



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133

1250 PETERSON DRIVE, WHEELING, IL 60090-6454 • PHONE 847-537-6400 • FAX 847-537-6488 • www.dlsemc.com

EMISSIONS TEST REPORT

FCC Rules and Regulations
Unintentional Radiators - Class B Digital Devices
Part 15, Subpart B, Sections 15.107a, 15.109a
&
FCC Rules and Regulations
Intentional Radiators
Part 15, Subpart C, Section 15.247 Radiated Emissions in Restricted Bands

SUMMARY OF TEST RESULTS CAN BE FOUND IN SECTION 1.0 OF THIS REPORT

Equipment Under Test: M710 Label Printer
Test Voltage: Tested at 120 & 240 Vac, 60 Hz
Model Number: M710 Label Printer
Model Tested: M710
Serial Numbers: EM-3 #41 & EM-3 #46W, EM-3 #46W
Dates of Test: February 25 & 28, March 1 and May 5, 6 & 9, 2022
Test Conducted for: Brady Corporation
6555 W. Good Hope Rd.
Milwaukee, Wisconsin 53223
Date of Report: June 1, 2022
Revision Level: Initial Release

NOTICE: "This test report relates only to the items tested and must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government."

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Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133

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William Stumpf
OATS Manager

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Brian J. Mattson
General Manager



Company: Brady Corporation
Model Tested: M710
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CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

DLS Electronic Systems, Inc.
1250 Peterson Drive
Wheeling, IL 60090
(and satellite locations as shown on the scope)

Fulfills the requirements of

ISO/IEC 17025:2017

and

**U.S. Federal Communication Commission (FCC) EMC and Telecommunications (EC&T)
Testing Designation Program**

and

**Recognition of Telecommunications Testing - Innovation, Science, and Economic Development
(ISED) Canada**

and

**FDA Accreditation Scheme for Conformity Assessment (ASCA) Pilot Program -Basic Safety
and Essential Performance of Medical Electrical Equipment, Medical Electrical Systems, and
Laboratory Medical Equipment**

In the field of

TESTING

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

R. Douglas Leonard Jr., VP, PILR SBU
Expiry Date: 23 April 2024
Certificate Number: AT-1859



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory
quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Company: Brady Corporation
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1.0 SUMMARY OF TEST RESULTS

The M710 Label Printer, Model M710 was subjected to requirements of FCC Rules and Regulations, Part 15, Subpart B & Subpart C, Sections 15.107a, 15.109a & 15.247 with the results as described in the below table.

Test Section	Result
Section 15.107 AC Line Conducted Emissions	Meets
Section 15.109 Radiated Emissions Below 1 GHz	Meets
Section 15.109 Radiated Emissions Above 1 GHz	Meets
Section 15.247/205/209 Radiated Emissions in Restricted Bands Below 1 GHz	Meets
Section 15.247/205/209 Radiated Emissions in Restricted Bands Above 1 GHz	Meets

Our Laboratory expanded measurement uncertainty for the measurements referenced in this test report is less than that specified in CISPR 16-4-2. Therefore, compliance criteria provided in this test report is based solely on the results of the compliance measurements.

See the following test sections for a detailed explanation of the test results.

2.0 INTRODUCTION

On February 25 & 28, March 1 and May 5, 6 & 9, 2022, a series of radio frequency interference measurements were performed on the M710 Label Printer, Model M710, Serial Numbers EM-3 #41 & EM-3 #46W, EM-3 #46W. All tests were performed in accordance with FCC, ANSI C63.4-2014 & ANSI C63.10-2013 procedures and requirements.

3.0 TEST FACILITY

D.L.S. Electronic Systems, Inc. is a full-service EMC Testing Laboratory accredited to ISO 17025. Our test facilities are located at 1250 Peterson Drive, Wheeling, IL, and 166 South Carter Street, Genoa City, WI. Our NVLAP Certificate and Scope of Accreditation can be viewed at DLSEMC.COM/Accreditations. Our facilities are recognized by the FCC, ISED, and VCCI. All emissions tests were performed by personnel of D.L.S. Electronic Systems, Inc.

4.0 TEST EQUIPMENT

A list of the test equipment used, along with identification and calibration data, is included in the Table(s) at the end of this introduction section. All primary equipment was calibrated against known reference standards with a verified traceable path to NIST.



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Model Tested: M710
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5.0 DESCRIPTION OF TEST SAMPLE

5.1. DESCRIPTION

The M710 Label Printer is a Thermal Transfer printer. The printer relies on smart-cell technology for recognizing ribbon and label media. Simple creation of a variety of label types right on the printer. Alternatively create label using Brady Workstation desktop software or the Brady Express Labels mobile app. Supports a wide variety of label supplies: die-cut, continuous, sleeves, durableness, tags, external bulk labels, and more. Features include, long battery life, ability to use the printer while the battery is charging, a 3.5" color display, automatic label cutter and wireless model includes Wi-Fi and Bluetooth connectivity.

5.2. PHYSICAL DIMENSIONS OF EQUIPMENT UNDER TEST

13.0" L x 9.5" W x 4.6" H

5.3. INTERNALLY GENERATED FREQUENCIES

Switching Power Supply Frequencies

Brady supplied external LPS CWT 2AAL090J (18V); single phase AC input, single output switching power adaptor.

Digital Clock/Timing Frequencies

2.4GHz - Telit Wi-Fi, ST BT module 800MHz - CPU core 303MHz - DDR interface 48MHz - USB internal to CPU 24MHz - CPU crystal, USB crystal 12MHz - Printhead clock, SPI data for radio 400kHz - I2C0 100kHz - I2C1

6.0 MODIFICATIONS MADE TO EUT FOR EMC COMPLIANCE

No modifications to the EUT were required.



Company: Brady Corporation
Model Tested: M710
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7.0 PHOTO INFORMATION AND TEST SET-UP

- Item 0 EUT
- Item 1 AC/DC Power Adapter, Model CWT 2AAL090J
- Item 2 Unshielded AC Power Cable, 1.5 meters long with plastic shells
- Item 3 Shielded USB Cable, 1.5 meters long with metal shells
- Item 4 Laptop PC for termination of USB cable only (NOT EUT)
- Item 5 Apacer USB Thumb Drive

7.1 PHOTO ID TAKEN DURING TESTING

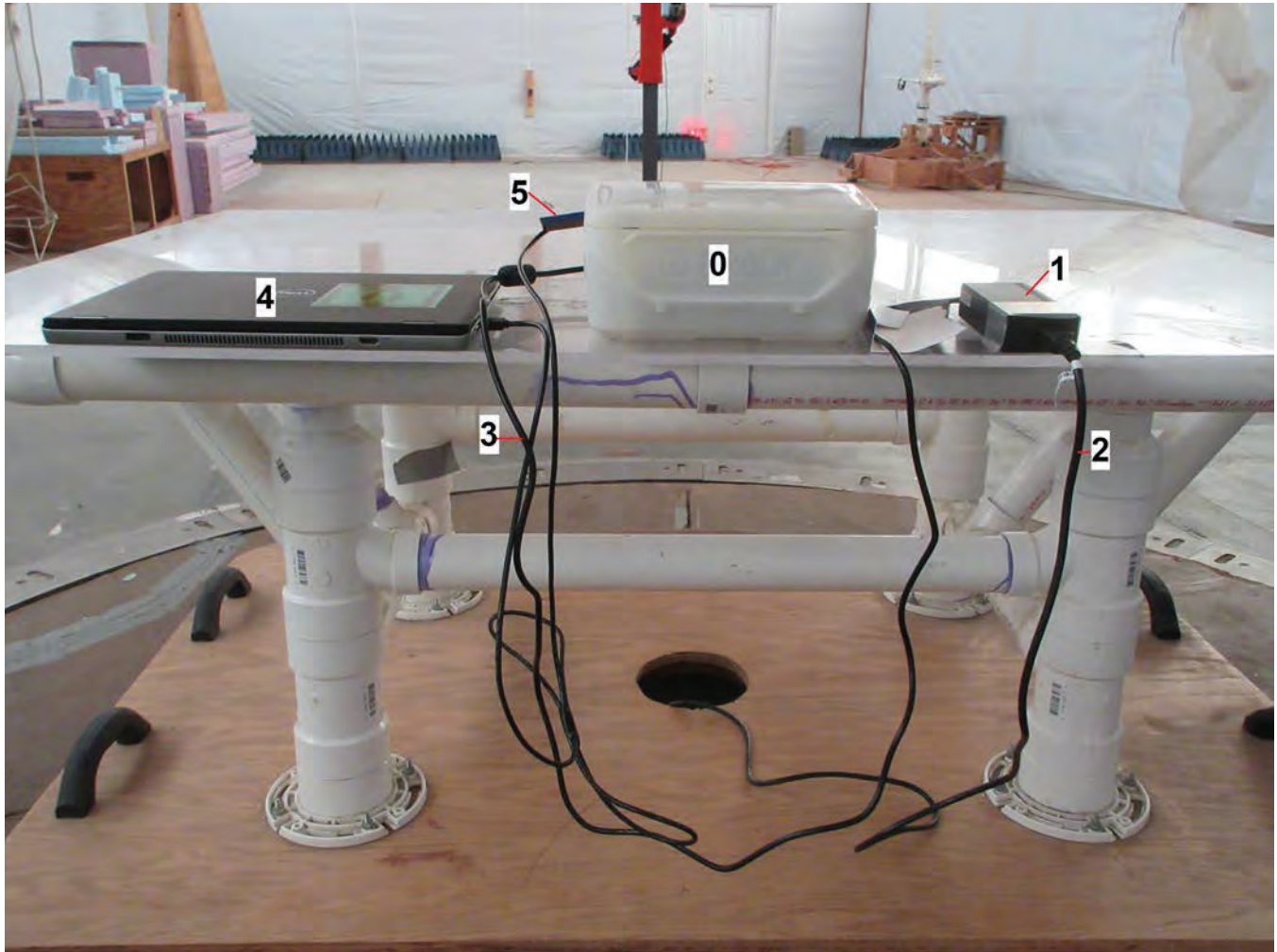


Photo ID



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions

FCC PART 15, SUBPART B & SUBPART C

SECTION 15.107

AC LINE CONDUCTED EMISSIONS



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions

1.0 TEST PROCEDURE AND SETUP

The M710 Label Printer was set up according to the general testing requirements of FCC Part 15, Subpart B & ANSI C63.4.

All test measurements were made with the following mode of operation:

Continuous print and cut mode, with both radios powered but not continuously transmitting. Powered with AC adapter, and battery powered with power cord plugged into printer and LISN with power to LISN turned OFF.

2.0 TEST RESULTS

The M710 Label Printer Model Number: M710 **meets** the requirements of FCC Part 15, Subpart B & Subpart C for Section 15.107 AC Line Conducted Emissions. Plots and tabular data can be viewed at the end of this section.

Summary: No non-compliant emissions were observed.

3.0 SAMPLE CALCULATIONS

Line Conducted emissions: Emissions measurements include all system transducers and are compared against the appropriate limit requirement. See sample calculation below.

$$\begin{array}{lcl} \text{Equations:} & \underline{\text{Level(dB}\mu\text{V)}} = & \underline{\text{Raw Level(dB}\mu\text{V)}} + \underline{\text{System Loss(dB)}} + \underline{\text{LISN Factor(dB)}} \\ \text{Sample:} & 30.14 & = 18.44 + 11.24 + 0.46 \end{array}$$

$$\begin{array}{lcl} \underline{\text{Margin(dB)}} = & \underline{\text{Limit(dB}\mu\text{V)}} - & \underline{\text{Level(dB}\mu\text{V)}} \\ 15.86 & = 46 & - 30.14 \end{array}$$



Company: Brady Corporation
Model Tested: M710
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4.0 D.L.S. ELECTRONIC SYSTEMS, INC. MEASUREMENT UNCERTAINTY

Compliance with the limits in this standard are based on the results of the compliance measurement. Our calculated measurement uncertainty including the measurement instrumentation, associated connections between the various instruments in the measurement chain, and other contributions, are provided in this section of the test report.

	Power Line Conducted	Uncertainty ($\pm$ dB)
Contribution	Probability Distribution	150 kHz - 30 MHz
Combined Standard Uncertainty	Normal	1.05
Expanded Uncertainty	Normal (k=2)	2.10



Company: Brady Corporation
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 Test: Section 15.107 AC Line Conducted Emissions

Registration Number: 90531

TABLE 1 / TEST INSTRUMENTATION

Description	Manufacturer	Model Number	Serial Number	Range	Firmware/Software Version	Cal On	Cal Due Dates
Beldin 9914; N-N; 15 Meter; Line Conducted	Beldin	9914	CBL-043	9 kHz - 30 MHz	N/A	3/30/2021	3/30/2022
Filter, High pass	Solar Electronics	7930-120	090702	120k-30Mhz	N/A	10/4/2021	10/4/2022
Limiter, Transient, RF, w/ CBL-035	Electro-Metrics	EM-7600	705	9kHz - 100MHz	N/A	10/4/2021	10/4/2022
LISN, 20 Amp, 2-Line	Com-Power	LI-220A	192036	9 kHz to 30 MHz	N/A	8/18/2021	8/18/2022
Narda PMM EMI Receiver	Narda	9010F	020WW40102	10 Hz - 50 MHz	Rev 2.02:6/23/2016	4/14/2021	4/14/2022
RG-223/U; BNC-BNC; 1.5 Meter; LISN Hook-Up	Manhattan/CDT	RG223/U	CBL-045	9kHz-30MHz	N/A	3/30/2021	3/30/2022

All primary equipment is calibrated against known reference standards with a verified traceable path to NIST.

TABLE 2 / TEST EQUIPMENT

Description	Manufacturer	Model Number	Firmware/Software Version
EMI Test Software	Narda	PMM Emission Suite	2.4.0:6/23/2016

The test equipment above is verified with calibrated equipment.



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FCC PART 15, SUBPART B & SUBPART C

SECTION 15.107

AC LINE CONDUCTED EMISSIONS

TEST SETUP PHOTOS



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
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Test: Section 15.107 AC Line Conducted Emissions



AC Line Conducted - Front



Company: Brady Corporation
Model Tested: M710
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Test: Section 15.107 AC Line Conducted Emissions



AC Line Conducted - Back (1 of 2)



Company: Brady Corporation
Model Tested: M710
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AC Line Conducted - Back (2 of 2)



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions

FCC PART 15, SUBPART B & SUBPART C

SECTION 15.107

AC LINE CONDUCTED EMISSIONS DATA

WIRELESS UNIT - AC POWERED



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



PMM NARDA REPORT: 12133 Brady M710 120v 60Hz L1_001

Report issuing date : 02-28-2022

Standard : FCC Part 15.107 Class A
Test Type : Voltage Mains Test
Test Site : Screen Room
Temperature : 70 °F
Humidity : 22 %
Test Specs : Line 1; Quasi-Peak
Operator : cbrandt
DLS Project # : 12133
Result : Pass

EUT

Manufacturer : Brady Worldwide
Model : M710 printer
Product : Tabletop printer
Notes : 120 Volts 60 Hz
Comments : Wireless unit
Continuous print and cut

Testing Company

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

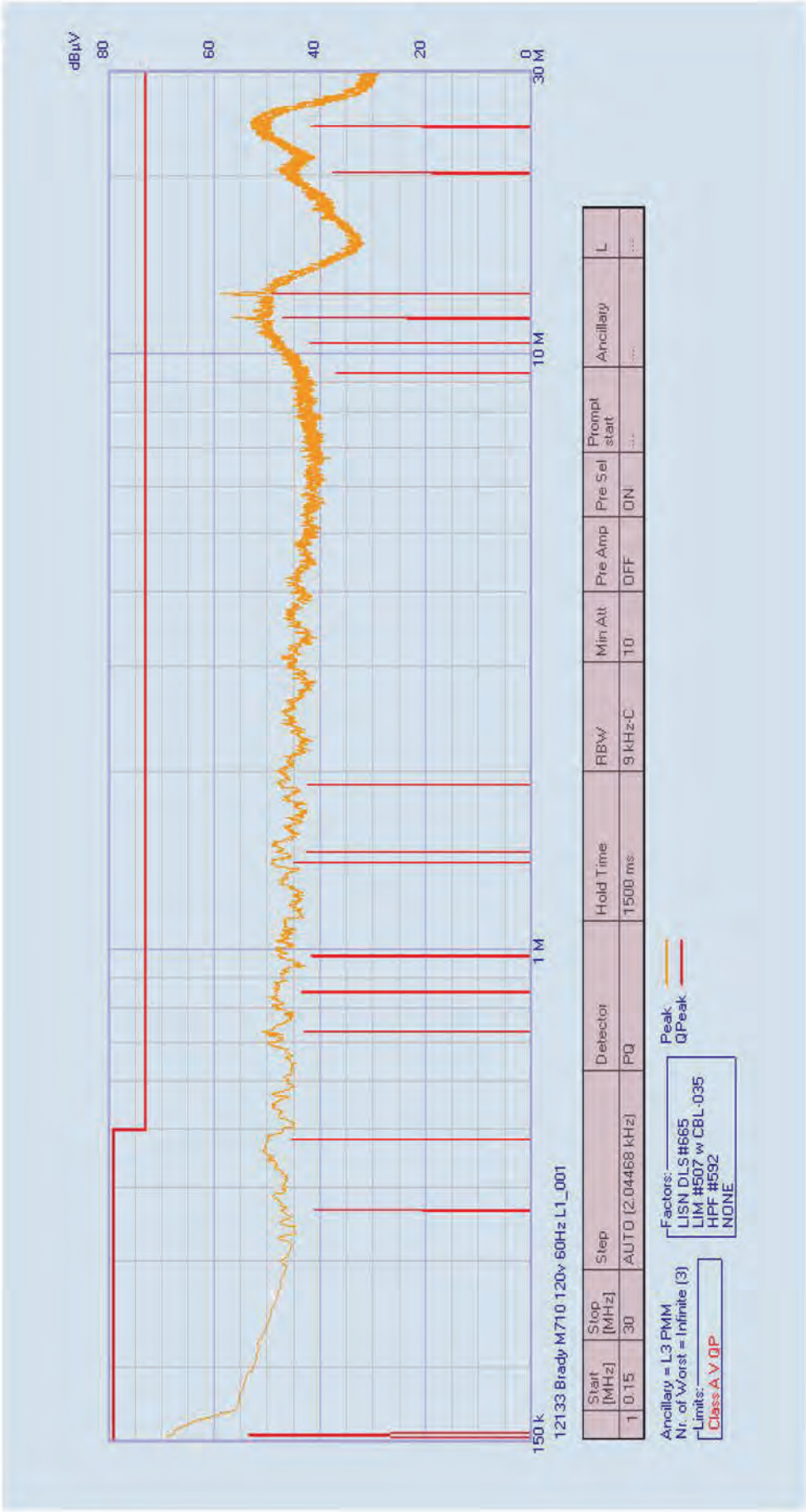
Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 04/14/2021

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions





Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



12133 Brady M710 120v 60Hz L1_001 19/05/2022 11:07:33
Rel. SW 2.40 (January 2021)
Rel. FW 2.02 21/04/21
Margin: 100 dB

Frequency [MHz]	QPeak [dBµV]	Limit Class A V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor LIM #507 [dB]	Factor .. HPF #592 [dB]	Factor NONE [dB]
1 0.15204468	53.09	79.00	-25.91	9.80	9.70	2.20	0.03
2 0.15408936	53.45	79.00	-25.55	9.08	9.70	2.17	0.04
3 0.3646914	41.10	79.00	-37.90	0.03	9.66	1.10	0.05
4 0.48123816	45.24	79.00	-33.76	0.03	9.69	0.88	0.09
5 0.72864444	42.95	73.00	-30.05	0.03	9.66	0.56	0.13
6 0.84928056	43.39	73.00	-29.61	0.03	9.65	0.50	0.15
7 0.97400604	41.58	73.00	-31.42	0.03	9.65	0.46	0.15
8 1.39725548	44.82	73.00	-28.18	0.03	9.65	0.33	0.20
9 1.46063988	42.50	73.00	-30.50	0.03	9.65	0.32	0.21
10 1.89002268	42.23	73.00	-30.77	0.03	9.68	0.28	0.27
11 9.26109408	36.82	73.00	-36.18	0.04	9.74	0.18	0.54
12 10.42247232	41.81	73.00	-31.19	0.04	9.75	0.19	0.59
13 11.43458892	47.09	73.00	-25.91	0.04	9.76	0.20	0.61
14 12.57347568	49.31	73.00	-23.69	0.04	9.76	0.19	0.65
15 20.08154064	37.53	73.00	-35.47	0.05	9.77	0.26	0.78
16 24.01754964	41.71	73.00	-31.29	0.03	9.76	0.30	0.85



