**Test Report**

**Report time:** Aug-17-2021 16:05:08 **Data measured at:** Aug-17-2021 15:39:57

**Test name:** Sine3 **Test type:** VCS (Swept Sine)

**Test status:** Test Stopped (User Abort) **Run folder:** Run5 Aug 17, 2021 15-34-24

**EDM version:** 9.0.1.11 **Serial Number (Master):** 1033600

**Testing time**

**Remaining Time:** 00:05:13 **Total elapsed time:** 00:05:33 **Full level elapsed time:** 00:05:26

**Run Start Time:** Aug-17-2021 15:34:25

**Test parameters**

**Current Frequency:** 1857,3 Hz **Sweeping Rate:** 1 Oct/Min **Sweep Number:** 2

**Signal Plot Points:** 2048 **Sweep Type:** Logarithmic

##### Control Composite

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**Testing time**

**Remaining Time:** 00:05:13 **Total elapsed time:** 00:05:33 **Full level elapsed time:** 00:05:26

**Run Start Time:** Aug-17-2021 15:34:25

**Test parameters**

**Current Frequency:** 1857,3 Hz **Sweeping Rate:** 1 Oct/Min **Sweep Number:** 2

**Signal Plot Points:** 2048 **Sweep Type:** Logarithmic

##### All Views

##### (SIG0004\_Spectrum(X),SIG0004\_Spectrum(Drone\_Z),SIG0004\_Spectrum\_Up(Drive\_Z),SIG0004\_Spectrum(Y))

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**Testing time**

**Remaining Time:** 00:05:13 **Total elapsed time:** 00:05:33 **Full level elapsed time:** 00:05:26

**Run Start Time:** Aug-17-2021 15:34:25

**Test parameters**

**Current Frequency:** 1857,3 Hz **Sweeping Rate:** 1 Oct/Min **Sweep Number:** 2

**Signal Plot Points:** 2048 **Sweep Type:** Logarithmic

##### (Drive\_Z,Y,X,Drone\_Z)

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**Testing time**

**Remaining Time:** 00:05:13 **Total elapsed time:** 00:05:33 **Full level elapsed time:** 00:05:26

**Run Start Time:** Aug-17-2021 15:34:25

**Test parameters**

**Current Frequency:** 1857,3 Hz **Sweeping Rate:** 1 Oct/Min **Sweep Number:** 2

**Signal Plot Points:** 2048 **Sweep Type:** Logarithmic

##### Run Log

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Absolute Time** | **Test Time** | **Event Type** | **Ctrl./Target Peak** | **Event Data** | **Event Source** | **Freq. (Hz)** |
| **Swept Sine Test Run Log 15:34:24, 17/08/2021** | | | | | | |
| **Sine3: No description** | | | | | | |
| **Run description: Sine3/Run5 Untitled Test Note** | | | | | | |
| 15:34:24, 17/08/2021 | 00:00:00 | Start Schedule | 0 | User Cmd | **0,00** | |
| 15:34:24 | 00:00:00 | Schedule Sweep | 100,00% | Schedule | **50,00** | |
| 15:34:28 | 00:00:05 | Flash Screen and Beep | 0 | Action | **50,00** | |
| 15:38:37 | 00:00:00 | System Alarm | Monitor Chnl. Lost:X(1) | System | **0,00** | |
| 15:38:36 | 00:04:13 | Flash Screen and Beep | 0 | Action | **847,81** | |
| 15:38:57 | 00:00:00 | System Alarm | Monitor Chnl. Lost:Y(1) X(1) | System | **0,00** | |
| 15:38:57 | 00:04:34 | Flash Screen and Beep | 0 | Action | **1077,78** | |
| 15:39:57 | 00:05:33 | Stop the Test | 0,300/0,300 g | User Cmd | **1857,34** | |
| 15:39:57 | 00:05:33 | Flash Screen and Beep | 0 | Action | **1857,34** | |
| 15:39:57 | 00:05:33 | User Abort | 0,300/0,300 g | 1 | System | 1857,34 |
| **Schedule not finished: User Abort; Full level elapsed: 00:05:26; Total elapsed: 00:05:33** | | | | | | |

