

Testing Procedure for 3' x 3' English table with new insert design:

Equipment Used:

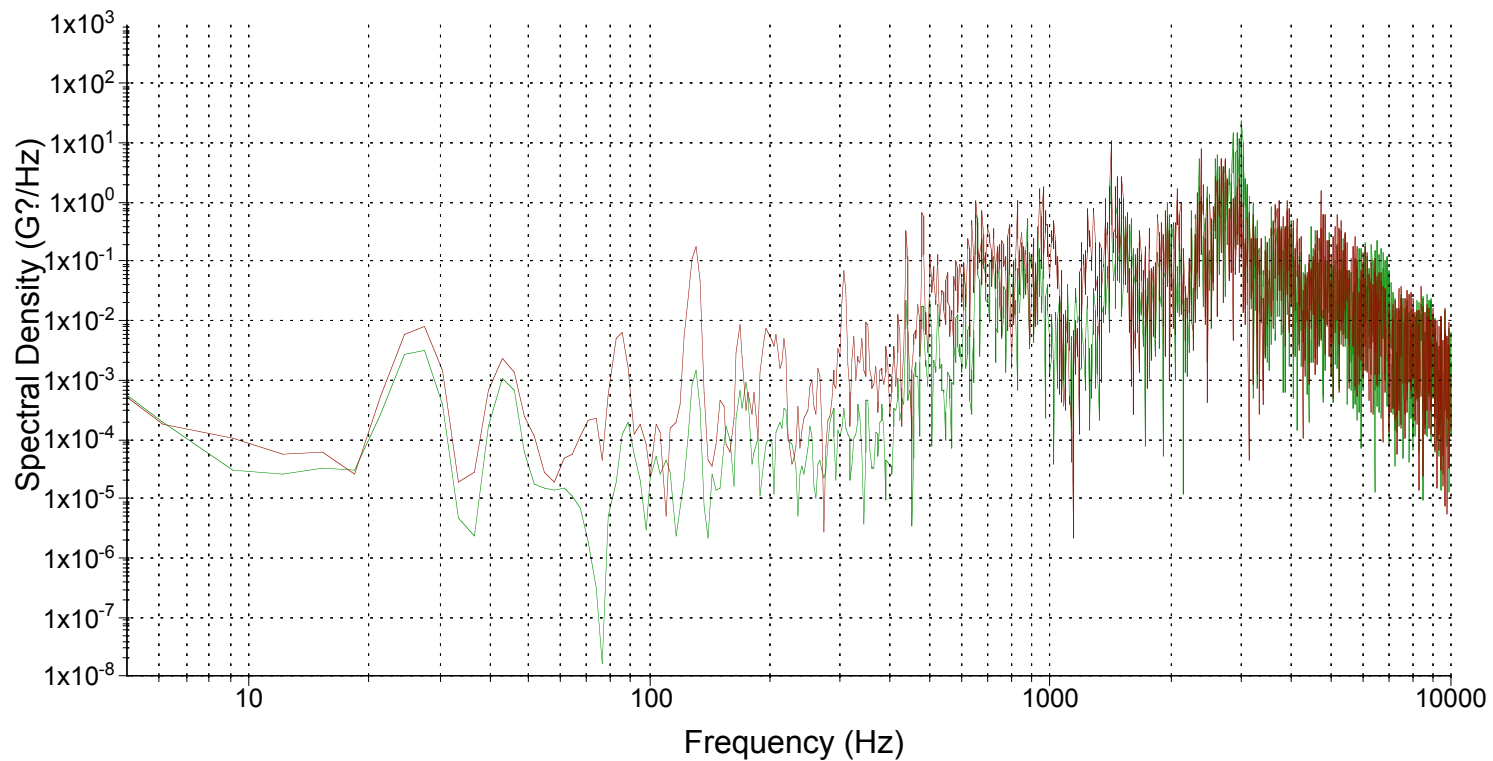
Hanse Environmental: 2' x 2' Metric	Serial number: N/A	Calibrated: N/A
Hanse Environmental: Hanse View	Version: 2.1.35	Calibrated: N/A
Hanse Environmental: Large Vibrator	Serial number: 720	Calibrated: N/A
Hanse Environmental: Large Vibrator	Serial number: 722	Calibrated: N/A
Hanse Environmental: Med Vibrator	Serial number: 790	Calibrated: N/A
Hanse Environmental: Med Vibrator	Serial number: 791	Calibrated: N/A
IO Tech: DaqBoard 2000	Serial number: 234547*	Calibrated:
IO Tech: DBK 203	Serial number:	Calibrated:
IO Tech: DBK 18	Serial number:	Calibrated:
JC Systems: 704-GRMS	Serial number: 6835	Calibrated: 3-10-2005
Dytran: 3030B5	Serial number: 12199	Calibrated: 3-16-2005
Dytran: 3030B5	Serial number: 9790	Calibrated:
Dytran: 6556	Serial number: N/A	Calibrated: N/A
Dytran: 6011A10	Serial number: N/A	Calibrated: N/A
Dytran: 6011A10	Serial number: N/A	Calibrated: N/A
Watlow: F4D	Serial number: 008134	Calibrated:

Test Procedure:

In Standard VTC-9 with new springs, table, vibrators, and control system measure the frequency response of 2 axes simultaneously of select locations on a 3' x 3' English table. This is done at 5 GRMS, 20 GRMS, 40 GRMS, 60 GRMS, and Max GRMS recording each level and location using Hanse View with an IO Tech data board. The control is the Z-Axis taken from the 704-GRMS 0-1 V output.

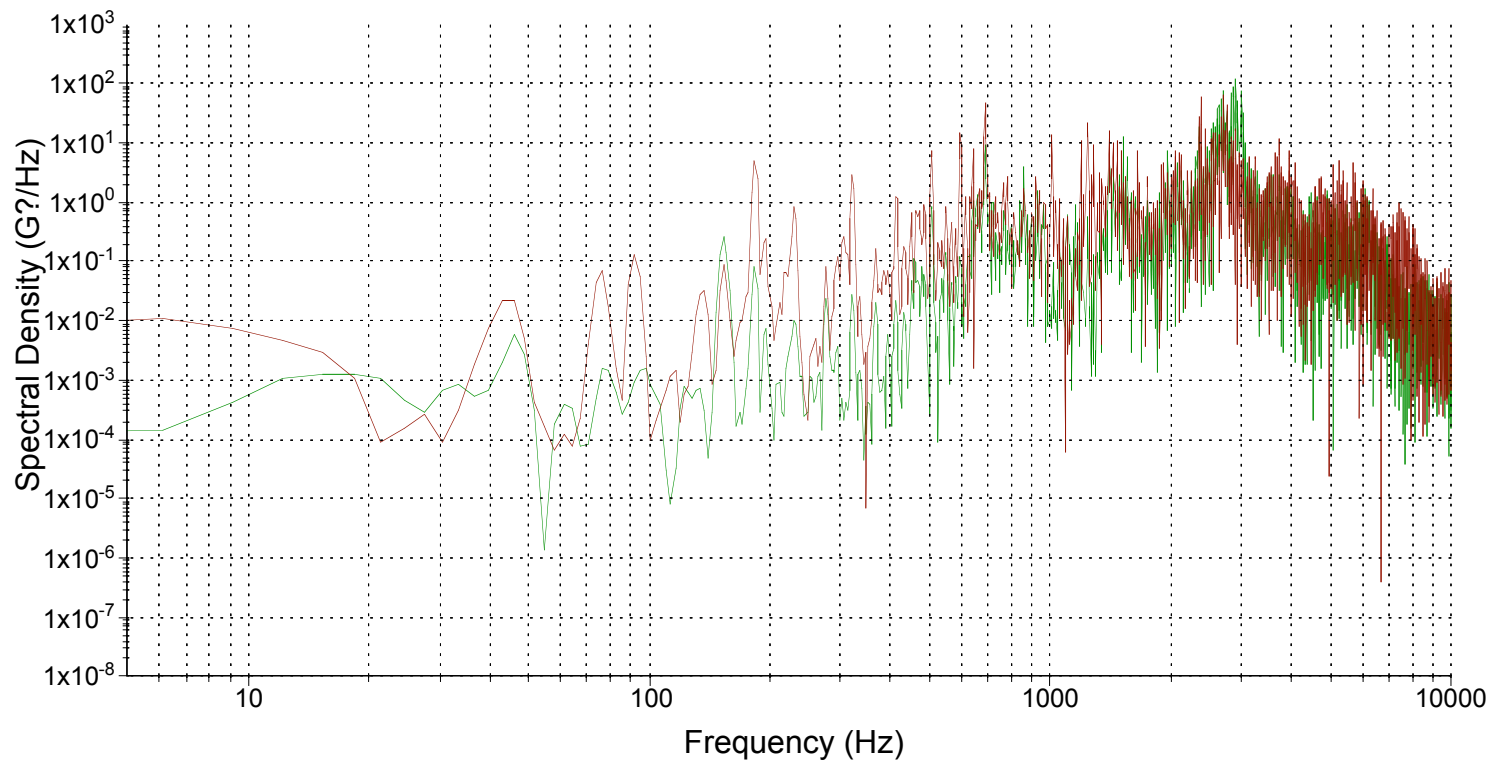
The Z-Axis (s/n 12199) is up and down. The X-Axis (s/n 9790) is facing the side wall towards the control council. The accelerometers used are all Dytran 3030B5 within recommended calibration they are attached to a Dytran 6556 block that is bolted to the table in the same orientation each time using the same bolt. The accelerometers are powered by a JC Systems: 704-GRMS box within its calibration date. The raw data then is feed to the computer via an IO tech DBK 18 that feeds into the DaqBoard 2000. Then displayed and recorded using Hanse View.