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



PMM NARDA REPORT: 12133 Brady M710 120v 60Hz L1_002

Report issuing date : 02-28-2022

Standard : FCC Part 15.107 Class A
Test Type : Voltage Mains Test
Test Site : Screen Room
Temperature : 70 °F
Humidity : 22 %
Test Specs : Line 1; AVERAGE
Operator : cbrandt
DLS Project # : 12133
Result : Pass

EUT

Manufacturer : Brady Worldwide
Model : M710 printer
Product : Tabletop printer
Notes : 120 Volts 60 Hz
Comments : Wireless unit
: Continuous print and cut

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

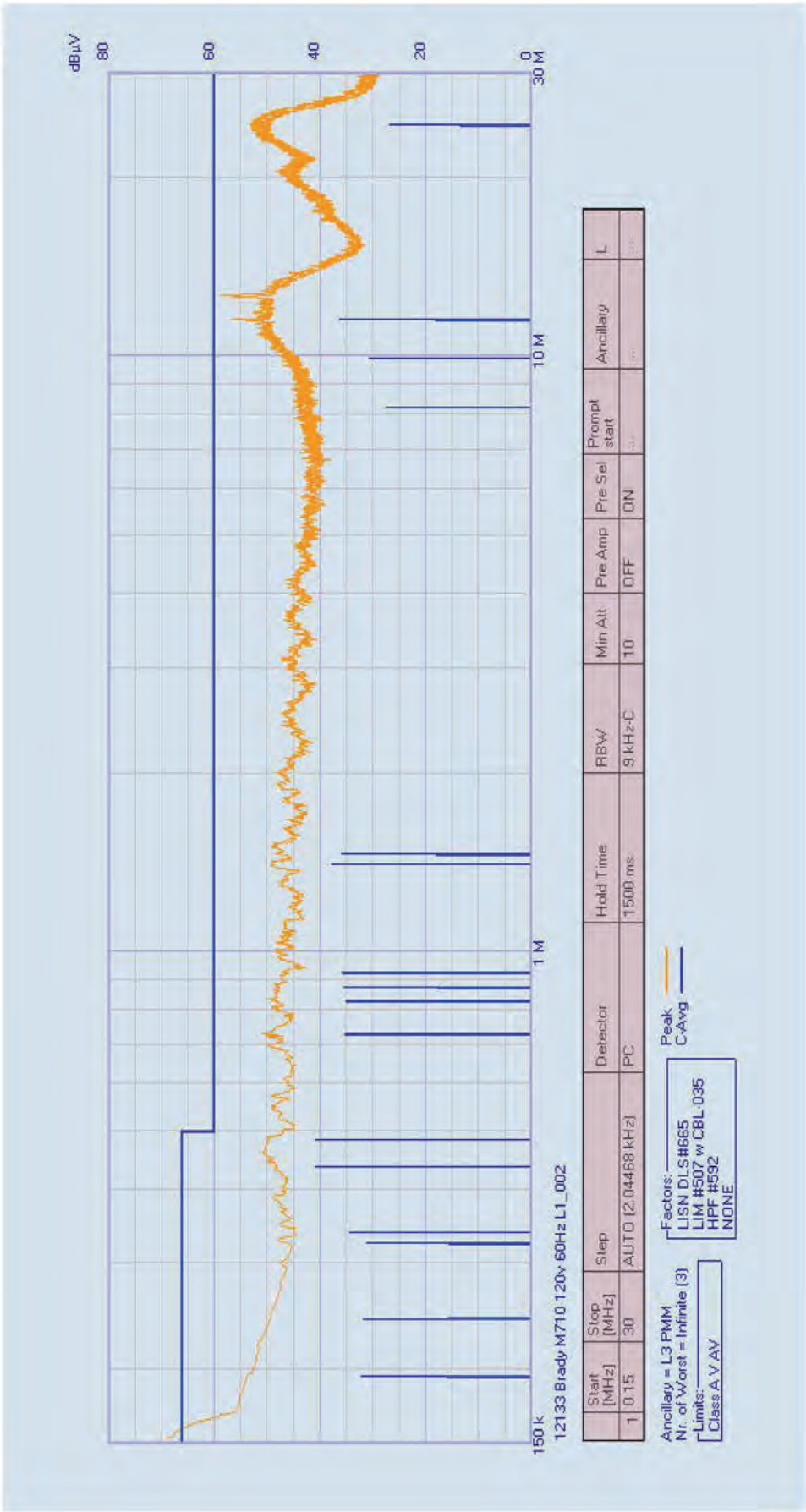
Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 04/14/2021

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Company: Brady Corporation
Model Tested: M710
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Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions





Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



12133 Brady M710 120v 60Hz L1_002 19/05/2022 11:16:51
Rel. SW 2.40 (January 2021)
Rel. FW 2.02 21/04/21
Margin: 100 dB

Frequency [MHz]	C-Avg [dBµV]	Limit Class A V... [dBµV]	Delta [dB]	Factor LISN DLS#... [dB]	Factor LIM #507 ... [dB]	Factor HPF #592 [dB]	Factor NONE [dB]
1 0.15293828	32.23	66.00	-33.77	0.05	9.66	1.80	0.08
2 0.2420106	31.67	66.00	-34.33	0.04	9.66	1.52	0.06
3 0.3237978	31.06	66.00	-34.94	0.04	9.64	1.23	0.08
4 0.33811056	34.26	66.00	-31.74	0.03	9.65	1.18	0.06
5 0.43421052	40.84	66.00	-25.16	0.03	9.70	0.96	0.09
6 0.48328284	40.73	66.00	-25.27	0.03	9.69	0.88	0.09
7 0.72455508	35.14	60.00	-24.86	0.03	9.66	0.56	0.13
8 0.82269972	34.90	60.00	-25.10	0.03	9.65	0.51	0.15
9 0.86972736	35.47	60.00	-24.53	0.03	9.65	0.49	0.15
10 0.91879968	35.84	60.00	-24.16	0.03	9.65	0.48	0.15
11 1.3972548	37.74	60.00	-22.26	0.03	9.65	0.33	0.20
12 1.45041648	35.72	60.00	-24.28	0.03	9.65	0.32	0.21
13 8.15696688	27.31	60.00	-32.69	0.04	9.73	0.18	0.54
14 9.87654276	30.64	60.00	-29.36	0.04	9.75	0.19	0.57
15 11.44276764	36.29	60.00	-23.71	0.04	9.76	0.20	0.61
16 24.23019636	26.64	60.00	-33.36	0.03	9.76	0.30	0.85



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



PMM NARDA REPORT: 12133 Brady M710 120v 60Hz L2_001

Report issuing date : 02-28-2022

Standard : FCC Part 15.107 Class A
Test Type : Voltage Mains Test
Test Site : Screen Room
Temperature : 70 °F
Humidity : 22 %
Test Specs : Line 2; Quasi-Peak
Operator : cbrandt
DLS Project # : 12133
Result : Pass

EUT

Manufacturer : Brady Worldwide
Model : M710 printer
Product : Tabletop printer
Notes : 120 Volts 60 Hz
Comments : Wireless unit
: Continuous print and cut

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

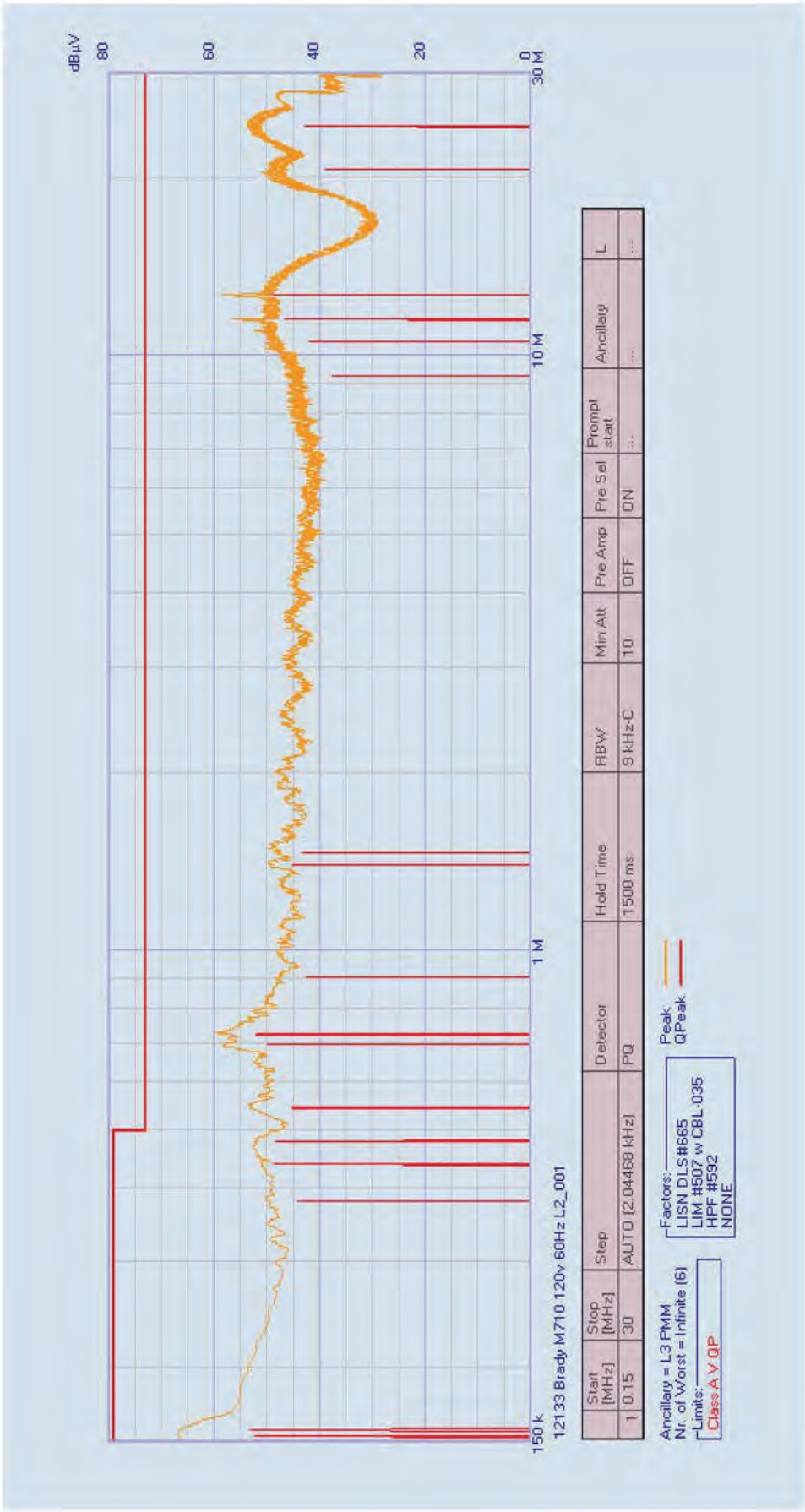
Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 04/14/2021

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



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Model Tested: M710
Report Number: 27040
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Test: Section 15.107 AC Line Conducted Emissions





Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



12133 Brady M710 120v 60Hz L2_001 19/05/2022 11:20:18
Rel. SW 2.40 (January 2021)
Rel. FW 2.02 21/04/21
Margin: 100 dB

	Frequency [MHz]	QPeak [dBµV]	Limit Class A V... [dBµV]	Delta [dB]	Factor LISN DLS#... [dB]	Factor LIM #507 [dB]	Factor .. HPF #592 [dB]	Factor NONE [dB]
1	0.15204468	52.31	79.00	-26.69	0.08	9.70	2.20	0.03
2	0.15613404	53.03	79.00	-25.97	0.08	9.69	2.15	0.04
3	0.37900416	43.99	79.00	-35.01	0.03	9.67	1.06	0.06
4	0.43829988	48.49	79.00	-30.51	0.03	9.70	0.95	0.09
5	0.47919348	48.43	79.00	-30.57	0.03	9.69	0.88	0.09
6	0.54462324	45.03	73.00	-27.97	0.03	9.69	0.78	0.10
7	0.69592956	43.81	73.00	-23.19	0.03	9.67	0.58	0.12
8	0.72046572	52.08	73.00	-20.92	0.03	9.66	0.56	0.13
9	0.90244224	42.57	73.00	-30.43	0.03	9.65	0.48	0.15
10	1.39316544	45.05	73.00	-27.95	0.03	9.65	0.33	0.20
11	1.45450584	43.06	73.00	-29.94	0.03	9.65	0.32	0.21
12	9.22633452	37.47	73.00	-35.53	0.04	9.74	0.18	0.53
13	10.4858574	41.79	73.00	-31.21	0.04	9.75	0.19	0.59
14	11.446857	46.61	73.00	-26.39	0.04	9.76	0.20	0.61
15	12.57756504	48.95	73.00	-24.05	0.04	9.76	0.19	0.65
16	20.51296912	38.77	73.00	-34.23	0.05	9.77	0.26	0.78
17	24.1340964	42.79	73.00	-30.21	0.03	9.76	0.30	0.85



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



PMM NARDA REPORT: 12133 Brady M710 120v 60Hz L2_002

Report issuing date : 02-28-2022

Standard : FCC Part 15.107 Class A
Test Type : Voltage Mains Test
Test Site : Screen Room
Temperature : 70 °F
Humidity : 22 %
Test Specs : Line 2; AVERAGE
Operator : cbrandt
DLS Project # : 12133
Result : Pass

EUT

Manufacturer : Brady Worldwide
Model : M710 printer
Product : Tabletop printer
Notes : 120 Volts 60 Hz
Comments : Wireless unit
: Continuous print and cut

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

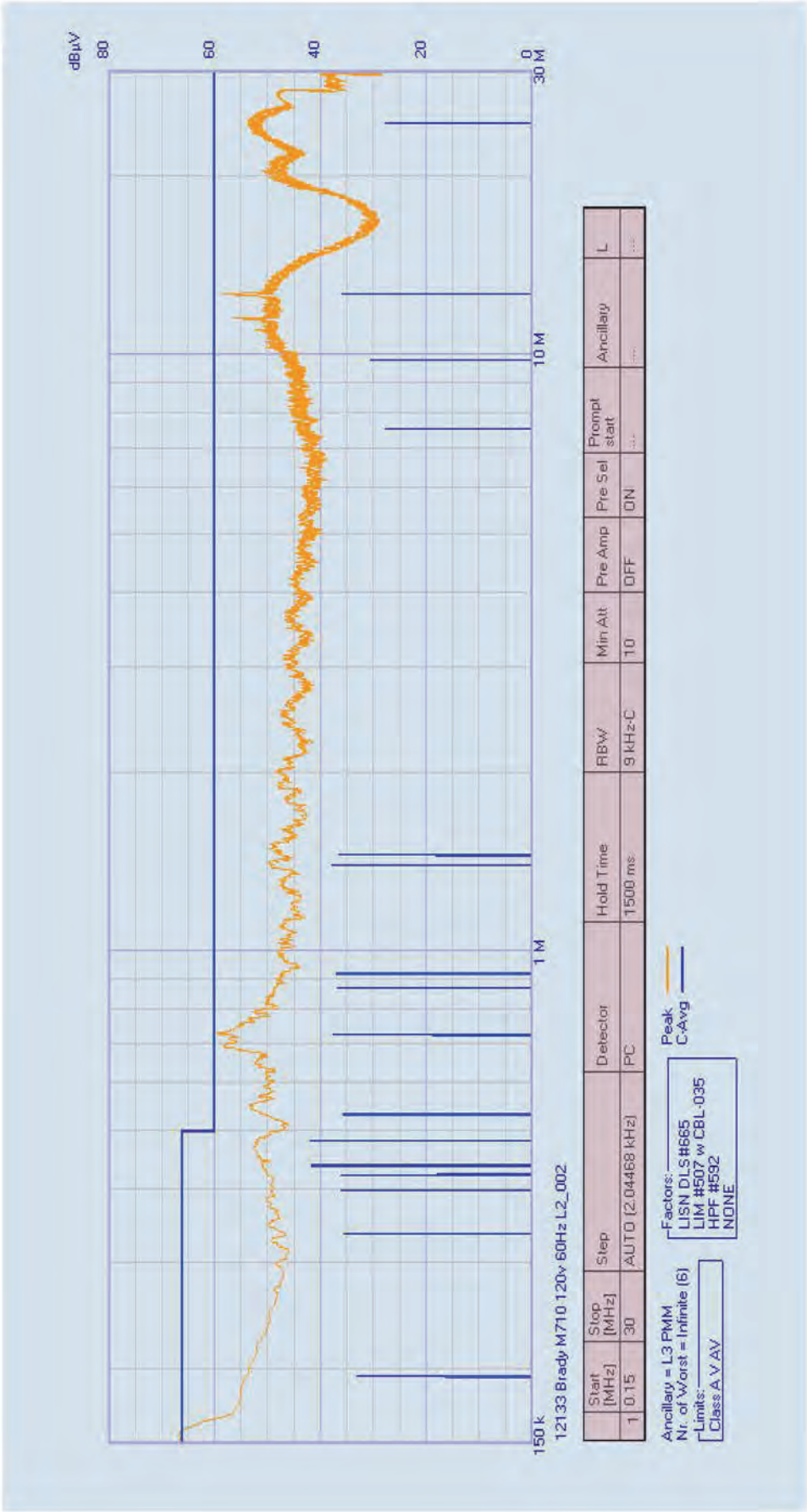
Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 04/14/2021

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions





Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



12133 Brady M710 120V 60Hz L2_002 19/05/2022 11:25:40
Rel. SW 2.40 (January 2021)
Rel. FW 2.02 21/04/21
Margin: 100 dB

Frequency [MHz]	C-Avg [dBµV]	Limit Class A V... [dBµV]	Delta [dB]	Factor LISN DLS#... [dB]	Factor LIM #507 ... [dB]	Factor HPF #592 [dB]	Factor NONE [dB]
1 0.15293828	32.90	66.00	-33.10	0.05	9.66	1.80	0.08
2 0.33606588	35.32	66.00	-30.68	0.04	9.64	1.19	0.07
3 0.39740628	36.03	66.00	-29.97	0.03	9.68	1.01	0.07
4 0.42194244	35.94	66.00	-30.06	0.03	9.69	0.98	0.08
5 0.4362552	41.58	66.00	-24.42	0.03	9.70	0.96	0.09
6 0.48123816	41.78	66.00	-24.22	0.03	9.69	0.88	0.09
7 0.53031048	35.55	60.00	-24.45	0.03	9.69	0.80	0.10
8 0.7225104	37.51	60.00	-22.49	0.03	9.66	0.56	0.13
9 0.865638	36.63	60.00	-23.37	0.03	9.65	0.49	0.15
10 0.91471032	37.00	60.00	-23.00	0.03	9.65	0.48	0.15
11 1.39316544	37.82	60.00	-22.18	0.03	9.65	0.33	0.20
12 1.44428244	36.39	60.00	-23.61	0.03	9.65	0.32	0.21
13 7.50266928	27.52	60.00	-32.48	0.04	9.71	0.16	0.52
14 9.74363856	30.52	60.00	-29.48	0.04	9.75	0.19	0.56
15 12.57960972	35.86	60.00	-24.14	0.04	9.76	0.19	0.65
16 24.35287716	27.66	60.00	-32.34	0.03	9.76	0.30	0.85
17 29.96552376	22.08	60.00	-37.92	0.02	9.92	0.40	0.97



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



PMM NARDA REPORT: 12133 Brady M710 240v 60Hz L1_001

Report issuing date : 02-28-2022

Standard : FCC Part 15.107 Class A
Test Type : Voltage Mains Test
Test Site : Screen Room
Temperature : 70 °F
Humidity : 22 %
Test Specs : Line 1; Quasi-Peak
Operator : cbrandt
DLS Project # : 12133
Result : Pass

EUT

Manufacturer : Brady Worldwide
Model : M710 printer
Product : Tabletop printer
Notes : 240 Volts 60 Hz
Comments : Wireless unit
: Continuous print and cut

