

TEST DESCRIPTION

Using the mode of operation and configuration noted within this report, conducted emissions tests were performed. The frequency range investigated (scanned), is also noted in this report. Conducted power line measurements are made, unless otherwise specified, over the frequency range from 150 kHz to 30 MHz to determine the line-to-ground radio-noise voltage that is conducted from the EUT power-input terminals that are directly (or indirectly via separate transformer or power supplies) connected to a public power network. Equipment is tested with power cords that are normally used or that have electrical or shielding characteristics that are the same as those cords normally used. Typically those measurements are made using a LISN (Line Impedance Stabilization Network), the 50 Ω measuring port is terminated by a 50 Ω EMI meter or a 50 Ω resistive load. All 50 Ω measuring ports of the LISN are terminated by 50 Ω .

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Receiver	Rohde & Schwarz	ESCI	ARH	02/05/2014	12 mo
High Pass Filter	TTE	H97-100K-50-720B	HHD	01/22/2014	12 mo
EV07 Cables	N/A	Conducted Cables	EVG	03/07/2014	12 mo
Attenuator	Fairview Microwave	SA6B10W-20	RKA	10/24/2013	12 mo
LISN	Solar	9252-50-R-24-BNC	LIR	10/09/2013	12 mo

MEASUREMENT UNCERTAINTY

Description		
Expanded k=2	2.94 dB	-2.94 dB

CONFIGURATIONS INVESTIGATED

SNSY0011-1

MODES INVESTIGATED

On, 1000 watt setting as requested by client.

EUT:	902232 Digital Ballast	Work Order:	SNSY0011
Serial Number:	None	Date:	08/06/2014
Customer:	Sunlight Supply Inc.	Temperature:	25°C
Attendees:	None	Relative Humidity:	45%
Customer Project:	None	Bar. Pressure:	1020 mb
Tested By:	Carl Engholm	Job Site:	EV07
Power:	110VAC/60Hz	Configuration:	SNSY0011-1

TEST SPECIFICATIONS

Specification: Consumer equipment	Method:
FCC 18.307:2014	MP-5:1986

TEST PARAMETERS

Run #:	4	Line:	Neutral	Ext. Attenuation (dB):	20
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COMMENTS

Testing started after 15 minute warm-up period.

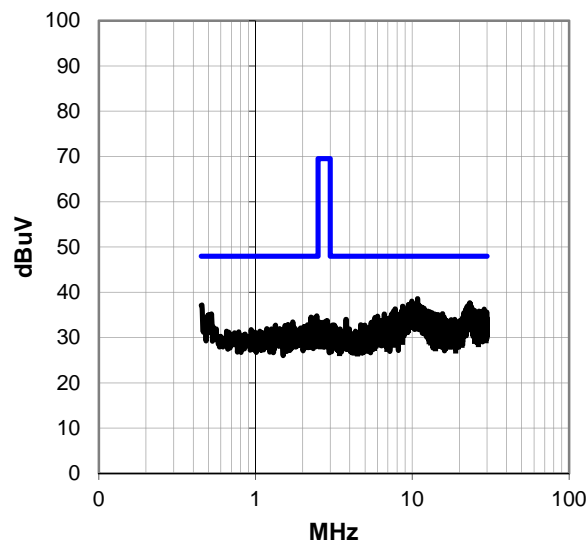
EUT OPERATING MODES

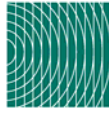
On, 1000 watt setting as requested by client.

DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit





CONDUCTED EMISSIONS

RESULTS - Run #4

Peak Data - vs - Quasi Peak Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
10.810	19.1	19.5	38.6	48.0	-9.4
9.949	18.5	19.5	38.0	48.0	-10.0
10.732	18.2	19.5	37.7	48.0	-10.3
23.323	18.0	19.6	37.6	48.0	-10.4
23.552	17.8	19.6	37.4	48.0	-10.6
23.230	17.8	19.6	37.4	48.0	-10.6
23.138	17.7	19.6	37.3	48.0	-10.7
9.484	17.8	19.5	37.3	48.0	-10.7
10.027	17.8	19.5	37.3	48.0	-10.7
10.374	17.8	19.5	37.3	48.0	-10.7
10.429	17.8	19.5	37.3	48.0	-10.7
10.854	17.8	19.5	37.3	48.0	-10.7
9.798	17.7	19.5	37.2	48.0	-10.8
10.056	17.7	19.5	37.2	48.0	-10.8
10.263	17.7	19.5	37.2	48.0	-10.8
0.454	17.4	19.8	37.2	48.0	-10.8
11.028	17.7	19.5	37.2	48.0	-10.8
10.001	17.6	19.5	37.1	48.0	-10.9
10.330	17.6	19.5	37.1	48.0	-10.9
10.603	17.6	19.5	37.1	48.0	-10.9
10.691	17.6	19.5	37.1	48.0	-10.9
11.002	17.6	19.5	37.1	48.0	-10.9
23.581	17.4	19.7	37.1	48.0	-10.9
23.212	17.4	19.6	37.0	48.0	-11.0
23.086	17.4	19.6	37.0	48.0	-11.0
22.887	17.4	19.6	37.0	48.0	-11.0