Spectral Density



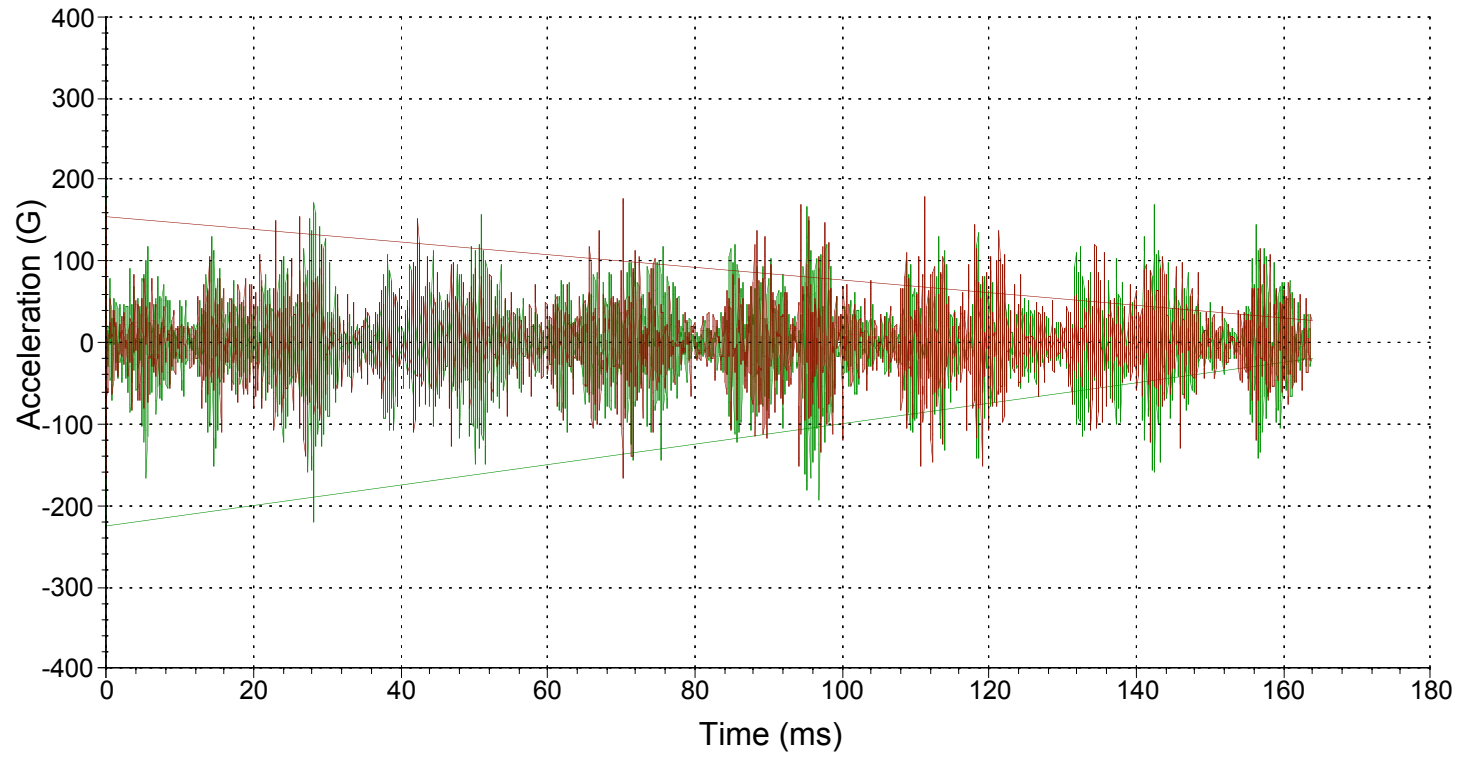
3 ft x 3 ft Spot 5-4 40 GRMS PSD. LOG LOG.