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

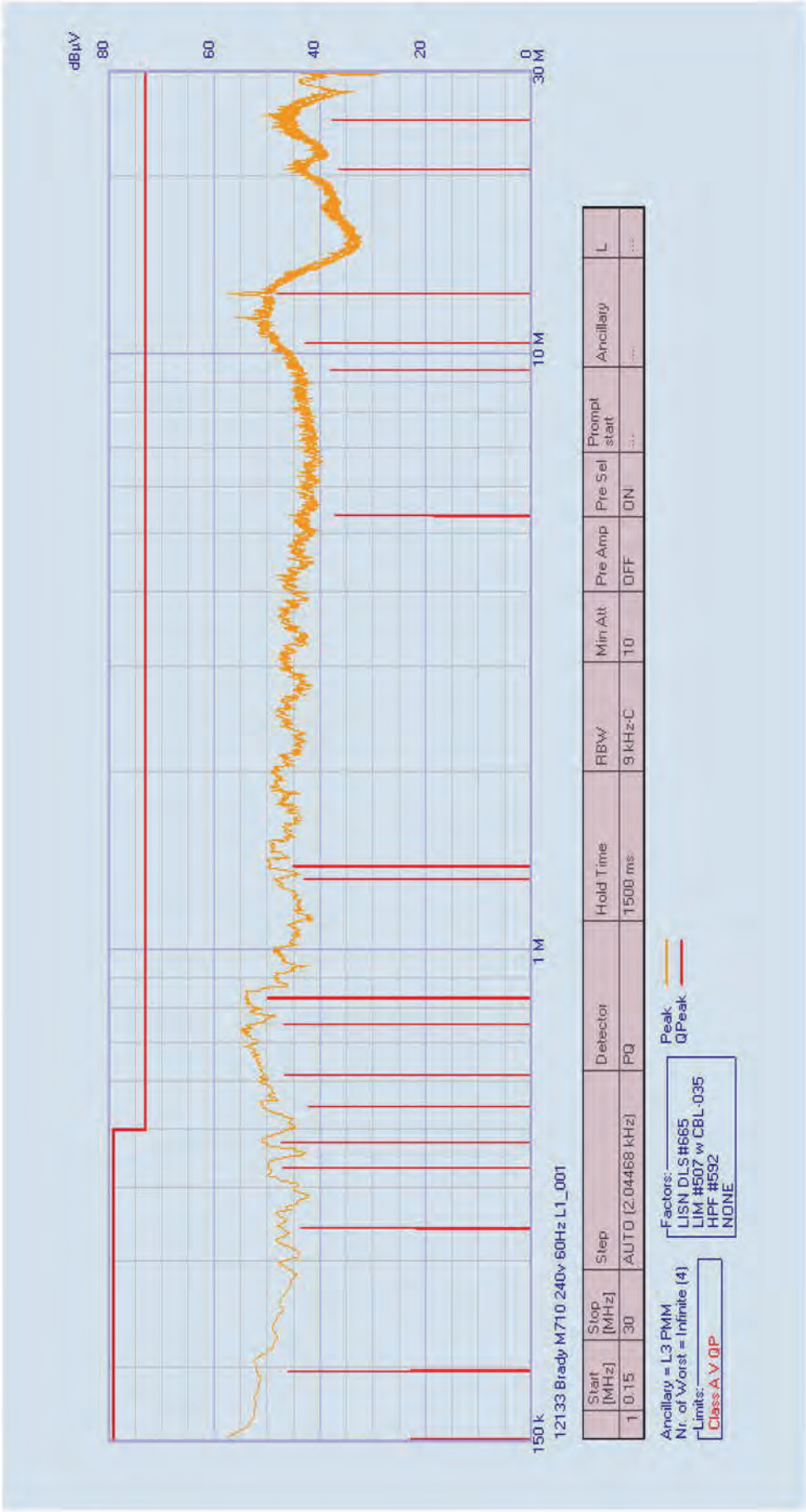
Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 04/14/2021

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions





Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



12133 Brady M710 240v 60Hz LI_001 19/05/2022 11:29:45
Rel. SW 2.40 (January 2021)
Rel. FW 2.02 21/04/21
Margin: 100 dB

Frequency [MHz]	QPeak [dBµV]	Limit Class A V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor LIM #507 .. [dB]	Factor HPF #592 [dB]	Factor NONE [dB]
1 0.15	46.13	79.00	-32.87	0.08	9.71	2.23	0.03
2 0.19702764	45.96	79.00	-33.04	0.05	9.66	1.76	0.08
3 0.34015524	43.65	79.00	-35.35	0.03	9.65	1.17	0.06
4 0.43012116	47.10	79.00	-31.90	0.03	9.69	0.97	0.08
5 0.47510412	47.29	79.00	-31.71	0.03	9.69	0.89	0.09
6 0.54666792	42.18	73.00	-30.82	0.03	9.69	0.77	0.10
7 0.61618704	46.57	73.00	-26.43	0.03	9.68	0.67	0.11
8 0.74909124	46.84	73.00	-26.16	0.03	9.66	0.55	0.14
9 0.83087844	49.79	73.00	-23.21	0.03	9.65	0.51	0.15
10 1.31342292	42.86	73.00	-30.14	0.03	9.66	0.35	0.19
11 1.38089736	45.05	73.00	-27.95	0.03	9.65	0.33	0.20
12 5.33121912	37.01	73.00	-35.99	0.04	9.69	0.16	0.44
13 9.35106	38.08	73.00	-34.92	0.04	9.74	0.18	0.54
14 10.38975744	42.68	73.00	-30.32	0.04	9.75	0.19	0.59
15 12.58369908	48.12	73.00	-24.88	0.04	9.76	0.19	0.65
16 20.35552776	36.38	73.00	-36.62	0.05	9.77	0.26	0.78
17 24.67389192	37.73	73.00	-35.27	0.03	9.77	0.31	0.86



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



PMM NARDA REPORT: 12133 Brady M710 240v 60Hz L1_002

Report issuing date : 02-28-2022

Standard : FCC Part 15.107 Class A
Test Type : Voltage Mains Test
Test Site : Screen Room
Temperature : 70 °F
Humidity : 22 %
Test Specs : Line 1; AVERAGE
Operator : cbrandt
DLS Project # : 12133
Result : Pass

EUT

Manufacturer : Brady Worldwide
Model : M710 printer
Product : Tabletop printer
Notes : 240 Volts 60 Hz
Comments : Wireless unit
: Continuous print and cut

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

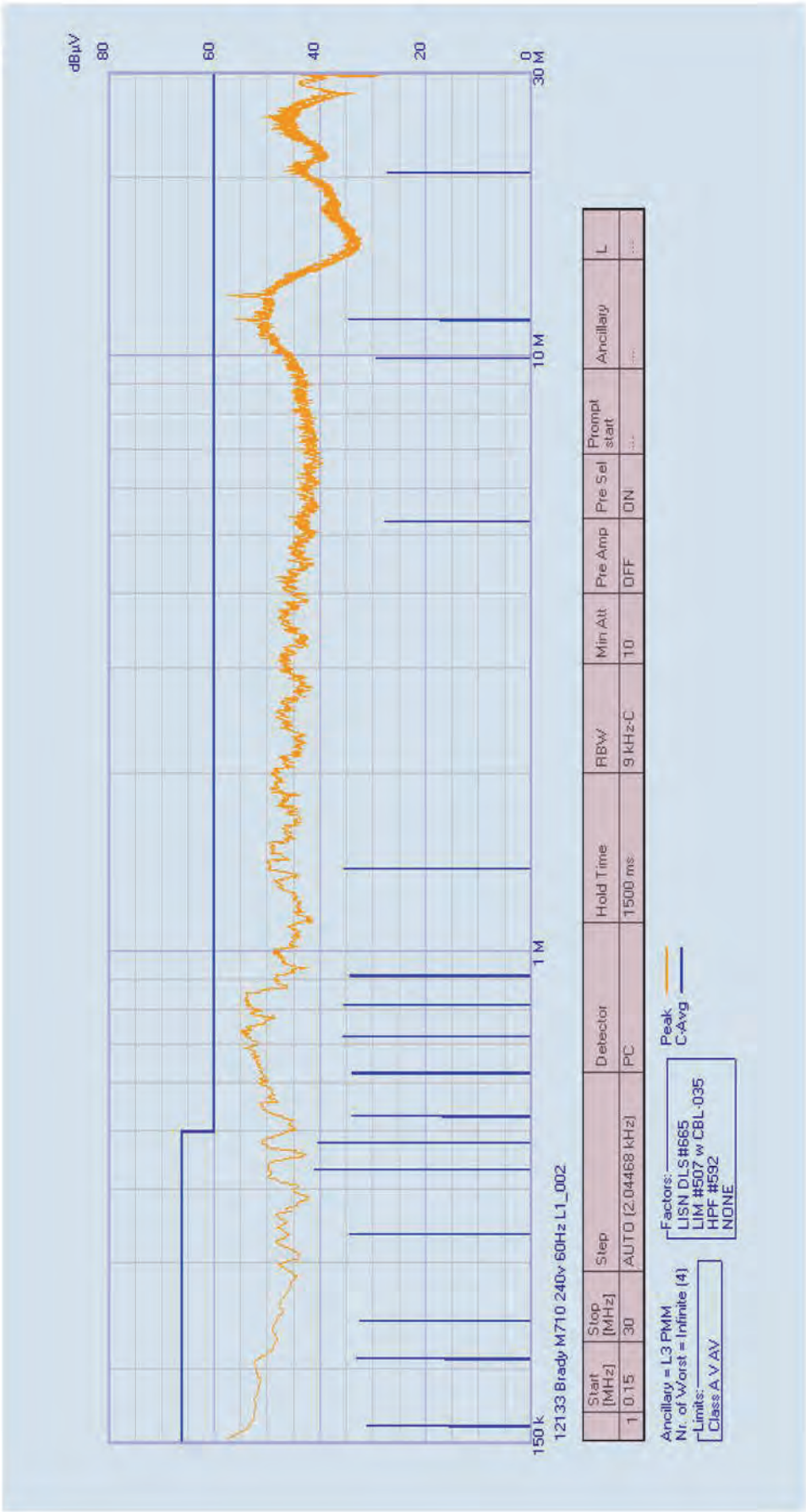
Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 04/14/2021

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions





Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



12133 Brady M710 240v 60Hz L1_002 19/05/2022 11:31:58
Rel. SW 2.40 (January 2021)
Rel. FW 2.02 21/04/21
Margin: 100 dB

Frequency [MHz]	C-Avg [dBµV]	Limit Class A V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. LIM #507 [dB]	Factor .. HPF #592 [dB]	Factor NONE [dB]
1 0.1602234	30.96	66.00	-35.04	0.07	9.68	0.05
2 0.20725104	33.02	66.00	-32.98	0.05	9.65	0.08
3 0.23996592	32.36	66.00	-33.64	0.04	9.66	0.05
4 0.33606588	34.40	66.00	-31.60	0.04	9.64	0.07
5 0.43012116	40.99	66.00	-25.01	0.03	9.69	0.08
6 0.47919348	40.30	66.00	-25.70	0.03	9.69	0.09
7 0.5282658	33.92	60.00	-26.08	0.03	9.69	0.10
8 0.62436576	33.93	60.00	-26.07	0.03	9.68	0.11
9 0.71842104	35.55	60.00	-24.45	0.03	9.67	0.13
10 0.81247632	35.48	60.00	-24.52	0.03	9.65	0.15
11 0.90857628	34.40	60.00	-25.60	0.03	9.65	0.15
12 1.37885268	35.44	60.00	-24.56	0.03	9.65	0.20
13 5.25556596	27.56	60.00	-32.44	0.04	9.69	0.43
14 9.84382788	29.26	60.00	-30.74	0.04	9.75	0.56
15 11.44276764	34.57	60.00	-25.43	0.04	9.76	0.61
16 20.28600864	27.14	60.00	-32.86	0.05	9.77	0.78



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



PMM NARDA REPORT: 12133 Brady M710 240v 60Hz L2_001

Report issuing date : 02-28-2022

Standard : FCC Part 15.107 Class A
Test Type : Voltage Mains Test
Test Site : Screen Room
Temperature : 70 °F
Humidity : 22 %
Test Specs : Line 2; Quasi-Peak
Operator : cbrandt
DLS Project # : 12133
Result : Pass

EUT

Manufacturer : Brady Worldwide
Model : M710 printer
Product : Tabletop printer
Notes : 240 Volts 60 Hz
Comments : Wireless unit
: Continuous print and cut

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

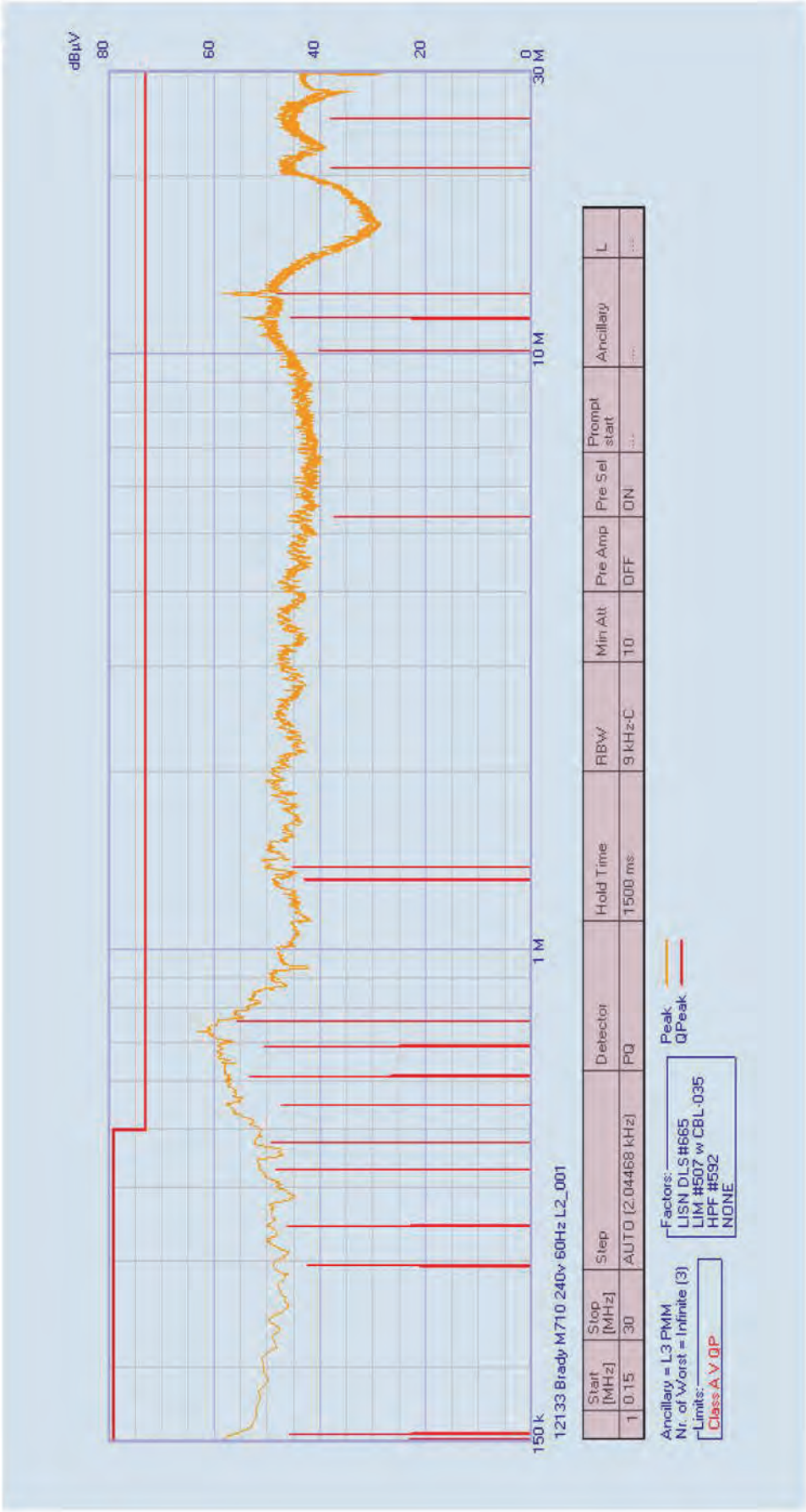
Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 04/14/2021

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions





Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



12133 Brady M710 240v 60Hz L2_001 19/05/2022 11:34:40
Rel. SW 2.40 (January 2021)
Rel. FW 2.02 21/04/21
Margin: 100 dB

Frequency [MHz]	QPeak [dBµV]	Limit Class A V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor LIM #507 [dB]	Factor .. HPF #592 [dB]	Factor NONE [dB]
1 0.15	46.62	79.00	-32.38	0.08	9.71	2.23	0.03
2 0.15408936	45.73	79.00	-33.27	0.08	9.70	2.17	0.04
3 0.29517228	42.32	79.00	-36.68	0.04	9.64	1.30	0.09
4 0.3442446	46.18	79.00	-32.82	0.03	9.65	1.16	0.06
5 0.42807648	48.41	79.00	-30.59	0.03	9.69	0.97	0.08
6 0.47510412	49.23	79.00	-29.77	0.03	9.69	0.89	0.09
7 0.5487126	47.23	73.00	-25.77	0.03	9.69	0.77	0.10
8 0.61414236	53.40	73.00	-19.60	0.03	9.68	0.68	0.11
9 0.68979552	50.50	73.00	-22.50	0.03	9.67	0.58	0.12
10 0.75726996	55.71	73.00	-17.29	0.03	9.66	0.54	0.14
11 1.30933356	42.98	73.00	-30.02	0.03	9.66	0.35	0.19
12 1.37885268	45.03	73.00	-27.97	0.03	9.65	0.33	0.20
13 5.31486168	37.33	73.00	-35.67	0.04	9.69	0.16	0.44
14 10.1464052	40.12	73.00	-32.88	0.04	9.75	0.19	0.58
15 11.44481232	45.44	73.00	-27.56	0.04	9.76	0.20	0.61
16 12.5816544	48.20	73.00	-24.80	0.04	9.76	0.19	0.65
17 20.49865536	38.07	73.00	-34.93	0.05	9.77	0.26	0.78
18 24.75567912	37.97	73.00	-35.03	0.03	9.77	0.31	0.86



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



PMM NARDA REPORT: 12133 Brady M710 240v 60Hz L2_002

Report issuing date : 02-28-2022

Standard : FCC Part 15.107 Class A
Test Type : Voltage Mains Test
Test Site : Screen Room
Temperature : 70 °F
Humidity : 22 %
Test Specs : Line 2; AVERAGE
Operator : cbrandt
DLS Project # : 12133
Result : Pass

EUT

Manufacturer : Brady Worldwide
Model : M710 printer
Product : Tabletop printer
Notes : 240 Volts 60 Hz
Comments : Wireless unit
: Continuous print and cut

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

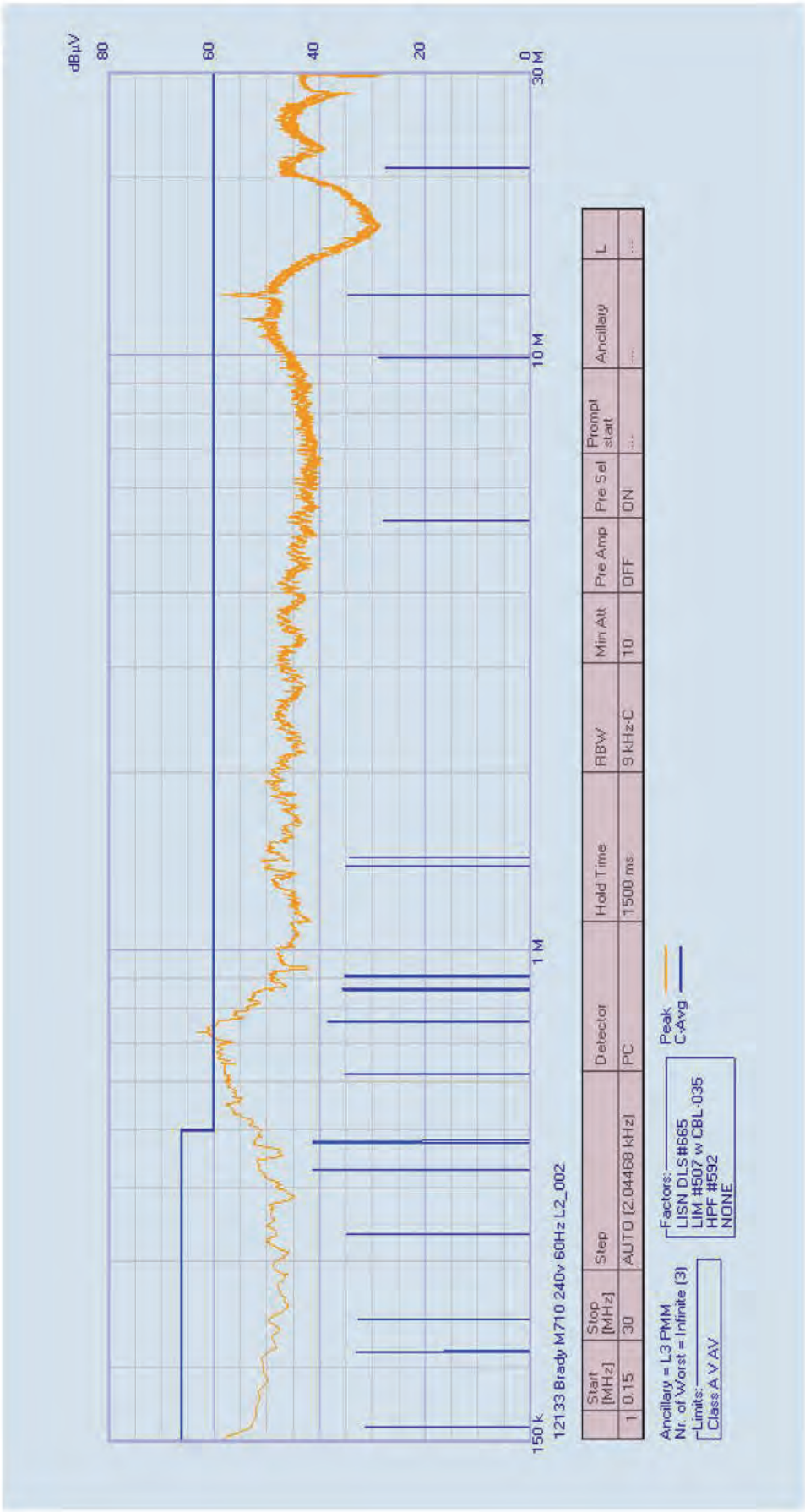
Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 04/14/2021

