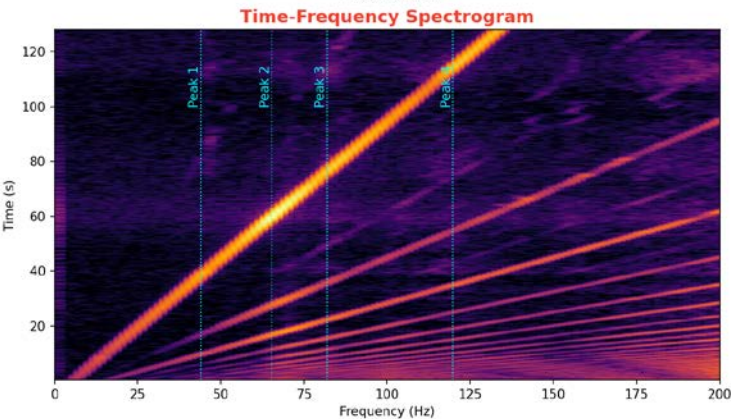
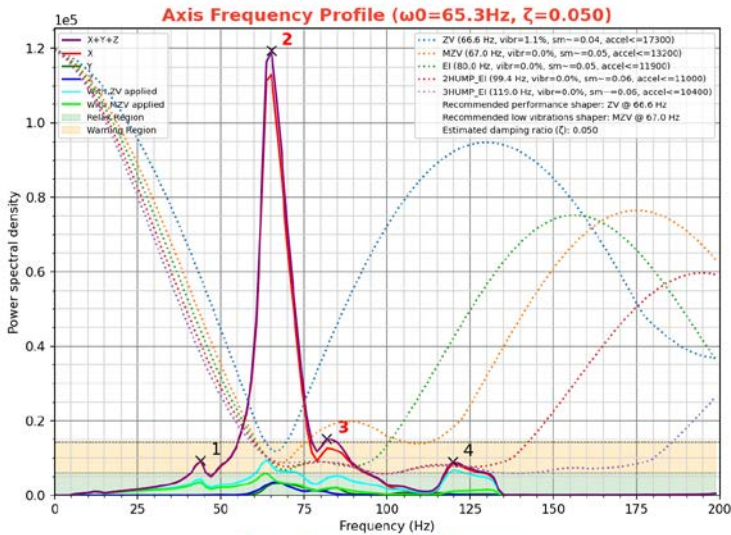
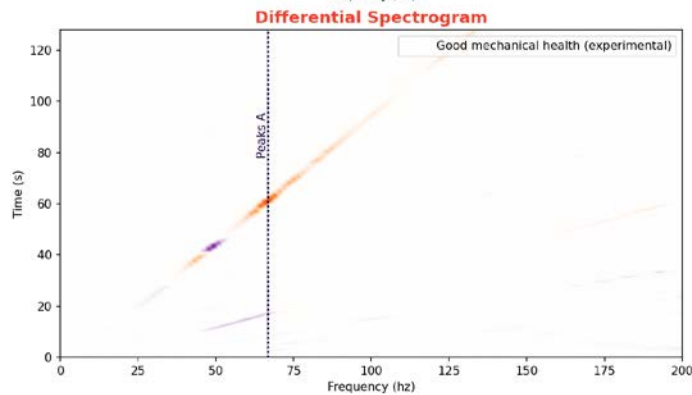
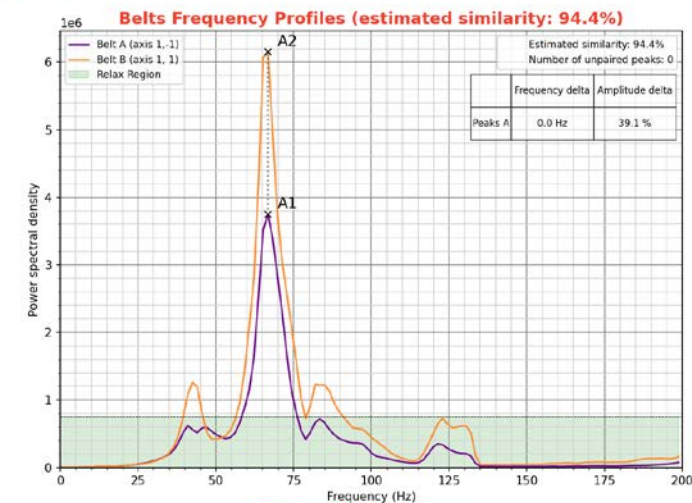
v2.5.0-5-g9fa07a1