Spectral Density



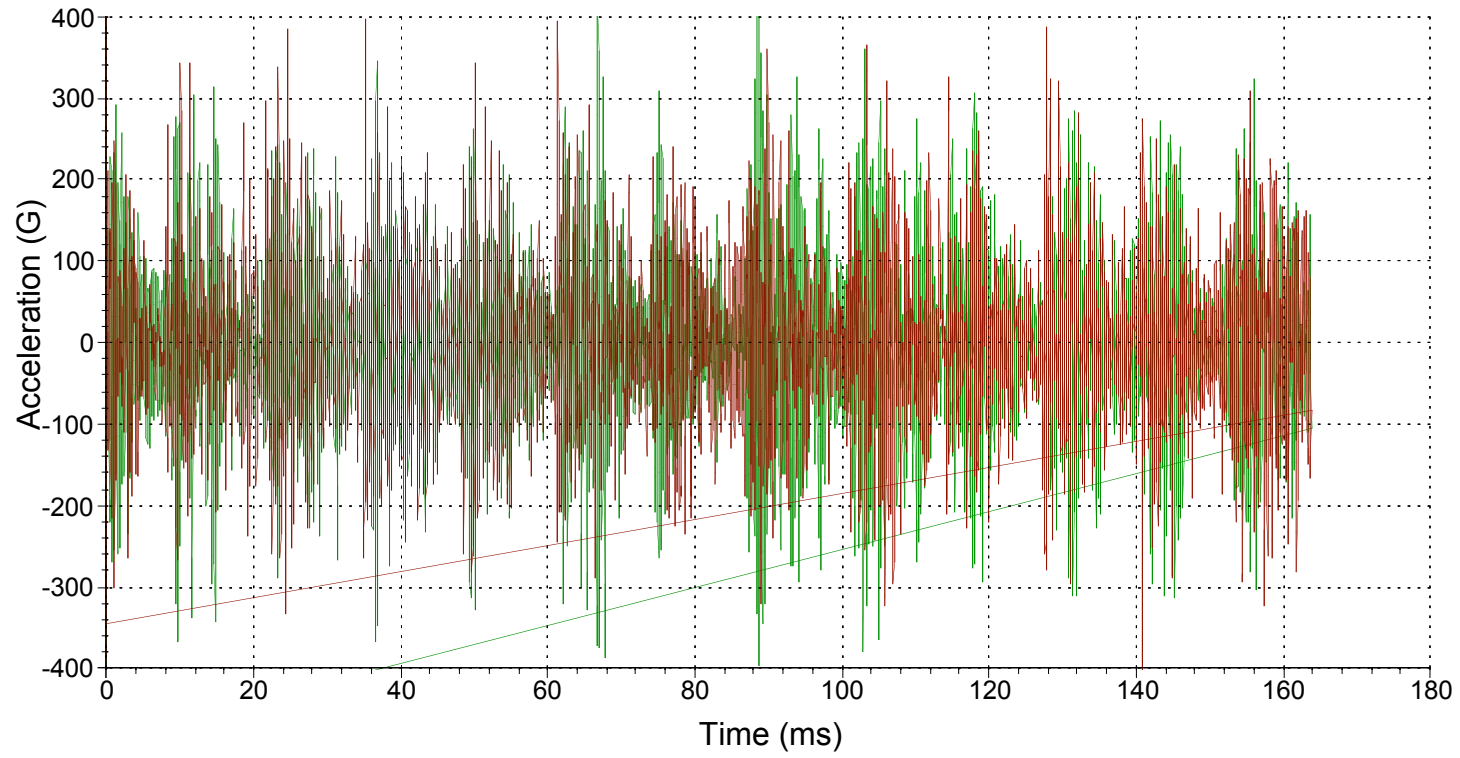
3 ft x 3 ft Spot 5-4 100 GRMS PSD. LOG LOG.

Vibration Waveform



3 ft x 3 ft Spot 5-4 40 GRMS Vibration Waveform.

Vibration Waveform



3 ft x 3 ft Spot 5-4 100 GRMS Vibration Waveform.