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions





Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions

12133 Brady M710 240v 60Hz L2_002 19/05/2022 11:36:41
Rel. SW 2.40 (January 2021)
Rel. FW 2.02 21/04/21
Margin: 100 dB

Frequency [MHz]	C-Avg [dBµV]	Limit Class A V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor LIM #507 .. [dB]	Factor HPF #592 [dB]	Factor NONE [dB]
1 0.15817872	31.38	66.00	-34.62	0.07	9.69	2.12	0.04
2 0.2113404	32.90	66.00	-33.10	0.05	9.65	1.65	0.07
3 0.23996592	32.64	66.00	-33.36	0.04	9.66	1.53	0.05
4 0.3340212	34.67	66.00	-31.33	0.04	9.64	1.19	0.07
5 0.42807648	41.12	66.00	-24.88	0.03	9.69	0.97	0.08
6 0.4771488	41.15	66.00	-24.85	0.03	9.69	0.89	0.09
7 0.6202764	35.17	60.00	-24.83	0.03	9.68	0.67	0.11
8 0.75726996	38.50	60.00	-21.50	0.03	9.66	0.54	0.14
9 0.85745928	35.63	60.00	-24.37	0.03	9.65	0.50	0.15
10 0.9048692	35.19	60.00	-24.81	0.03	9.65	0.48	0.15
11 1.38294204	34.85	60.00	-25.15	0.03	9.65	0.33	0.20
12 1.42996968	34.41	60.00	-25.59	0.03	9.65	0.32	0.21
13 5.2412532	27.83	60.00	-32.17	0.04	9.69	0.16	0.43
14 9.87040872	28.71	60.00	-31.29	0.04	9.75	0.19	0.57
15 12.5816544	34.48	60.00	-25.52	0.04	9.76	0.19	0.65
16 20.5968	27.46	60.00	-32.54	0.05	9.76	0.26	0.78



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions

FCC PART 15, SUBPART B & SUBPART C

SECTION 15.107

AC LINE CONDUCTED EMISSIONS DATA

WIRELESS UNIT - BATTERY POWERED



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions

PMM NARDA REPORT: 12133 Brady M710 Battery prw - AC OFF L1_001



Report issuing date : 02-28-2022

Standard : FCC Part 15.107 Class A
Test Type : Voltage Mains Test
Test Site : Screen Room
Temperature : 70 °F
Humidity : 22 %
Test Specs : Line 1; Quasi-Peak
Operator : cbrandt
DLS Project # : 12133
Result : Pass

EUT

Manufacturer : Brady Worldwide
Model : M710 printer
Product : Tabletop printer
Notes : Running off Battery power; AC OFF
Comments : Wireless unit
: Continuous print and cut

Testing Company

Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

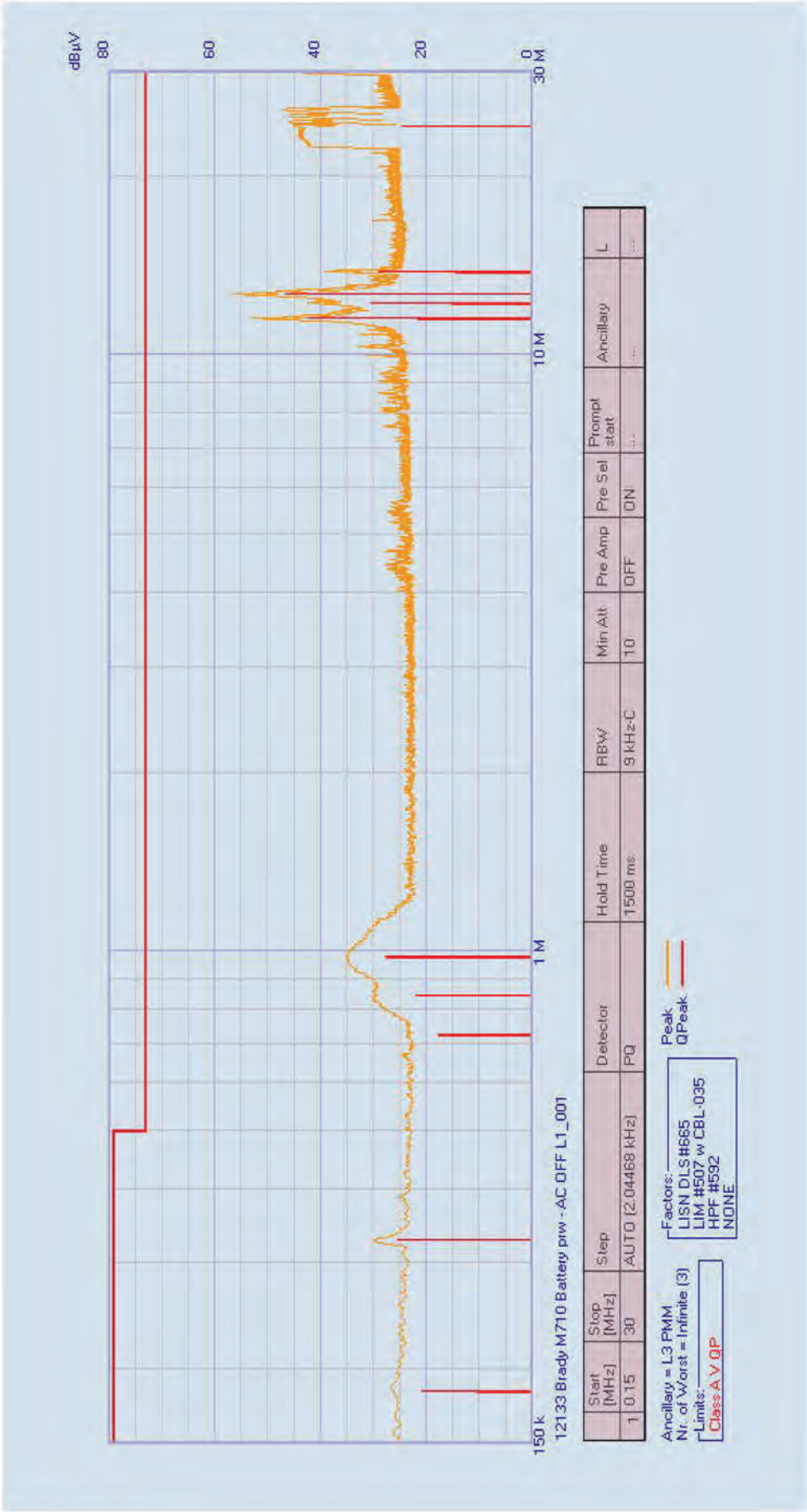
Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 04/14/2021

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions





Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



12133 Brady M710 Battery pwr - AC OFF L1_001 19/05/2022 12:07:42
Rel. SW 2.40 (January 2021)
Rel. FW 2.02 21/04/21
Margin: 100 dB

Frequency [MHz]	QPeak [dBµV]	Limit Class A V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor LIM #507 [dB]	Factor .. HPF #592 [dB]	Factor NONE [dB]
1 0.15	19.54	79.00	-59.46	0.08	9.71	2.23	0.03
2 0.18271488	20.92	79.00	-58.08	0.06	9.67	1.89	0.08
3 0.32788716	25.36	79.00	-53.64	0.04	9.64	1.21	0.07
4 0.72046572	17.68	73.00	-55.32	0.03	9.66	0.56	0.13
5 0.84314652	21.89	73.00	-51.11	0.03	9.65	0.50	0.15
6 0.97400604	27.59	73.00	-45.41	0.03	9.65	0.46	0.15
7 11.43254424	43.47	73.00	-29.53	0.04	9.76	0.20	0.61
8 12.12978012	30.38	73.00	-42.62	0.04	9.76	0.19	0.63
9 12.57552036	46.62	73.00	-26.38	0.04	9.76	0.19	0.65
10 13.72258584	28.91	73.00	-44.09	0.04	9.75	0.20	0.65
11 23.9602986	24.53	73.00	-48.47	0.03	9.76	0.30	0.85
12 25.9307642	26.75	73.00	-46.25	0.02	9.92	0.40	0.97



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions

PMM NARDA REPORT: 12133 Brady M710 Battery prw - AC OFF L1_002



Report issuing date : 02-28-2022

Standard : FCC Part 15.107 Class A
Test Type : Voltage Mains Test
Test Site : Screen Room
Temperature : 70 °F
Humidity : 22 %
Test Specs : Line 1; AVERAGE
Operator : cbrandt
DLS Project # : 12133
Result : Pass

EUT

Manufacturer : Brady Worldwide
Model : M710 printer
Product : Tabletop printer
Notes : Running off battery power; AC OFF
Comments : Wireless unit
: Continuous print and cut

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

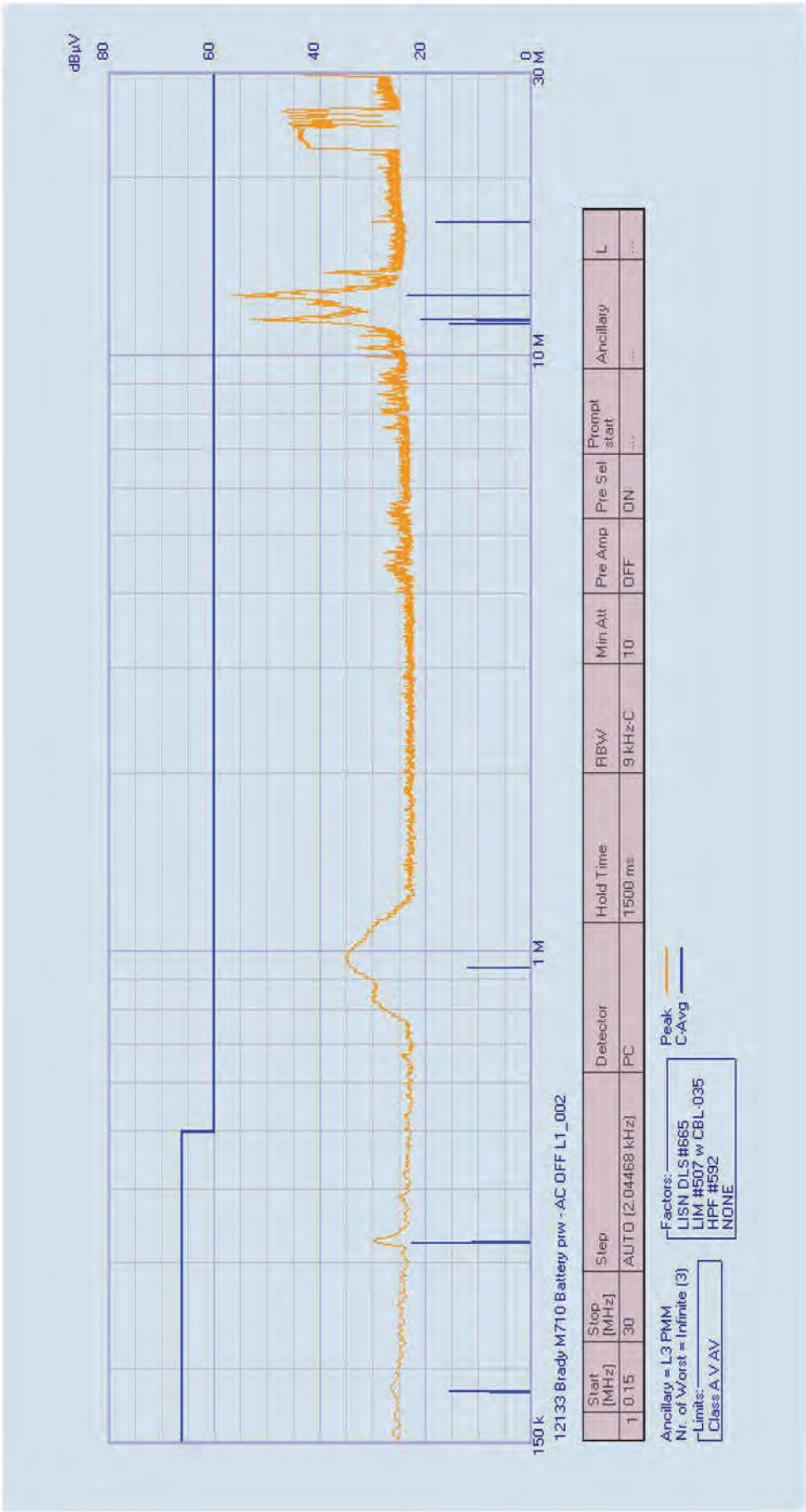
Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020W40102
Last Calibration : 04/14/2021

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions





Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



12133 Brady M710 Battery pwr - AC OFF L1_002 19/05/2022 12:10:41
Rel. SW 2.40 (January 2021)
Rel. FW 2.02 21/04/21
Margin: 100 dB

Frequency [MHz]	C-Avg [dBµV]	Limit Class A V... [dBµV]	Delta [dB]	Factor LISN DLS#... [dB]	Factor LIM #507 ... [dB]	Factor HPF #592 [dB]	Factor NONE [dB]
1 0.15	13.61	66.00	-52.39	0.08	9.71	2.23	0.03
2 0.18271488	15.46	66.00	-50.54	0.06	9.67	1.89	0.08
3 0.32584248	22.69	66.00	-43.31	0.04	9.64	1.22	0.07
4 0.94129116	12.11	60.00	-47.89	0.03	9.65	0.47	0.15
5 11.25874644	15.57	60.00	-44.43	0.04	9.76	0.20	0.61
6 11.4366336	21.00	60.00	-39.00	0.04	9.76	0.20	0.61
7 12.57552036	23.43	60.00	-36.57	0.04	9.76	0.19	0.65
8 16.74871224	19.14	60.00	-41.86	0.04	9.76	0.23	0.74
9 29.92871952	19.14	60.00	-40.86	0.02	9.92	0.40	0.97



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions

PMM NARDA REPORT: 12133 Brady M710 Battery prw - AC OFF L2_001



Report issuing date : 02-28-2022

Standard : FCC Part 15.107 Class A
Test Type : Voltage Mains Test
Test Site : Screen Room
Temperature : 70 °F
Humidity : 22 %
Test Specs : Line 2; Quasi-Peak
Operator : cbrandt
DLS Project # : 12133
Result : Pass

EUT

Manufacturer : Brady Worldwide
Model : M710 printer
Product : Tabletop printer
Notes : Running off Battery power; AC OFF
Comments : Wireless unit
: Continuous print and cut

Testing Company

Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

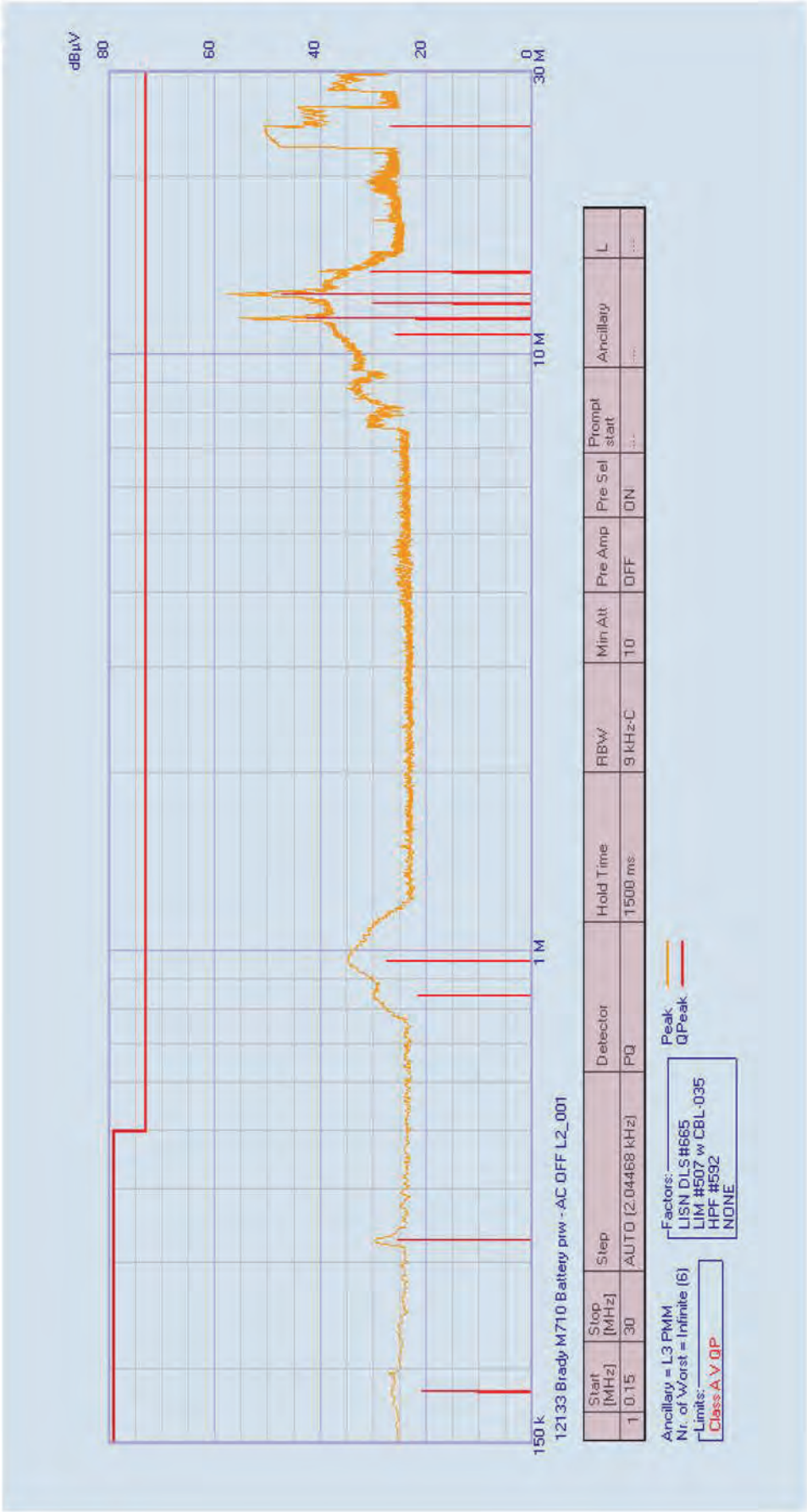
Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 04/14/2021

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions





Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



12133 Brady M710 Battery pwr - AC OFF L2_001 19/05/2022 12:12:59

Rel. SW 2.40 (January 2021)