##### Channel Status

Device name: SN: 1033600

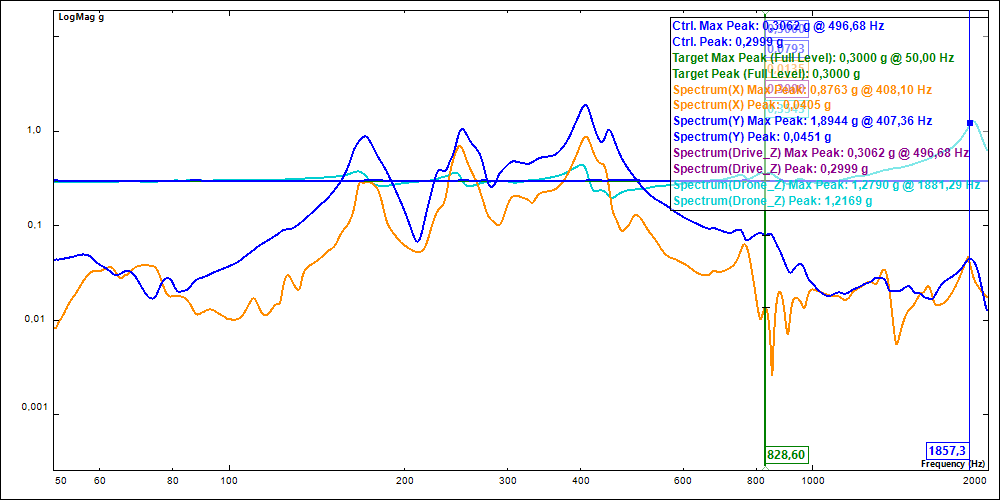
|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Location ID** | **Status** | **Unit** | **Min** | **Max** | **RMS** | **Pk** | **Average** | **MaxPeak** | **MaxRMS** | **Overload** |
| Drive\_Z | Enabled | g | -0,00763 | 0,01287 | 0,00375 | 0,01287 | 0,00262 | 0,32449 | 0,2179 | No |
| Y | Enabled | g | -0,00644 | 0,00596 | 0,00171 | -0,00644 | -0,00024 | -1,90711 | 1,34431 | No |
| X | Enabled | g | -0,00143 | 0,00501 | 0,00208 | 0,00501 | 0,00179 | 0,88763 | 0,61829 | No |
| Drone\_Z | Enabled | g | -0,00455 | 0,00534 | 0,00165 | 0,00534 | 0,00039 | 1,30379 | 0,91366 | No |

##### Saved results during run

**Test name:** Sine3 **Test type:** VCS(Swept Sine)

**Run folder:** Run5 Aug 17, 2021 15-34-24

##### Composite 0004 1



**Data saved at:** Aug-17-2021 15:40:02 **Level:** 100,00 % **Drive Pk:** 0,017 V

**Est. disp. (PkPk):** 4,319e-5 mm **Velocity Pk:** 2,520e-4 m/s **Control Pk:** 0,3 g

**Target Pk:** 0,300 g **Current Frequency:** 1857,339 Hz **Total Cycle:** 1,870e+5

**Sweep Number:** 2 **Sweeping Rate:** 1 Oct/Min **Remaining Time:** 00:05:13

**Total elapsed time:** 00:05:33 **Full level elapsed time:** 00:05:26

##### Test Parameters

**Signal Plot Points:** 2048 **Control Strategy:** Single Channel

**Linear average number:** 30 **Initial drive (V):** 0,005

**Drive limit (V Pk):** 2 **Sweep Type:** Logarithmic

**Measurement Strategy:** Filter **Filter Type:** Proportional Filter

**Bandwidth (%):** 25 **Abort sensitivity:** 0,50

**Compression Rate:** Fast **Ramp Rate:** Slow

##### Testing Profile



|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Frequency** | **Acceleration** | **Velocity** | **Displacement** | **Segment Type** | **High Abort** | **High Alarm** | **Low Alarm** | **Low Abort** |
| 50 Hz | 0,3 g | 0,00936466 m/s | 0,0596173 mm |  | 6 dB | 3 dB | -3 dB | -6 dB |
|  |  |  |  | Const. Ampl. |  |  |  |  |
| 2000 Hz | 0,3 g | 0,000234117 m/s | 3,72608E-05 mm |  | 6 dB | 3 dB | -3 dB | -6 dB |

##### Check against Shaker

|  |  |  |  |
| --- | --- | --- | --- |
| **Physical Quantity** | **Max. Profile Value** | **Shaker Limits** | **Profile/Shaker Limits** |
| Acceleration (g) | 0,3 (Peak) | 75 (Pk) | 0,4% |
| Pk Velocity (m/s) | 0,0093647 | 1,778 (Pk) | 0,5% |
| Peak-Peak Displacement (mm) | 0,059617 | 12,7 Peak-Peak | 0,5% |
| Pk Force (Newton) | 0,8826 | 9812,2 (Pk) | 0,0% |

##### Run Schedule

2 Sweeps; Start: 50Hz; Range: 50Hz to 2000Hz; Level: 100,00%; Duration: 00:10:38

My Report (Create Report)

##### Database and File Location Information

**Server:** localhost\APPDATASERVER14 **Database type:** SQLServer2014

**Database name:** alliantech **User name:** sa