## INPUT SHAPER CALIBRATION TOOL

07/02/24 21:37:37 -- Y axis

v2.5.0-5-g9fa07a1

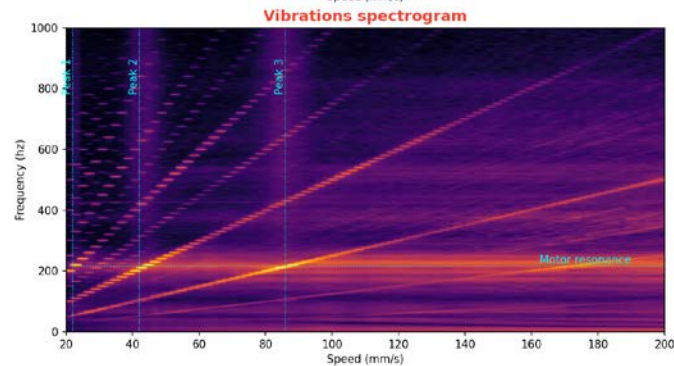
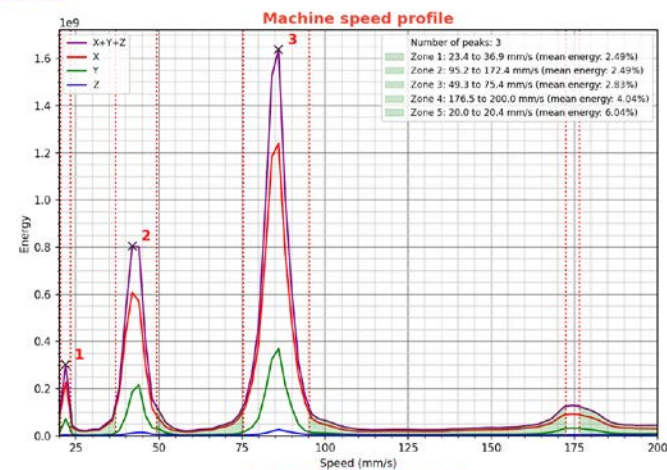


# Ebb36 – adxl345

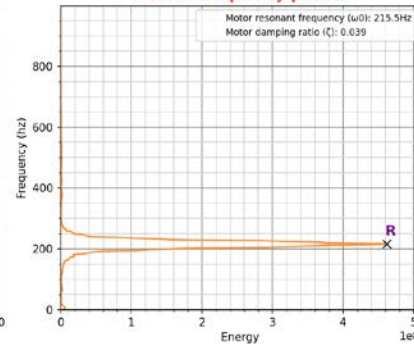


## VIBRATIONS MEASUREMENT TOOL

07/02/24 21:44:47 -- XY axis at 3000 mm/s<sup>2</sup>



## Motors frequency profile

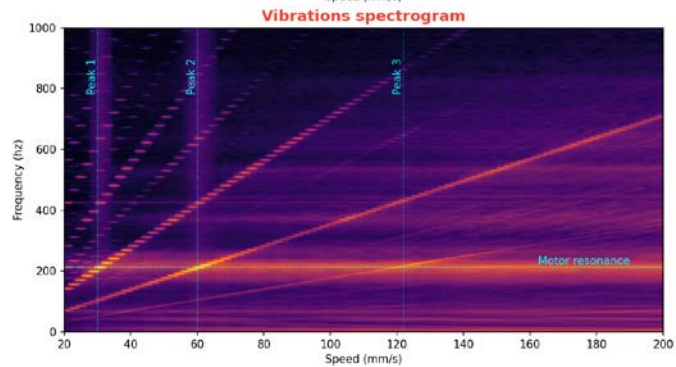
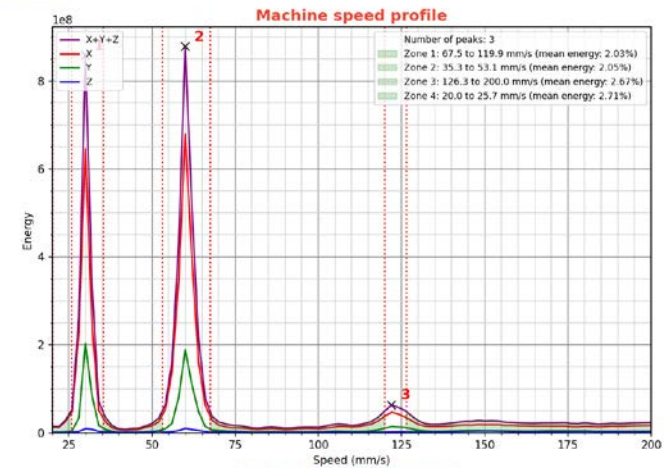


v7.5.0-5-g9fa07a1

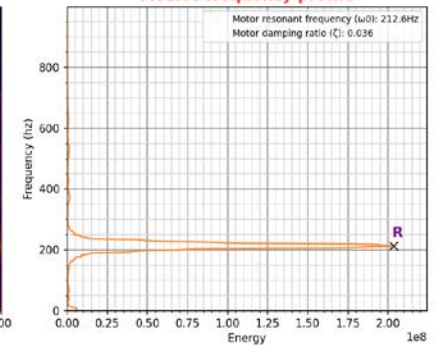


## VIBRATIONS MEASUREMENT TOOL

07/02/24 21:54:52 -- AB axis at 3000 mm/s<sup>2</sup>



## Motors frequency profile



v7.5.0-5-g9fa07a1



# Ebb36 – adxl345



## VIBRATIONS MEASUREMENT TOOL

07/02/24 22:05:24 -- ABXY axis at 3000 mm/s²

v2.5.0-5-g9fa07a1