Rel. FW 2.02 21/04/21

Margin: 100 dB

Frequency [MHz]	QPeak [dBµV]	Limit Class A V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor LIM #507 .. [dB]	Factor HPF #592 [dB]	Factor NONE [dB]
1 0.15	19.72	79.00	-59.28	0.08	9.71	2.23	0.03
2 0.18271488	20.88	79.00	-58.12	0.06	9.67	1.89	0.08
3 0.32788716	25.38	79.00	-53.62	0.04	9.64	1.21	0.07
4 0.84314652	21.54	73.00	-51.46	0.03	9.65	0.50	0.15
5 0.96173796	27.35	73.00	-45.65	0.03	9.65	0.46	0.15
6 10.80482748	25.90	73.00	-47.10	0.04	9.76	0.20	0.60
7 11.43254424	44.16	73.00	-28.84	0.04	9.76	0.20	0.61
8 12.1216014	29.99	73.00	-43.01	0.04	9.76	0.19	0.63
9 12.57960972	47.28	73.00	-25.72	0.04	9.76	0.19	0.65
10 13.72258584	30.52	73.00	-42.48	0.04	9.75	0.20	0.65
11 23.96234328	26.73	73.00	-46.27	0.03	9.76	0.30	0.85



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions

PMM NARDA REPORT: 12133 Brady M710 Battery prw - AC OFF L2_002



Report issuing date : 02-28-2022

Standard : FCC Part 15.107 Class A
Test Type : Voltage Mains Test
Test Site : Screen Room
Temperature : 70 °F
Humidity : 22 %
Test Specs : Line 2; AVERAGE
Operator : cbrandt
DLS Project # : 12133
Result : Pass

EUT

Manufacturer : Brady Worldwide
Model : M710 Printer
Product : Tabletop printer
Notes : Running off battery power; AC OFF
Comments : Wireless unit
Continuous print and cut

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

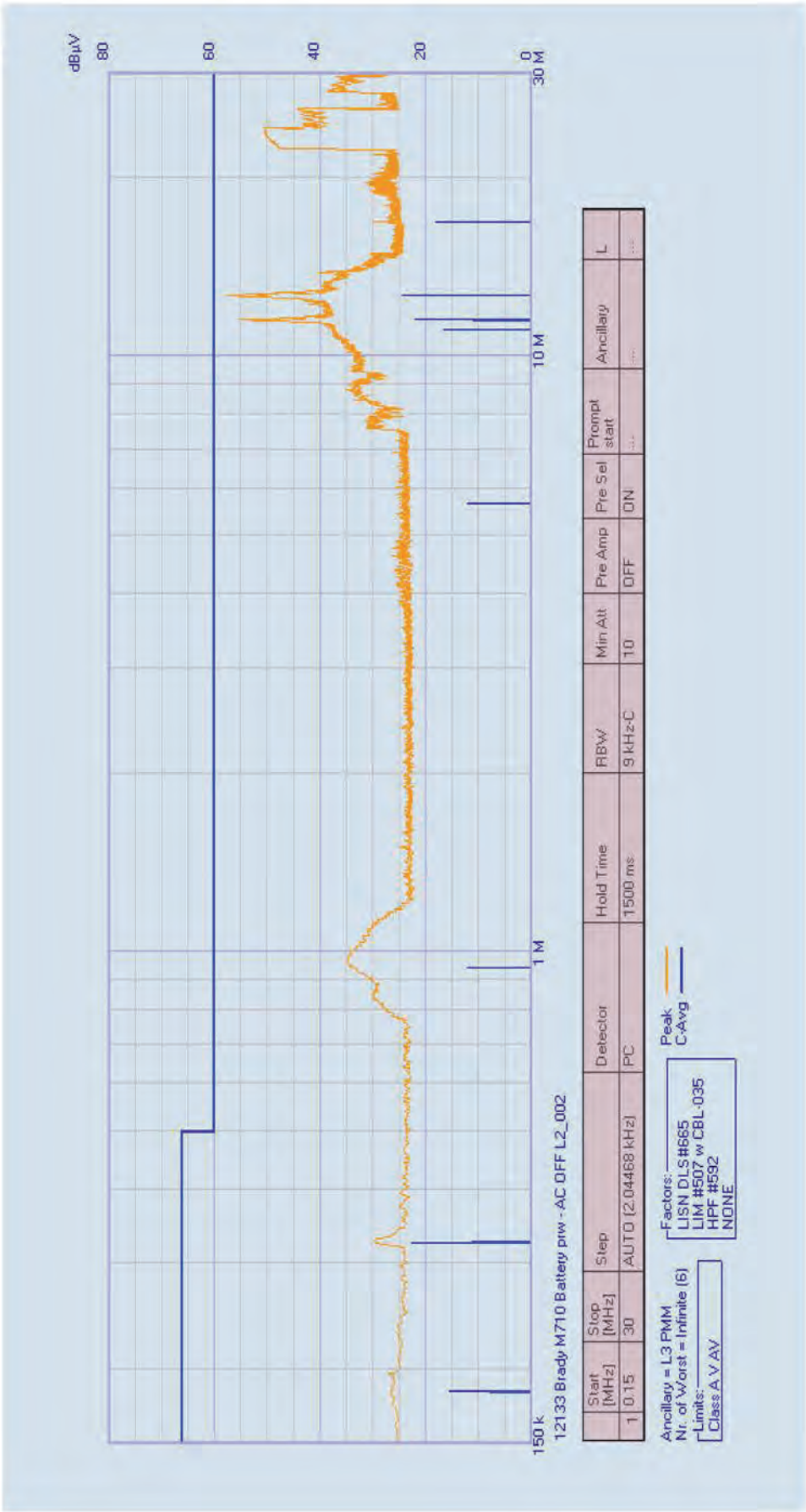
Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 04/14/2021

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions





Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



12133 Brady M710 Battery pwr - AC OFF L2_002 19/05/2022 12:15:09
Rel. SW 2.40 (January 2021)
Rel. FW 2.02 21/04/21
Margin: 100 dB

Frequency [MHz]	C-Avg [dBµV]	Limit Class A V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor LIM #507 [dB]	Factor .. HPF #592 [dB]	Factor NONE [dB]
1 0.15	13.71	66.00	-52.29	0.08	9.71	2.23	0.03
2 0.18271488	15.50	66.00	-50.50	0.06	9.67	1.89	0.08
3 0.32584248	22.67	66.00	-43.33	0.04	9.64	1.22	0.07
4 0.94129116	12.04	60.00	-47.96	0.03	9.65	0.47	0.15
5 5.63792112	12.09	60.00	-47.91	0.04	9.69	0.15	0.47
6 11.00520612	16.62	60.00	-43.38	0.04	9.76	0.20	0.60
7 11.43867828	21.89	60.00	-38.11	0.04	9.76	0.20	0.61
8 12.57756504	24.31	60.00	-35.69	0.04	9.76	0.19	0.65
9 16.74871224	19.17	60.00	-41.83	0.04	9.76	0.23	0.74
10 29.95325568	19.91	60.00	-40.09	0.02	9.92	0.40	0.97



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions

FCC PART 15, SUBPART B & SUBPART C

SECTION 15.107

AC LINE CONDUCTED EMISSIONS DATA

NON-WIRELESS UNIT - AC POWERED



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions

PMM NARDA REPORT: 12133 Brady M710 w-o radio 120v 60 Hz - L1_000



Report issuing date : 02-28-2022

Standard : FCC Part 15.107 Class A
Test Type : Voltage Mains Test
Test Site : Screen Room
Temperature : 72°F
Humidity : 22%
Test Specs : Line 1; Quasi-Peak Detector
Operator : cbrandt
DLS Project # : 12133
Result : Pass

EUT

Manufacturer : Brady Worldwide
Model : M710 printer
Product : Tabletop printer
Notes : 120 V 60 Hz
Comments : Unit without wireless modules
: Continuous print and cut

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

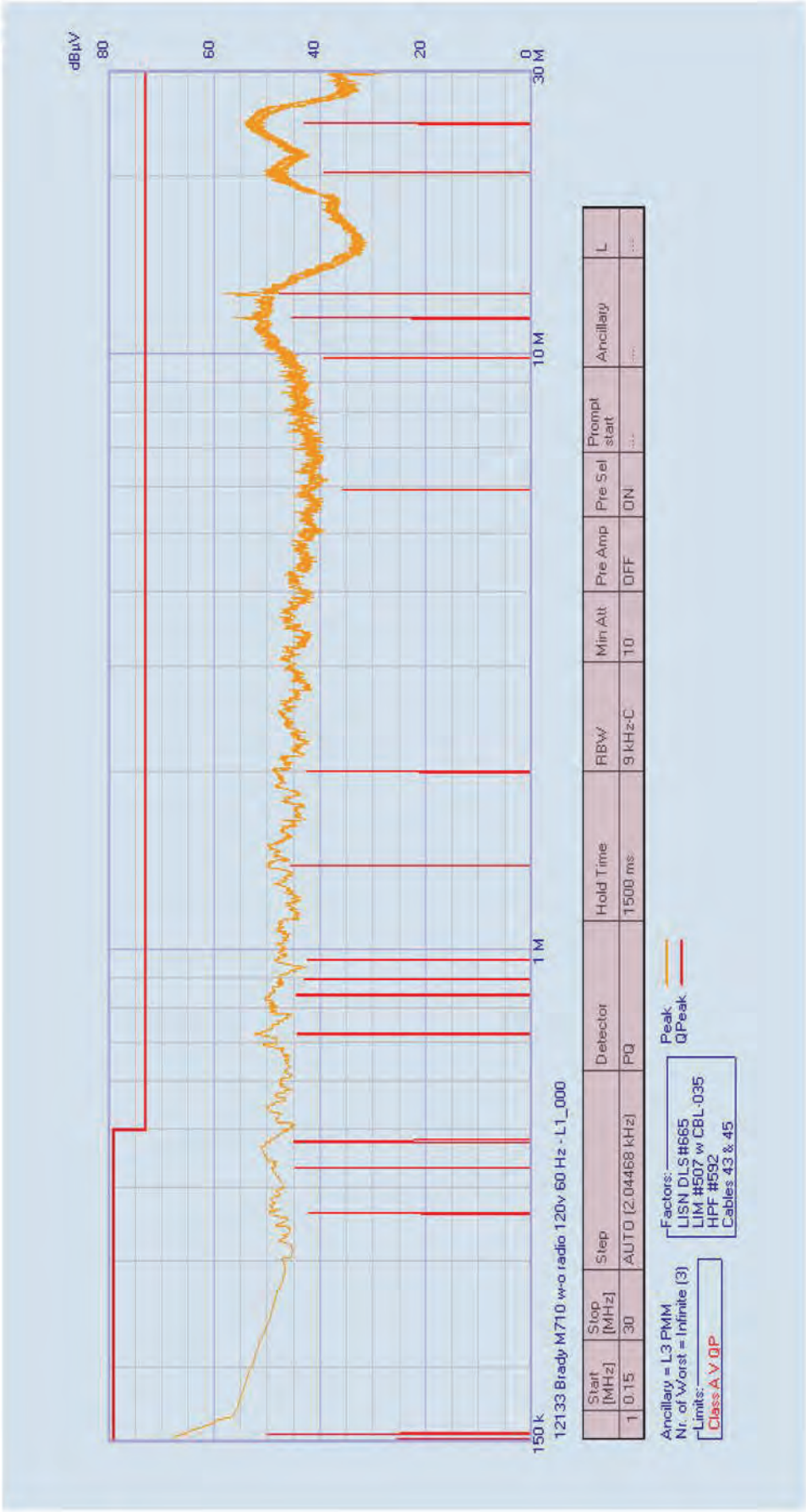
Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020W40102
Last Calibration : 04/14/2021

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions





Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



12133 Brady M710 w-o radio 120v 60 Hz - LI_000 28/02/2022 10:17:51

Rel. SW 2.40 (January 2021)

Rel. FW 2.02 21/04/21

Margin: 100 dB

Frequency [MHz]	QPeak [dBµV]	Limit Class A V... [dBµV]	Delta [dB]	Factor LISN DLS#... [dB]	Factor LIM #507 ... [dB]	Factor HPF #592 [dB]	Factor Cables 43... [dB]
1 0.15	51.47	79.00	-27.53	0.08	9.71	2.23	0.03
2 0.15408936	49.97	79.00	-29.03	0.08	9.70	2.17	0.04
3 0.36060204	42.16	79.00	-36.84	0.03	9.65	1.11	0.05
4 0.45012116	44.76	79.00	-34.24	0.03	9.69	0.97	0.08
5 0.4771488	44.80	79.00	-34.20	0.03	9.69	0.89	0.09
6 0.72046572	44.32	73.00	-28.68	0.03	9.66	0.56	0.13
7 0.84110184	44.56	73.00	-28.44	0.03	9.65	0.50	0.15
8 0.89221884	42.90	73.00	-30.10	0.03	9.65	0.49	0.15
9 0.96173796	42.27	73.00	-30.73	0.03	9.65	0.46	0.15
10 1.38294204	45.57	73.00	-27.43	0.03	9.65	0.33	0.20
11 1.9799886	42.59	73.00	-30.41	0.03	9.69	0.27	0.27
12 5.89146144	35.69	73.00	-37.31	0.04	9.69	0.15	0.49
13 9.80702364	39.38	73.00	-33.62	0.04	9.75	0.19	0.56
14 11.45094636	45.33	73.00	-27.67	0.04	9.76	0.20	0.61
15 12.57960972	47.74	73.00	-25.26	0.04	9.76	0.19	0.65
16 20.19604272	39.34	73.00	-33.66	0.05	9.77	0.26	0.78
17 24.2567772	42.91	73.00	-30.09	0.03	9.76	0.30	0.85



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions

PMM NARDA REPORT: 12133 Brady M710 w-o radio 120v 60 Hz - L1_001



Report issuing date : 02-28-2022

Standard : FCC Part 15.107 Class A
Test Type : Voltage Mains Test
Test Site : Screen Room
Temperature : 72°F
Humidity : 22%
Test Specs : Line 1; AVERAGE Detector
Operator : cbrandt
DLS Project # : 12133
Result : Pass

EUT

Manufacturer : Brady Worldwide
Model : M710 printer
Product : Tabletop printer
Notes : 120 V 60 Hz
Comments : Unit without wireless modules
: Continuous print and cut

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

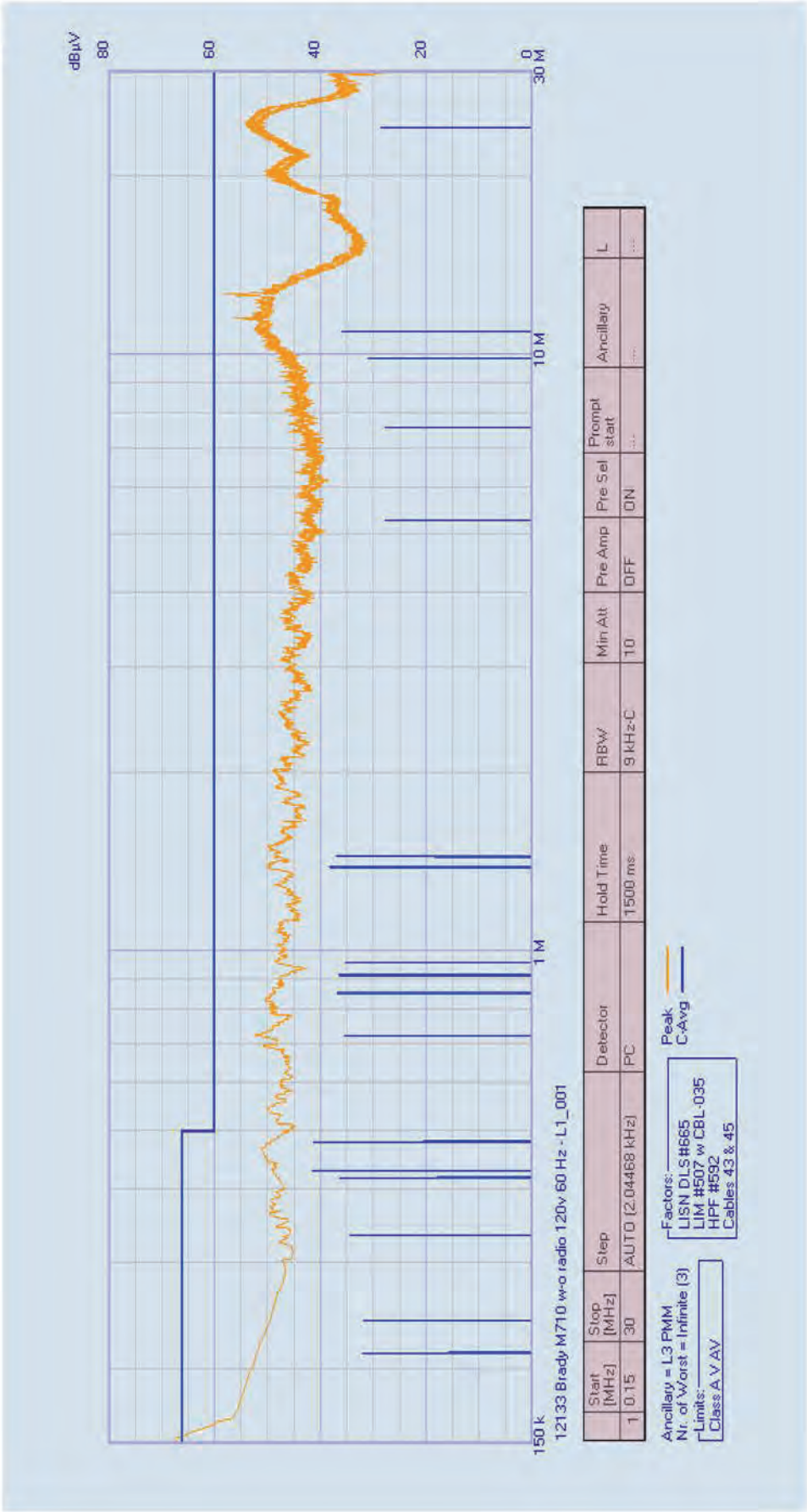
Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020W40102
Last Calibration : 04/14/2021

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions





Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



12133 Brady M710 w-o radio 120v 60 Hz - LI_001 28/02/2022 10:22:34

Rel. SW 2.40 (January 2021)

Rel. FW 2.02 21/04/21

Margin: 100 dB

Frequency [MHz]	C-Avg [dBµV]	Limit Class A V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor LIM #507 .. [dB]	Factor HPF #592 [dB]	Factor Cables 43.. [dB]
1 0.2113404	31.86	66.00	-34.14	0.05	9.65	1.65	0.07
2 0.23996592	31.73	66.00	-34.27	0.04	9.66	1.53	0.05
3 0.3340212	34.41	66.00	-31.59	0.04	9.64	1.19	0.07
4 0.41785308	36.31	66.00	-29.69	0.03	9.69	0.98	0.08
5 0.42807648	41.36	66.00	-24.64	0.03	9.69	0.97	0.08
6 0.47919348	41.29	66.00	-24.71	0.03	9.69	0.88	0.09
7 0.71842104	35.43	60.00	-24.57	0.03	9.67	0.57	0.13
8 0.84928056	36.76	60.00	-23.24	0.03	9.65	0.50	0.15
9 0.90857628	36.41	60.00	-23.59	0.03	9.65	0.48	0.15
10 0.9576486	35.08	60.00	-24.92	0.03	9.65	0.46	0.15
11 1.38089736	38.26	60.00	-21.74	0.03	9.65	0.33	0.20
12 1.43405904	36.93	60.00	-23.07	0.03	9.65	0.32	0.21
13 5.25352128	27.66	60.00	-32.34	0.04	9.69	0.16	0.43
14 7.52311608	27.60	60.00	-32.40	0.04	9.71	0.16	0.52
15 9.79271088	30.86	60.00	-29.14	0.04	9.75	0.19	0.56
16 10.91728488	35.89	60.00	-24.11	0.04	9.76	0.20	0.60
17 23.8887348	28.56	60.00	-31.44	0.03	9.76	0.30	0.84



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions

PMM NARDA REPORT: 12133 Brady M710 w-o radio 120v 60 Hz - L2_000



Report issuing date : 02-28-2022

Standard : FCC Part 15.107 Class A
Test Type : Voltage Mains Test
Test Site : Screen Room
Temperature : 72°F
Humidity : 22%
Test Specs : Line 2; Quasi-Peak Detector
Operator : cbrandt
DLS Project # : 12133
Result : Pass

EUT

Manufacturer : Brady Worldwide
Model : M710 printer
Product : Tabletop printer
Notes : 120 V 60 Hz
Comments : Unit without wireless modules
: Continuous print and cut

