

M8647-38 & M8647-40 Vibration Test

These models are vibration hardened version of the M8647 power supply series. The M8647-38 & M8647-40 have an enhanced vibration characteristics design, which enables the power supply to be able to withstand prolonged exposure to customer specific spectral density characteristics.

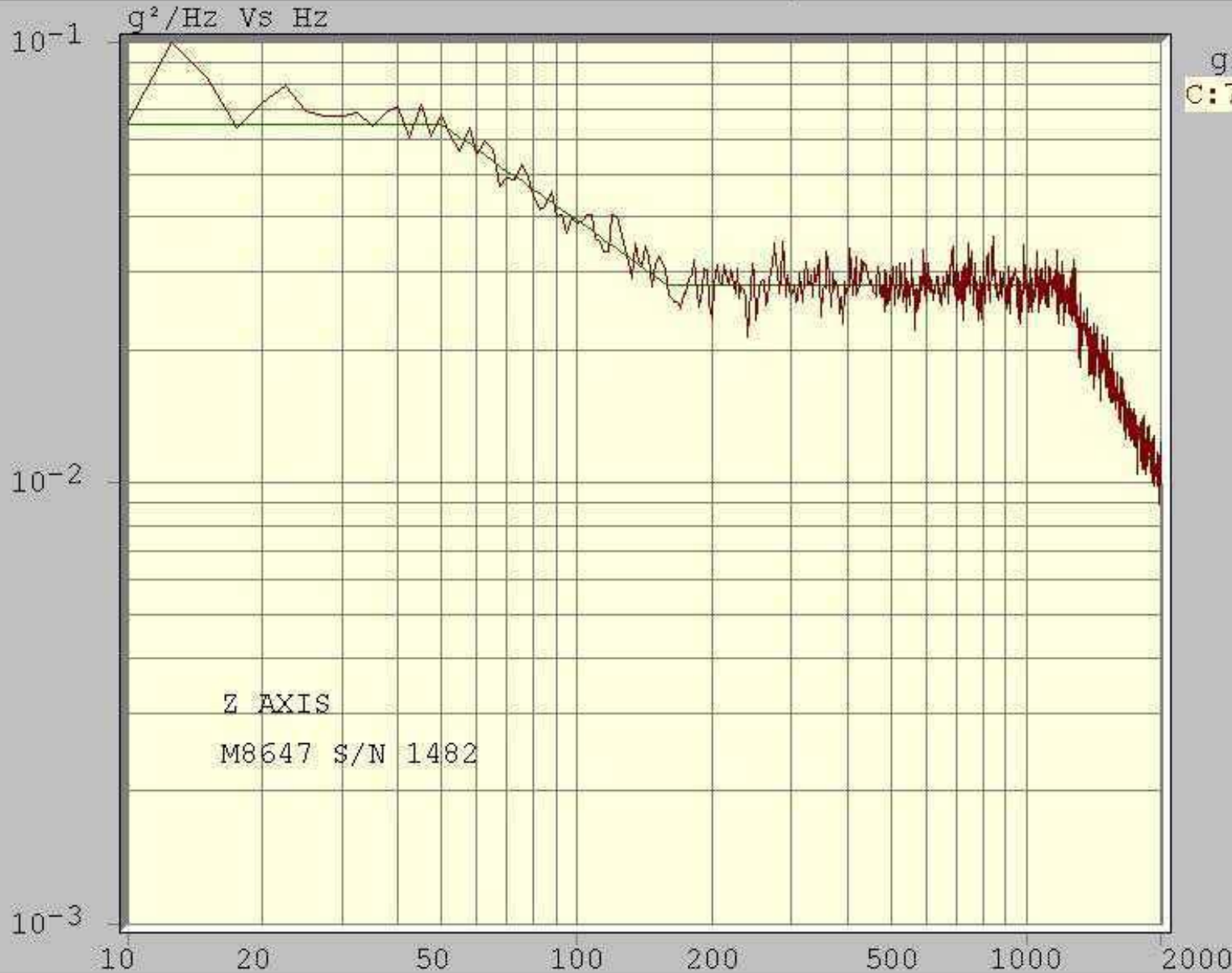
Verification has been performed by a comprehensive vibration test to the M8647 unit (serial #1482) which has a same vibration resistance configuration as the M8647-38 & M8647-40 units.

During the test the UUT output voltages were continuously monitored. The UUT was continuously ON while exposed to endurance levels for a 2 (two) hour period per each axis.

No deviations were monitored during the vibration procedure. The M8647 UUT has passed the test successfully.

Following are the vibration output curves for the test.