CONCLUSION

Pass

Tested By

EUT:	902232 Digital Ballast	Work Order:	SNSY0011
Serial Number:	None	Date:	08/06/2014
Customer:	Sunlight Supply Inc.	Temperature:	25°C
Attendees:	None	Relative Humidity:	45%
Customer Project:	None	Bar. Pressure:	1020 mb
Tested By:	Carl Engholm	Job Site:	EV07
Power:	110VAC/60Hz	Configuration:	SNSY0011-1

TEST SPECIFICATIONS

Specification: Consumer equipment	Method:
FCC 18.307:2014	MP-5:1986

TEST PARAMETERS

Run #:	5	Line:	High Line	Ext. Attenuation (dB):	20
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COMMENTS

Testing started after 15 minute warm-up period.

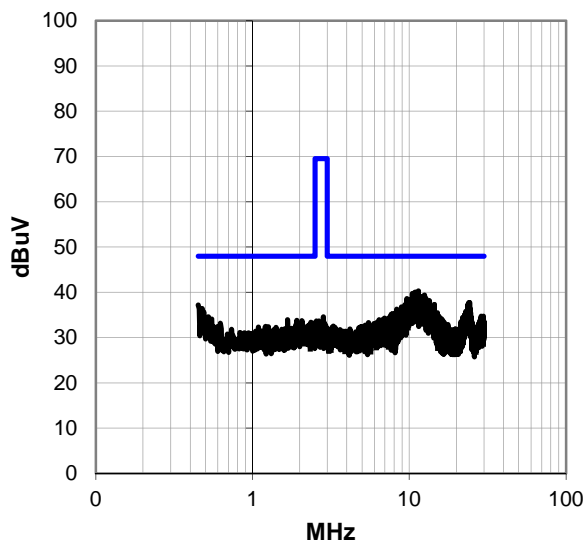
EUT OPERATING MODES

On, 1000 watt setting as requested by client.

DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



RESULTS - Run #5

Peak Data - vs -Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
11.456	20.8	19.5	40.3	48.0	-7.7
10.880	20.5	19.5	40.0	48.0	-8.0
11.087	20.5	19.5	40.0	48.0	-8.0
11.271	20.4	19.5	39.9	48.0	-8.1
10.496	20.2	19.5	39.7	48.0	-8.3
10.529	19.9	19.5	39.4	48.0	-8.6
11.194	19.9	19.5	39.4	48.0	-8.6
12.501	19.9	19.5	39.4	48.0	-8.6
12.265	19.6	19.5	39.1	48.0	-8.9
10.932	19.5	19.5	39.0	48.0	-9.0
10.957	19.5	19.5	39.0	48.0	-9.0
11.375	19.4	19.5	38.9	48.0	-9.1
11.958	19.4	19.5	38.9	48.0	-9.1
10.784	19.3	19.5	38.8	48.0	-9.2
10.551	19.2	19.5	38.7	48.0	-9.3
10.747	19.2	19.5	38.7	48.0	-9.3
12.793	19.2	19.5	38.7	48.0	-9.3
12.409	19.2	19.5	38.7	48.0	-9.3
9.661	19.1	19.5	38.6	48.0	-9.4
11.408	19.1	19.5	38.6	48.0	-9.4
11.545	19.1	19.5	38.6	48.0	-9.4
12.036	19.1	19.5	38.6	48.0	-9.4
11.334	19.0	19.5	38.5	48.0	-9.5
11.441	19.0	19.5	38.5	48.0	-9.5
12.394	19.0	19.5	38.5	48.0	-9.5
11.740	19.0	19.5	38.5	48.0	-9.5

CONCLUSION

Pass



Tested By