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

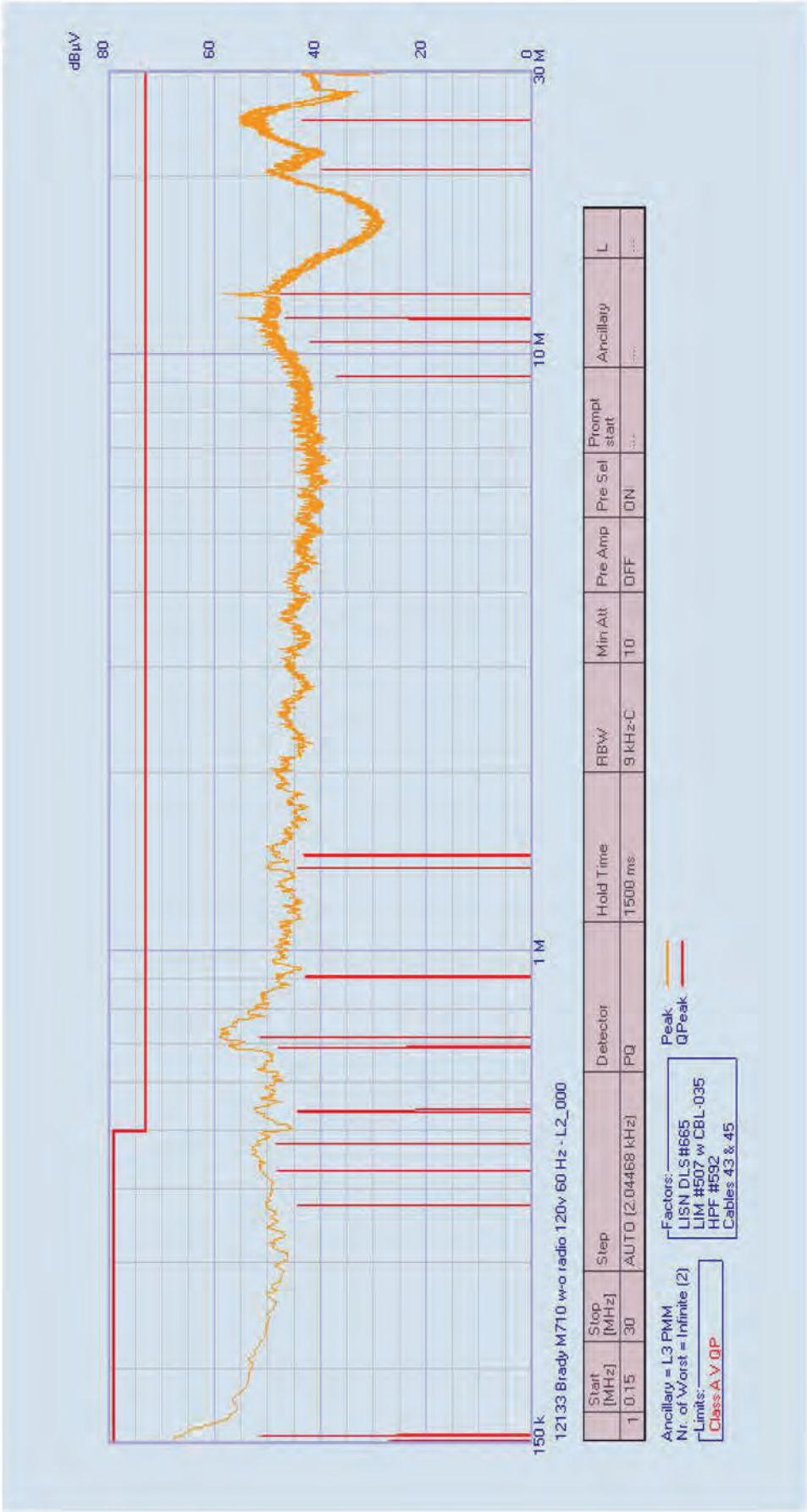
Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020W40102
Last Calibration : 04/14/2021

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions





Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



12133 Brady M710 w-o radio 120v 60 Hz - L2_000 28/02/2022 10:26:13									
Rel. SW 2.40 (January 2021)									
Rel. FW 2.02 21/04/21									
Margin: 100 dB									
Frequency [MHz]	QPeak [dBµV]	Limit Class A V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor LIM #507 [dB]	Factor .. HPF #592 [dB]	Factor Cables 43.. [dB]		
1 0.15	53.85	79.00	-25.15	0.08	9.71	2.23	0.03		
2 0.15408936	51.38	79.00	-27.62	0.08	9.70	2.17	0.04		
3 0.3749148	44.28	79.00	-34.72	0.03	9.66	1.07	0.06		
4 0.42807648	48.22	79.00	-30.78	0.03	9.69	0.97	0.08		
5 0.47510412	48.33	79.00	-30.67	0.03	9.69	0.89	0.09		
6 0.5384892	44.16	73.00	-28.84	0.03	9.69	0.79	0.10		
7 0.68775084	47.85	73.00	-25.15	0.03	9.67	0.59	0.12		
8 0.71433168	51.34	73.00	-21.66	0.03	9.67	0.57	0.13		
9 0.90448692	42.80	73.00	-30.20	0.03	9.65	0.48	0.15		
10 1.376808	44.19	73.00	-28.81	0.03	9.66	0.34	0.20		
11 1.44019308	43.13	73.00	-29.87	0.03	9.65	0.32	0.21		
12 9.14045796	36.99	73.00	-36.01	0.04	9.74	0.18	0.53		
13 10.43065104	41.84	73.00	-31.16	0.04	9.75	0.19	0.59		
14 11.43049956	46.68	73.00	-26.32	0.04	9.76	0.20	0.61		
15 12.57756504	49.41	73.00	-23.59	0.04	9.76	0.19	0.65		
16 20.33712564	39.73	73.00	-33.27	0.05	9.77	0.26	0.78		
17 24.70865148	43.33	73.00	-29.67	0.03	9.77	0.31	0.86		



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions

PMM NARDA REPORT: 12133 Brady M710 w-o radio 120v 60 Hz - L2_001



Report issuing date : 02-28-2022

Standard : FCC Part 15.107 Class A
Test Type : Voltage Mains Test
Test Site : Screen Room
Temperature : 72°F
Humidity : 22%
Test Specs : Line 2; AVERAGE Detector
Operator : cbrandt
DLS Project # : 12133
Result : Pass

EUT

Manufacturer : Brady Worldwide
Model : M710 printer
Product : Tabletop printer
Notes : 120 V 60 Hz
Comments : Unit without wireless modules
: Continuous print and cut

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

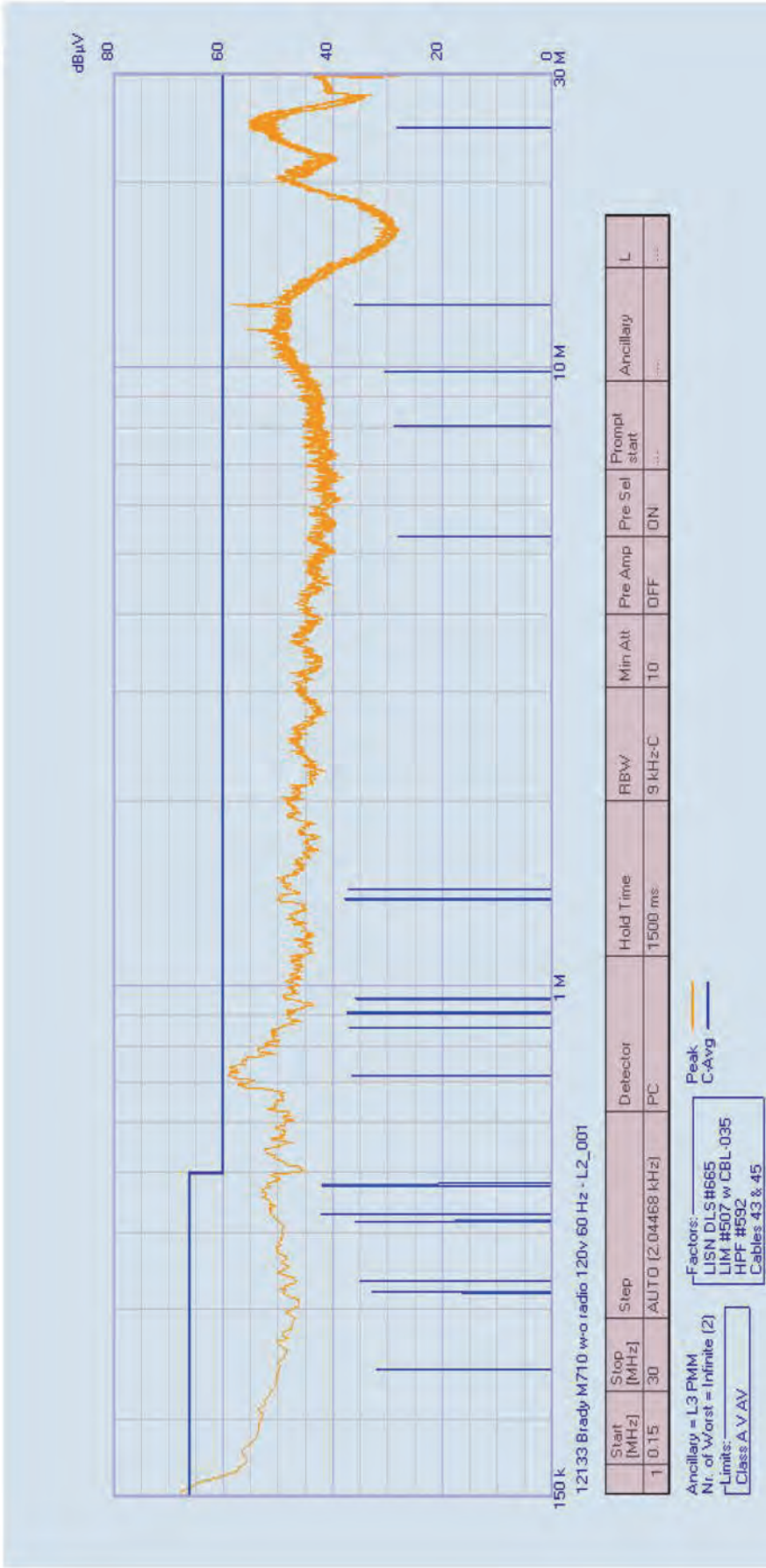
Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020W40102
Last Calibration : 04/14/2021

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions





Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



12133 Brady M710 w-o radio 120v 60 Hz - L2_001 28/02/2022 10:28:59

Rel. SW 2.40 (January 2021)

Rel. FW 2.02 21/04/21

Margin: 100 dB

Frequency [MHz]	C-Avg [dBµV]	Limit Class A V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor LIM #507 .. [dB]	Factor HPF #592 [dB]	Factor Cables 43.. [dB]
1 0.23996592	31.85	66.00	-34.15	0.04	9.66	1.53	0.05
2 0.31970844	32.85	66.00	-33.15	0.04	9.64	1.24	0.08
3 0.3340212	34.96	66.00	-31.04	0.04	9.64	1.19	0.07
4 0.41785308	35.84	66.00	-30.16	0.03	9.69	0.98	0.08
5 0.42807648	42.01	66.00	-23.99	0.03	9.69	0.97	0.08
6 0.4771488	41.93	66.00	-24.07	0.03	9.69	0.89	0.09
7 0.71433168	36.46	60.00	-23.54	0.03	9.67	0.57	0.13
8 0.8554146	36.99	60.00	-23.01	0.03	9.65	0.50	0.15
9 0.90448692	37.42	60.00	-22.58	0.03	9.65	0.48	0.15
10 0.95355924	35.71	60.00	-24.29	0.03	9.65	0.46	0.15
11 1.38089736	37.74	60.00	-22.26	0.03	9.65	0.33	0.20
12 1.42996968	37.19	60.00	-22.81	0.03	9.65	0.32	0.21
13 5.30054892	28.01	60.00	-31.99	0.04	9.69	0.16	0.44
14 8.02406268	28.79	60.00	-31.21	0.04	9.73	0.17	0.54
15 9.82951512	30.41	60.00	-29.59	0.04	9.75	0.19	0.56
16 12.56938632	36.07	60.00	-23.93	0.04	9.76	0.19	0.65
17 24.37741332	28.29	60.00	-31.71	0.03	9.76	0.30	0.85



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions

PMM NARDA REPORT: 12133 Brady M710 w-o radio 240v 60 Hz - L1_000



Report issuing date : 02-28-2022

Standard : FCC Part 15.107 Class A
Test Type : Voltage Mains Test
Test Site : Screen Room
Temperature : 72°F
Humidity : 22%
Test Specs : Line 1: Quasi-Peak Detector
Operator : cbrandt
DLS Project # : 12133
Result : Pass

EUT

Manufacturer : Brady Worldwide
Model : M710 printer
Product : Tabletop printer
Notes : 240 V 60 Hz
Comments : Unit without wireless modules
: Continuous print and cut

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

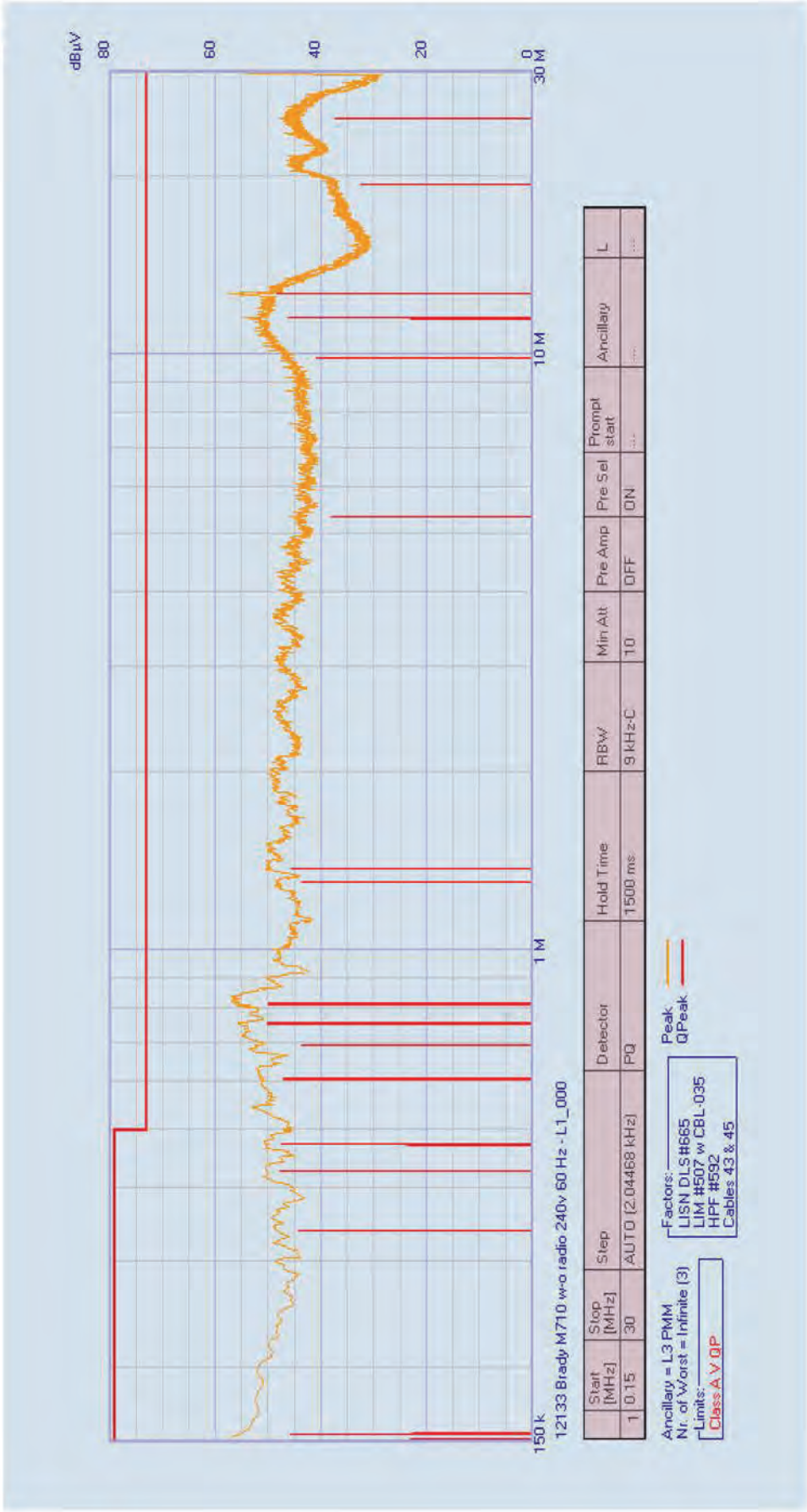
Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020W40102
Last Calibration : 04/14/2021

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions





Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



12133 Brady M710 w-o radio 240v 60 Hz - LI_000 (Worst: 3) 28/02/2022 11:16:12

Rel. SW 2.40 (January 2021)

Rel. FW 2.02 21/04/21

Margin: 100 dB

Frequency [MHz]	QPeak [dBµV]	Limit Class A V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor LIM #507 .. [dB]	Factor HPF #592 [dB]	Factor Cables 43.. [dB]
1 0.15	46.30	79.00	-32.70	0.08	9.71	2.23	0.03
2 0.15408936	45.67	79.00	-33.33	0.08	9.70	2.17	0.04
3 0.33811056	44.27	79.00	-34.73	0.03	9.65	1.18	0.06
4 0.4260318	47.64	79.00	-31.36	0.03	9.69	0.97	0.08
5 0.47101476	47.45	79.00	-31.55	0.03	9.69	0.90	0.09
6 0.60800832	47.13	73.00	-25.87	0.03	9.68	0.68	0.11
7 0.6918402	43.58	73.00	-29.42	0.03	9.67	0.58	0.12
8 0.75113592	50.02	73.00	-22.98	0.03	9.66	0.54	0.14
9 0.81043164	49.81	73.00	-23.19	0.03	9.65	0.52	0.15
10 1.30115484	43.51	73.00	-29.49	0.03	9.66	0.35	0.19
11 1.3665846	45.59	73.00	-27.41	0.03	9.66	0.34	0.20
12 5.28645956	38.05	73.00	-34.95	0.04	9.69	0.16	0.44
13 9.79475556	40.71	73.00	-32.29	0.04	9.75	0.19	0.56
14 11.43254424	46.23	73.00	-26.77	0.04	9.76	0.20	0.61
15 12.97756504	48.40	73.00	-24.60	0.04	9.76	0.19	0.65
16 19.21459632	32.32	73.00	-40.68	0.05	9.77	0.25	0.77
17 24.7986174	37.42	73.00	-35.58	0.03	9.77	0.31	0.86



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions

PMM NARDA REPORT: 12133 Brady M710 w-o radio 240v 60 Hz - L1_001



Report issuing date : 02-28-2022

Standard : FCC Part 15.107 Class A
Test Type : Voltage Mains Test
Test Site : Screen Room
Temperature : 72°F
Humidity : 22%
Test Specs : Line 1; AVERAGE Detector
Operator : cbrandt
DLS Project # : 12133
Result : Pass

EUT

Manufacturer : Brady Worldwide
Model : M710 printer
Product : Tabletop printer
Notes : 240 V 60 Hz
Comments : Unit without wireless modules
: Continuous print and cut