Control - PSD vs Freq



Z AXIS
M8647 S/N 1482

grms
C: 7.09

Save 1 of 1

18-12-02
08:42:02

Total: 02:01:25

Auto: 02:00:00

of 02:00:00

Status: Auto

FINISHED

Level 0.0 dB

Ref GRMS 7.04

Con GRMS 7.09

Drv Lim: 3.00 σ
DOF: 154
Lines: 1000
Res: 2.50 Hz
Control: Single
C: 1
AutoSave
S: 1

RANDOM SETUP ID: m8647
SETUP DESCRIPTION: m8647
RUN NAME: run31
CH-1: 100.0 mV/g

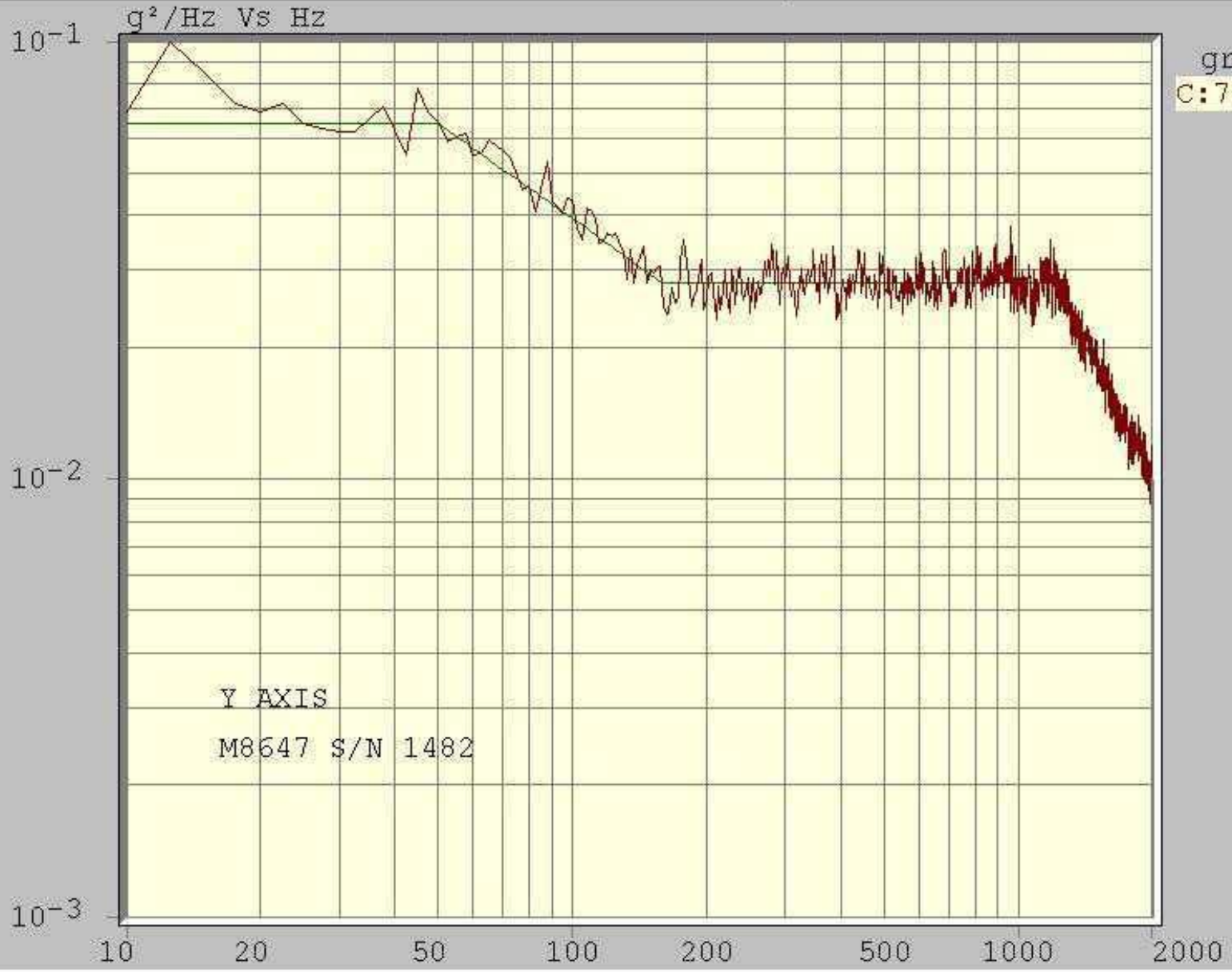
CH-2: 100.0 mV/g

CH-3: 10.00 mV/g

RUN DESC:

CH-4: 10.00 mV/g

Control - PSD vs Freq



Save 1 of 1

17-12-02

18:17:26

Total: 02:01:33

Auto: 02:00:00

of 02:00:00

Status: Auto

FINISHED

Level 0.0 dB

Ref

GRMS

7.04

Con

GRMS

7.09

Drv Lim: 3.00 σ

DOF: 154

Lines: 1000

Res: 2.50 Hz

Control: Single

C: 1

AutoSave

S: 1

RANDOM SETUP ID: m8647

SETUP DESCRIPTION: m8647

RUN NAME: run30

CH-1: 100.0 mV/g

CH-2: 100.0 mV/g

CH-3: 10.00 mV/g

RUN DESC:

CH-4: 10.00 mV/g

Control - PSD vs Freq



X AXIS
M8647 S/N 1482

Save 1 of 1

17-12-02

15:53:44

Total: 02:01:24

Auto: 02:00:00

of 02:00:00

Status: Auto

FINISHED

Level 0.0 dB

Ref

GRMS

7.04

Con

GRMS

7.09

Drv Lim: 3.00 σ

DOF: 154

Lines: 1000

Res: 2.50 Hz

Control:Single

C:1

AutoSave

S:1

RANDOM SETUP ID: m8647

SETUP DESCRIPTION: m8647

RUN NAME: run29

CH-1: 100.0 mV/g

CH-2: 100.0 mV/g

CH-3: 10.00 mV/g

RUN DESC:

CH-4: 10.00 mV/g