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

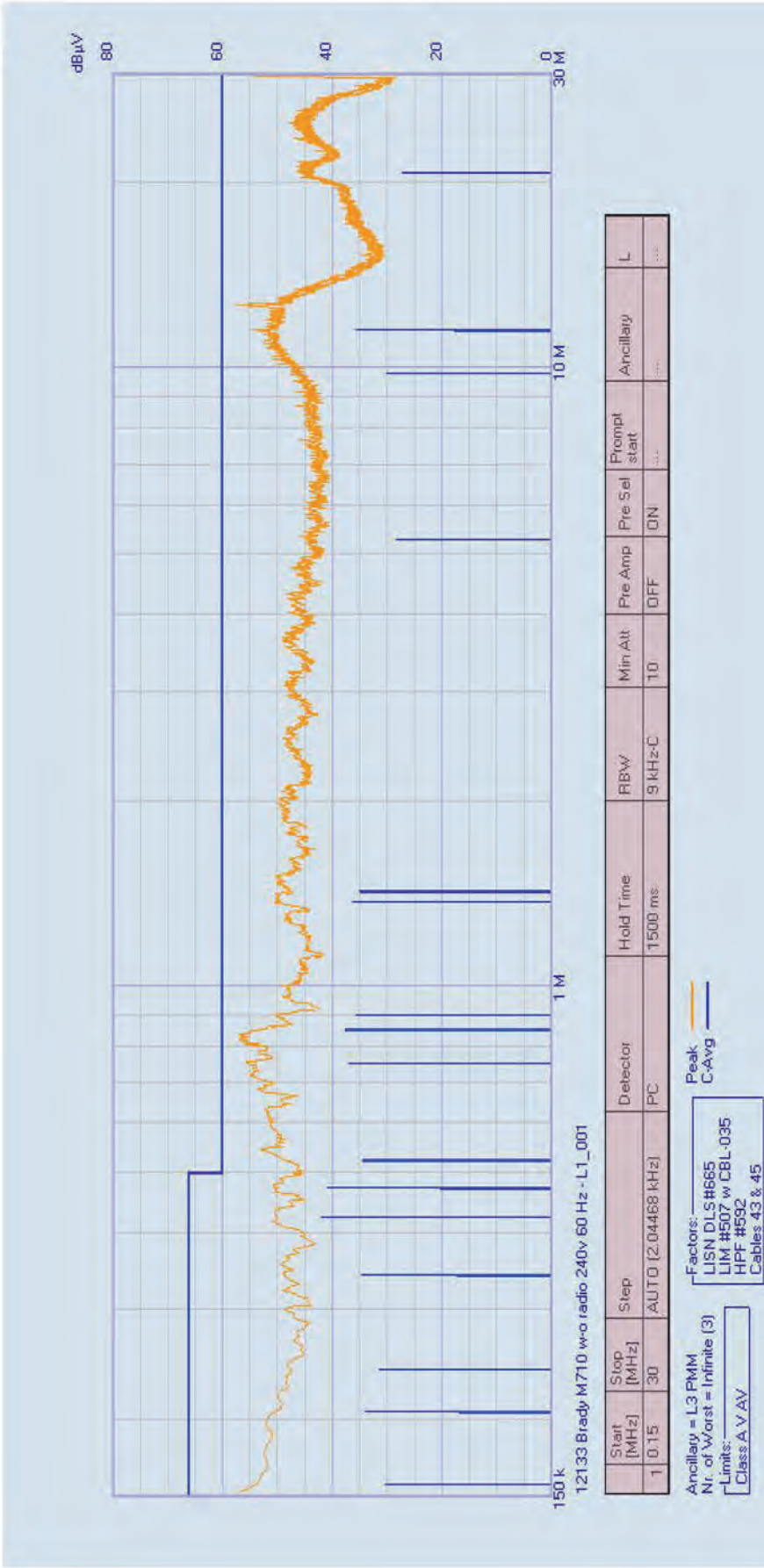
Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020W40102
Last Calibration : 04/14/2021

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions





Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



12133 Brady M710 w-o radio 240v 60 Hz - LI_001 {Worst: 3} 28/02/2022 11:20:15

Rel. SW 2.40 (January 2021)

Rel. FW 2.02 21/04/21

Margin: 100 dB

Frequency [MHz]	C-Avg [dBµV]	Limit Class A V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor LIM #507 .. [dB]	Factor HPF #592 [dB]	Factor Cables 43.. [dB]
1 0.15613404	30.20	66.00	-35.80	0.08	9.69	2.15	0.04
2 0.20520636	33.94	66.00	-32.06	0.05	9.65	1.69	0.08
3 0.23996592	31.24	66.00	-34.76	0.04	9.66	1.53	0.05
4 0.34015524	34.46	66.00	-31.54	0.03	9.65	1.17	0.06
5 0.42398712	41.83	66.00	-24.17	0.03	9.69	0.97	0.08
6 0.47101476	40.86	66.00	-25.14	0.03	9.69	0.90	0.09
7 0.52213176	34.20	60.00	-25.80	0.03	9.69	0.81	0.10
8 0.74909124	36.87	60.00	-23.13	0.03	9.66	0.55	0.14
9 0.84928056	37.65	60.00	-22.35	0.03	9.65	0.50	0.15
10 0.89835288	35.62	60.00	-24.38	0.03	9.65	0.48	0.15
11 1.3665846	36.23	60.00	-23.77	0.03	9.66	0.34	0.20
12 1.4177016	34.91	60.00	-25.09	0.03	9.65	0.33	0.21
13 5.2617	28.28	60.00	-31.72	0.04	9.69	0.16	0.44
14 9.73750452	30.06	60.00	-29.94	0.04	9.75	0.19	0.56
15 11.43049956	35.56	60.00	-24.44	0.04	9.76	0.20	0.61
16 20.5968	27.14	60.00	-32.86	0.05	9.76	0.26	0.78



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions

PMM NARDA REPORT: 12133 Brady M710 w-o radio 240v 60 Hz - L2_000



Report issuing date : 02-28-2022

Standard : FCC Part 15.107 Class A
Test Type : Voltage Mains Test
Test Site : Screen Room
Temperature : 72°F
Humidity : 22%
Test Specs : Line 2; Quasi-Peak Detector
Operator : cbrandt
DLS Project # : 12133
Result : Pass

EUT

Manufacturer : Brady Worldwide
Model : M710 printer
Product : Tabletop printer
Notes : 240 V 60 Hz
Comments : Unit without wireless modules
: Continuous print and cut

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

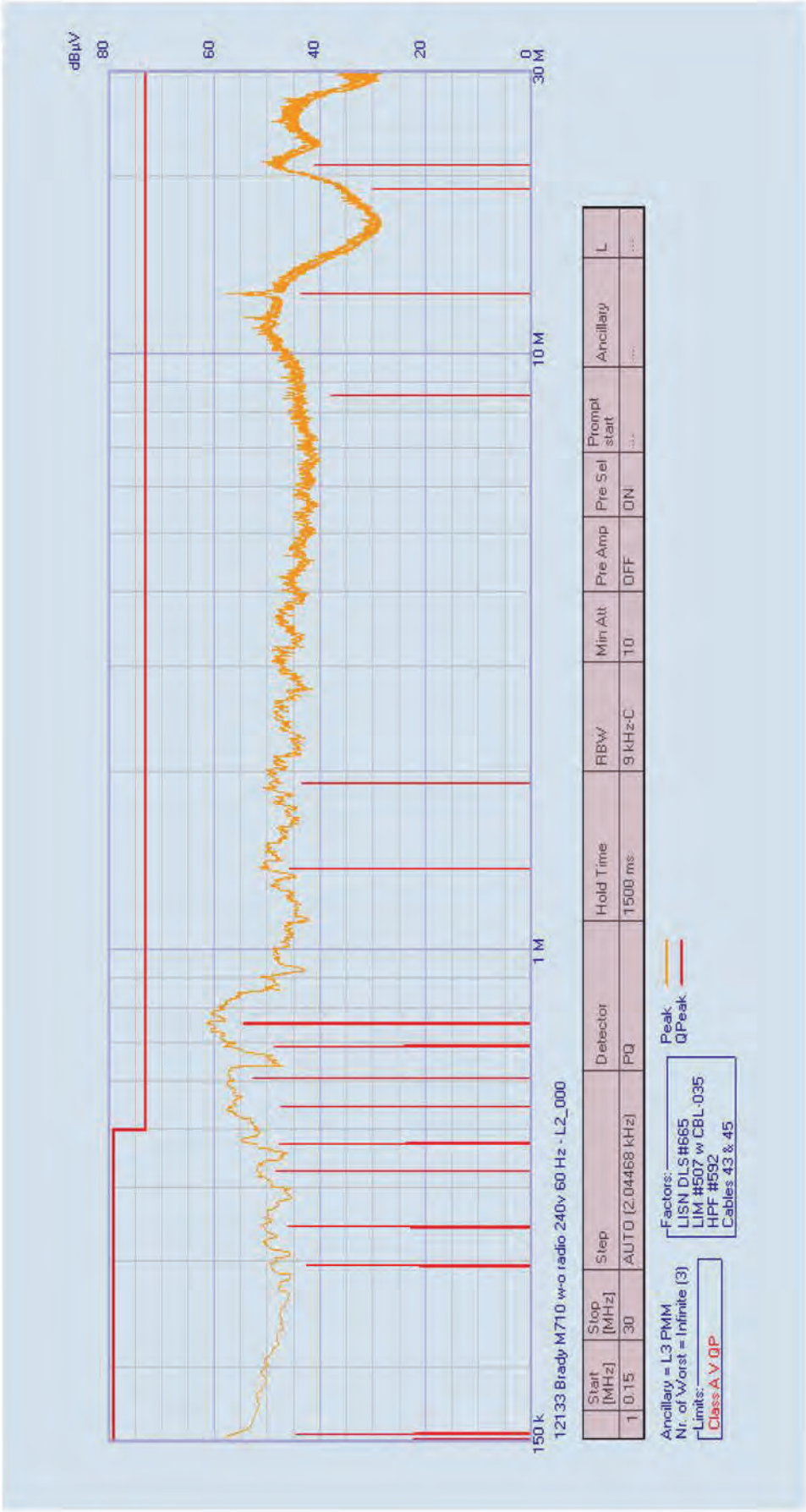
Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020W40102
Last Calibration : 04/14/2021

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions





Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



12133 Brady M710 w-o radio 240v 60 Hz - L2_000 28/02/2022 11:25:51
Rel. SW 2.40 (January 2021)
Rel. FW 2.02 21/04/21
Margin: 100 dB

Frequency [MHz]	QPeak [dBµV]	Limit Class A V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor LIM #507 .. [dB]	Factor HPF #592 [dB]	Factor Cables 43.. [dB]
1 0.15	45.34	79.00	-33.66	0.08	9.71	2.23	0.03
2 0.15408936	44.45	79.00	-34.55	0.08	9.70	2.17	0.04
3 0.29517228	42.55	79.00	-36.45	0.04	9.64	1.30	0.09
4 0.34219992	45.94	79.00	-33.06	0.03	9.65	1.16	0.06
5 0.4260318	48.43	79.00	-30.57	0.03	9.69	0.97	0.08
6 0.47305944	47.79	79.00	-31.21	0.03	9.69	0.89	0.09
7 0.54666792	47.21	73.00	-25.79	0.03	9.69	0.77	0.10
8 0.610053	52.73	73.00	-20.27	0.03	9.68	0.68	0.11
9 0.68979552	48.59	73.00	-24.41	0.03	9.67	0.58	0.12
10 0.75113592	54.40	73.00	-18.60	0.03	9.66	0.54	0.14
11 1.3665846	45.70	73.00	-27.30	0.03	9.66	0.34	0.20
12 1.90024608	43.43	73.00	-29.57	0.03	9.68	0.28	0.27
13 8.52500928	37.86	73.00	-35.14	0.04	9.73	0.18	0.54
14 12.5816544	43.69	73.00	-29.31	0.04	9.76	0.19	0.65
15 16.95901132	29.93	73.00	-43.07	0.05	9.77	0.25	0.77
16 20.71130208	40.90	73.00	-32.10	0.05	9.76	0.26	0.78



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions

PMM NARDA REPORT: 12133 Brady M710 w-o radio 240v 60 Hz - L2_001



Report issuing date : 02-28-2022

Standard : FCC Part 15.107 Class A
Test Type : Voltage Mains Test
Test Site : Screen Room
Temperature : 72°F
Humidity : 22%
Test Specs : Line 2; AVERAGE Detector
Operator : cbrandt
DLS Project # : 12133
Result : Pass

EUT

Manufacturer : Brady Worldwide
Model : M710 printer
Product : Tabletop printer
Notes : 240 V 60 Hz
Comments : Unit without wireless modules
: Continuous print and cut

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

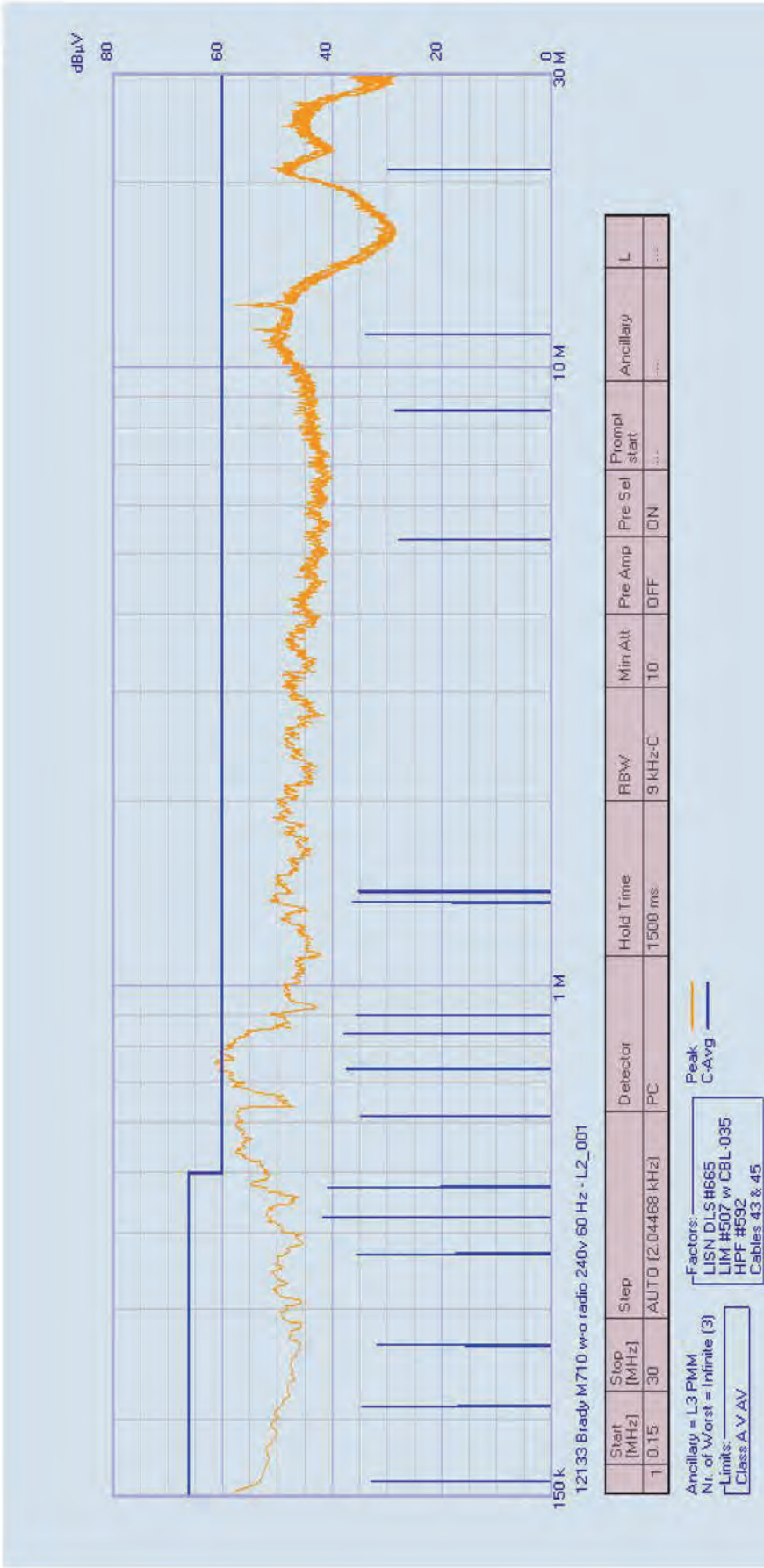
Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020W40102
Last Calibration : 04/14/2021

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions





Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



12133 Brady M710 w-o radio 240v 60 Hz - L2_001 28/02/2022 11:28:19

Rel. SW 2.40 (January 2021)

Rel. FW 2.02 21/04/21

Margin: 100 dB

Frequency [MHz]	C-Avg [dBµV]	Limit Class A V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor LIM #507 .. [dB]	Factor HPF #592 [dB]	Factor Cables 43.. [dB]
1 0.15817872	32.74	66.00	-33.26	0.07	9.69	2.12	0.04
2 0.20929572	34.49	66.00	-31.51	0.05	9.65	1.66	0.08
3 0.2624574	31.74	66.00	-34.26	0.04	9.65	1.45	0.09
4 0.36878076	35.30	66.00	-30.70	0.03	9.66	1.09	0.06
5 0.42398712	41.67	66.00	-24.33	0.03	9.69	0.97	0.08
6 0.47305944	40.82	66.00	-25.18	0.03	9.69	0.89	0.09
7 0.61618704	34.81	60.00	-25.19	0.03	9.68	0.67	0.11
8 0.73682316	37.38	60.00	-22.62	0.03	9.66	0.55	0.13
9 0.83905716	37.78	60.00	-22.22	0.03	9.65	0.50	0.15
10 0.8963082	35.66	60.00	-24.34	0.03	9.65	0.48	0.15
11 1.36453992	36.33	60.00	-23.67	0.03	9.66	0.34	0.20
12 1.4177016	35.16	60.00	-24.84	0.03	9.65	0.33	0.21
13 5.24943192	27.72	60.00	-32.28	0.04	9.69	0.16	0.43
14 8.51478568	28.37	60.00	-31.63	0.04	9.73	0.18	0.54
15 11.27510388	33.79	60.00	-26.21	0.04	9.76	0.20	0.61
16 20.83398288	29.76	60.00	-30.24	0.05	9.76	0.26	0.78



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions

FCC PART 15, SUBPART B & SUBPART C

SECTION 15.107

AC LINE CONDUCTED EMISSIONS DATA

NON-WIRELESS UNIT - BATTERY POWERED



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions

PMM NARDA REPORT: 12133 Brady M710 w-o radio Battery pwr - AC OFF L1_000



Report issuing date : 02-28-2022

Standard : FCC Part 15.107 Class A
Test Type : Voltage Mains Test
Test Site : Screen Room
Temperature : 72°F
Humidity : 22%
Test Specs : Line 1; Quasi-Peak Detector
Operator : cbrandt
DLS Project # : 12133
Result : Pass

EUT

Manufacturer : Brady Worldwide
Model : M710 printer
Product : Tabletop printer
Notes : Running off battery power; AC Off
Comments : Unit without wireless modules
: Continuous print and cut

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

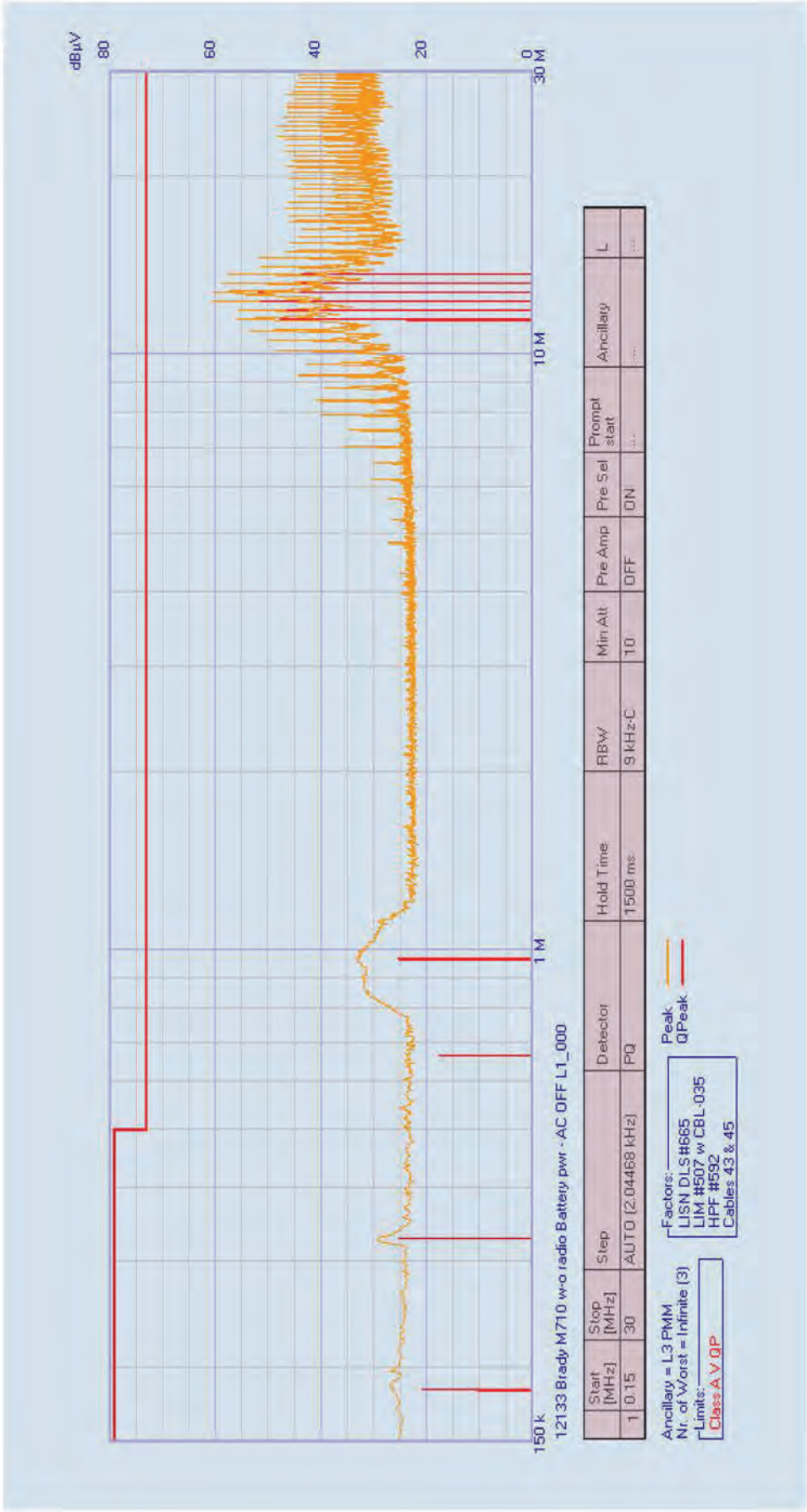
Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020W40102
Last Calibration : 04/14/2021

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions





Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



12133 Brady M710 w-o radio Battery pwr - AC OFF LI_000 28/02/2022 11:39:00							
Rel. SW 2.40 (January 2021)							
Rel. FW 2.02 21/04/21							
Margin: 100 dB							
Frequency [MHz]	QPeak [dBµV]	Limit Class A V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor LIM #507 .. [dB]	Factor HPF #592 [dB]	Factor Cables 43.. [dB]
1 0.15	19.64	79.00	-59.36	0.08	9.71	2.23	0.03
2 0.18271488	20.83	79.00	-58.17	0.06	9.67	1.89	0.08
3 0.32788716	25.33	79.00	-53.67	0.04	9.64	1.21	0.07
4 0.6321468	17.66	73.00	-55.34	0.03	9.67	0.61	0.12
5 0.96378264	25.50	73.00	-47.50	0.03	9.65	0.46	0.15
6 11.36711448	47.70	73.00	-25.30	0.04	9.76	0.20	0.61
7 11.804676	46.40	73.00	-26.60	0.04	9.76	0.20	0.62
8 12.24223752	51.31	73.00	-21.69	0.04	9.76	0.19	0.64
9 12.68184372	51.86	73.00	-21.14	0.04	9.76	0.19	0.65
10 13.11531588	43.50	73.00	-29.50	0.04	9.76	0.19	0.65
11 13.5528774	43.68	73.00	-29.32	0.04	9.75	0.20	0.65



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions

PMM NARDA REPORT: 12133 Brady M710 w-o radio Battery pwr - AC OFF L1_001



Report issuing date : 02-28-2022

Standard : FCC Part 15.107 Class A
Test Type : Voltage Mains Test
Test Site : Screen Room
Temperature : 72°F
Humidity : 22%
Test Specs : Line 1; AVERAGE Detector
Operator : cbrandt
DLS Project # : 12133
Result : Pass

EUT

Manufacturer : Brady Worldwide
Model : M710 printer
Product : Tabletop printer
Notes : Running off battery power; AC Off
Comments : Unit without wireless modules
: Continuous print and cut

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

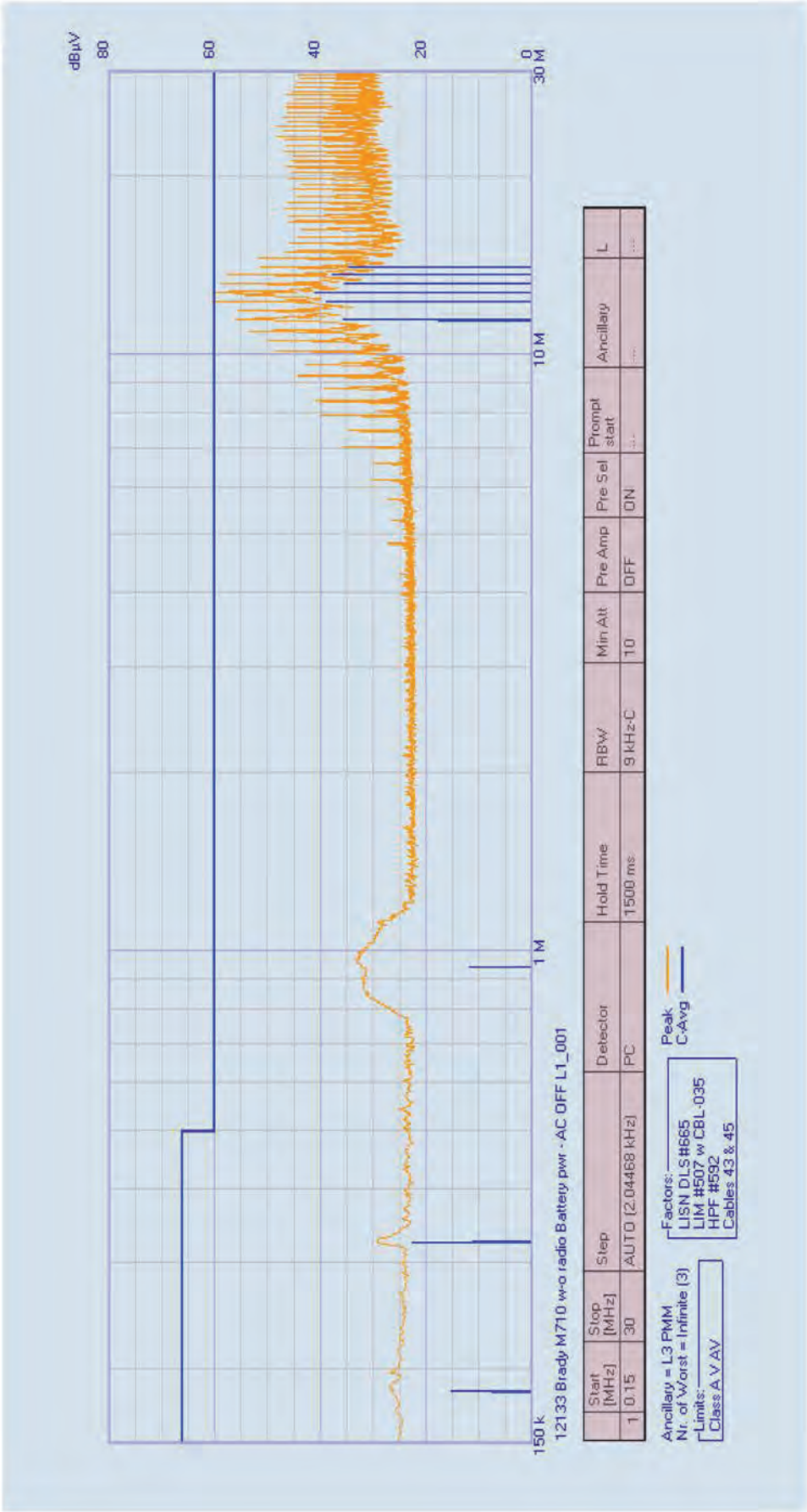
Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020W40102
Last Calibration : 04/14/2021

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions





Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



12133 Brady M710 w-o radio Battery pwr - AC OFF LI_001 28/02/2022 11:42:11
Rel. SW 2.40 (January 2021)
Rel. FW 2.02 21/04/21
Margin: 100 dB

Frequency [MHz]	C-Avg [dBµV]	Limit Class A V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor LIM #507 .. [dB]	Factor HPF #592 [dB]	Factor Cables 43.. [dB]
1 0.15	13.62	66.00	-52.38	0.08	9.71	2.23	0.03
2 0.18271488	15.38	66.00	-50.62	0.06	9.67	1.89	0.08
3 0.32584248	22.69	66.00	-43.31	0.04	9.64	1.22	0.07
4 0.94129116	11.81	60.00	-48.19	0.03	9.65	0.47	0.15
5 11.37120384	35.56	60.00	-24.44	0.04	9.76	0.20	0.61
6 12.24632688	38.84	60.00	-21.16	0.04	9.76	0.19	0.64
7 12.6838884	40.91	60.00	-19.09	0.04	9.76	0.19	0.65
8 13.12144992	35.28	60.00	-24.72	0.04	9.76	0.19	0.65
9 13.55901144	37.67	60.00	-22.33	0.04	9.75	0.20	0.65
10 13.99657296	35.13	60.00	-24.87	0.04	9.75	0.20	0.65



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions

PMM NARDA REPORT: 12133 Brady M710 w-o radio Battery pwr - AC OFF L2_000



Report issuing date : 02-28-2022

Standard : FCC Part 15.107 Class A
Test Type : Voltage Mains Test
Test Site : Screen Room
Temperature : 72°F
Humidity : 22%
Test Specs : Line 2; Quasi-Peak Detector
Operator : cbrandt
DLS Project # : 12133
Result : Pass

EUT

Manufacturer : Brady Worldwide
Model : M710 printer
Product : Tabletop printer
Notes : Running off battery power; AC Off
Comments : Unit without wireless modules
: Continuous print and cut

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

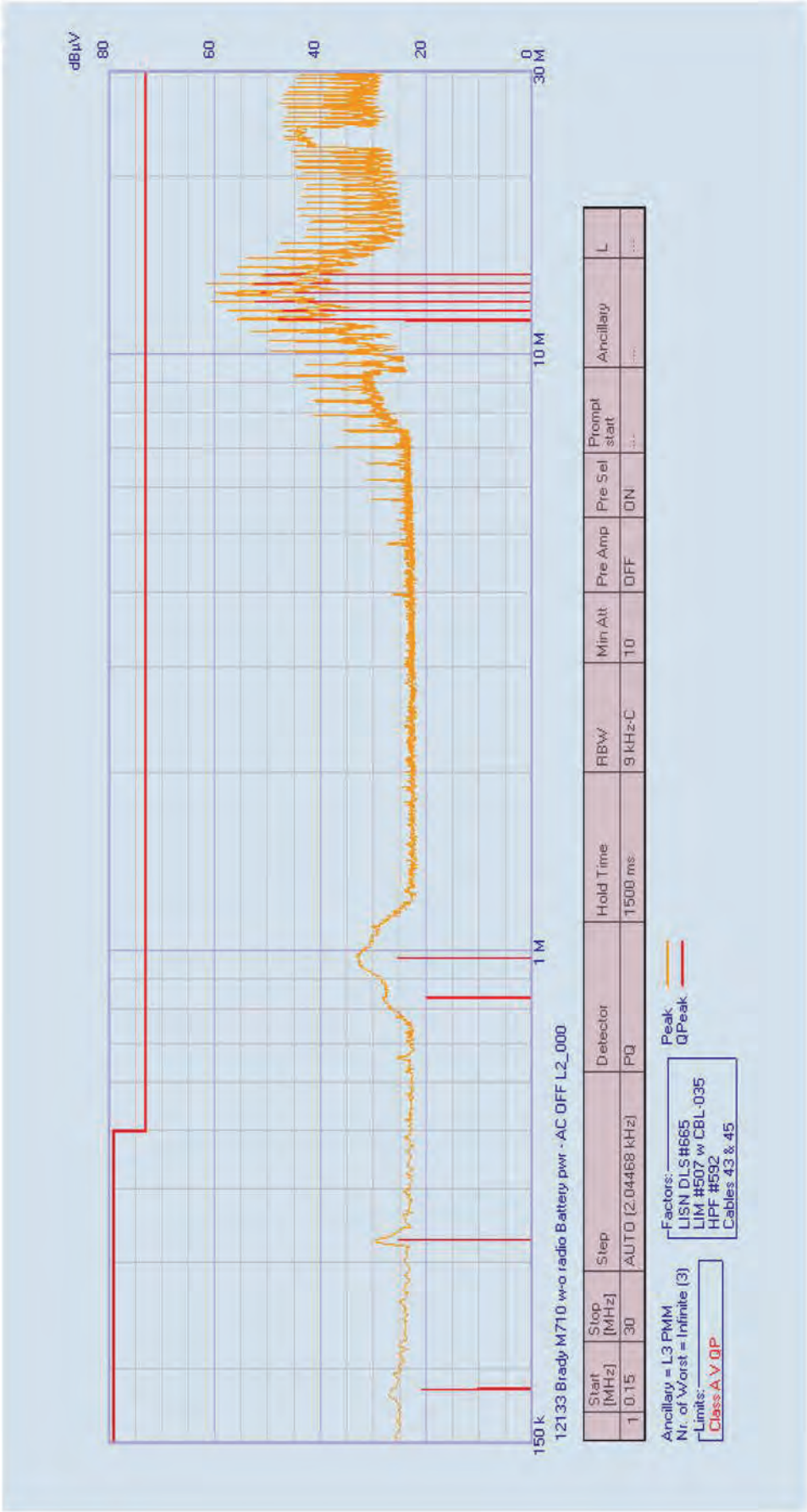
Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020W40102
Last Calibration : 04/14/2021

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions





Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



12133 Brady M710 w-o radio Battery pwr - AC OFF L2_000 28/02/2022 11:47:03

Rel. SW 2.40 (January 2021)

Rel. FW 2.02 21/04/21

Margin: 100 dB

Frequency [MHz]	QPeak [dBµV]	Limit Class A V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor LIM #507 .. [dB]	Factor HPF #592 [dB]	Factor Cables 43.. [dB]
1 0.15	19.65	79.00	-59.35	0.08	9.71	2.23	0.03
2 0.18475956	20.87	79.00	-58.13	0.06	9.67	1.87	0.08
3 0.32788716	25.23	79.00	-53.77	0.04	9.64	1.21	0.07
4 0.8349678	19.94	73.00	-53.06	0.03	9.65	0.50	0.15
5 0.97196136	25.44	73.00	-47.56	0.03	9.65	0.46	0.15
6 11.36915916	47.82	73.00	-25.18	0.04	9.76	0.20	0.61
7 11.80058664	47.13	73.00	-25.87	0.04	9.76	0.20	0.62
8 12.2442822	52.24	73.00	-20.76	0.04	9.76	0.19	0.64
9 12.67979904	51.13	73.00	-21.87	0.04	9.76	0.19	0.65
10 13.11531588	52.53	73.00	-20.47	0.04	9.76	0.19	0.65
11 13.55492208	50.52	73.00	-22.48	0.04	9.75	0.20	0.65



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions

PMM NARDA REPORT: 12133 Brady M710 w-o radio Battery pwr - AC OFF L2_001



Report issuing date : 02-28-2022

Standard : FCC Part 15.107 Class A
Test Type : Voltage Mains Test
Test Site : Screen Room
Temperature : 72°F
Humidity : 22%
Test Specs : Line 2; AVERAGE Detector
Operator : cbrandt
DLS Project # : 12133
Result : Pass

EUT

Manufacturer : Brady Worldwide
Model : M710 printer
Product : Tabletop printer
Notes : Running off battery power; AC Off
Comments : Unit without wireless modules
: Continuous print and cut

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

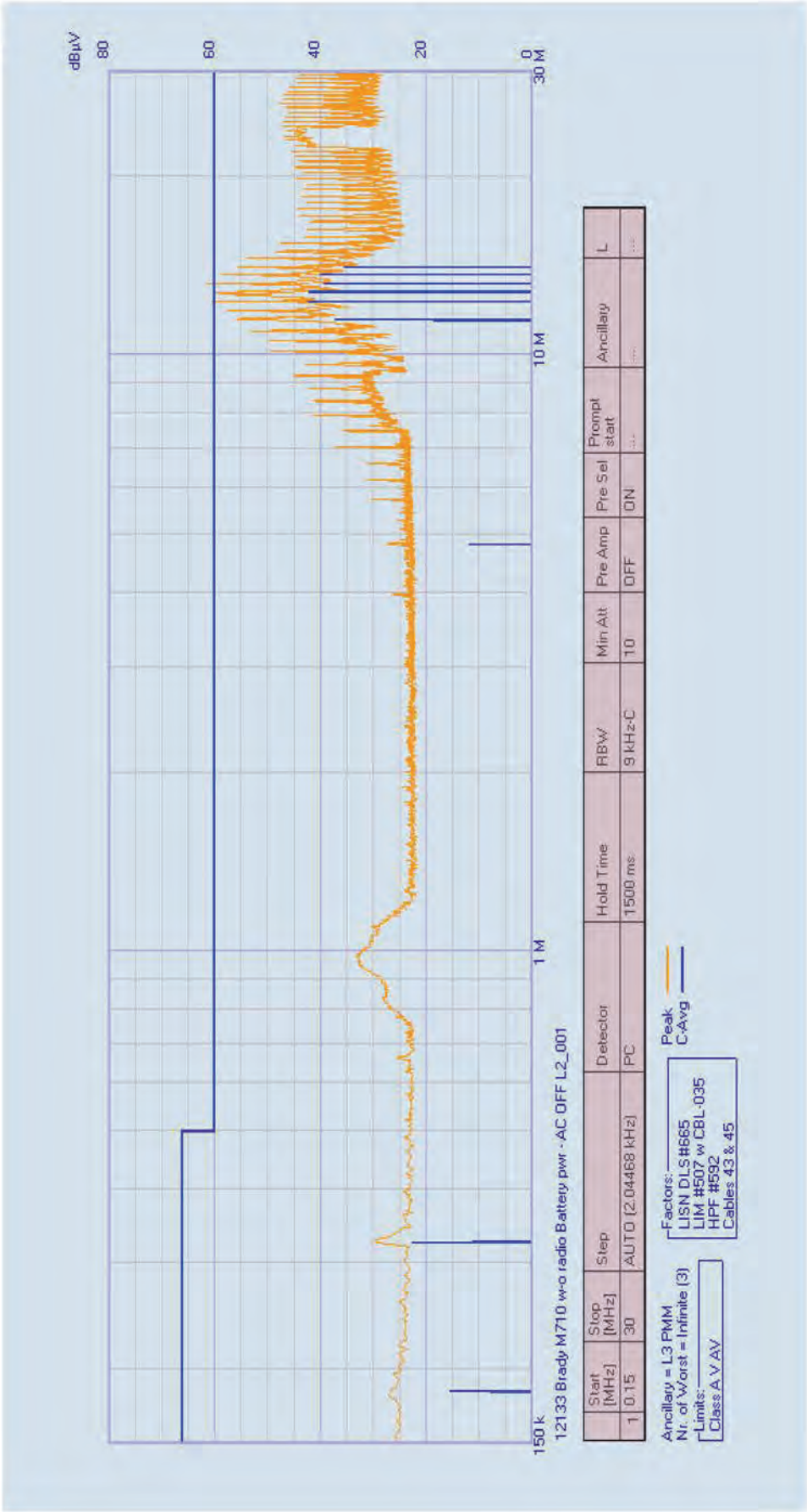
Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020W40102
Last Calibration : 04/14/2021

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions





Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.107 AC Line Conducted Emissions



12133 Brady M710 w-o radio Battery pwr - AC OFF 12_001 28/02/2022 11:49:24									
Rel. SW 2.40 (January 2021)									
Rel. FW 2.02 21/04/21									
Margin: 100 dB									
Frequency [MHz]	C-Avg [dBµV]	Limit Class A V... [dBµV]	Delta [dB]	Factor LISN DLS#... [dB]	Factor LIM #507 [dB]	Factor HPF #592 [dB]	Factor Cables 43... [dB]		
1 0.15	13.62	66.00	-52.38	0.08	9.71	2.23	0.03		
2 0.18271488	15.46	66.00	-50.54	0.06	9.67	1.89	0.08		
3 0.32584248	22.65	66.00	-43.35	0.04	9.64	1.22	0.07		
4 4.80982572	11.91	60.00	-48.09	0.04	9.68	0.16	0.39		
5 11.37324852	37.10	60.00	-22.90	0.04	9.76	0.20	0.61		
6 12.2442822	42.32	60.00	-17.68	0.04	9.76	0.19	0.64		
7 12.68593308	42.38	60.00	-17.62	0.04	9.76	0.19	0.65		
8 13.11940524	39.28	60.00	-20.72	0.04	9.76	0.19	0.65		
9 13.55696676	42.04	60.00	-17.96	0.04	9.75	0.20	0.65		
10 13.99861764	35.42	60.00	-24.58	0.04	9.75	0.20	0.65		



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.109 Radiated Emissions Below 1 GHz

FCC PART 15, SUBPART B & SUBPART C

SECTION 15.109

RADIATED EMISSIONS BELOW 1 GHz



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.109 Radiated Emissions Below 1 GHz

1.0 TEST PROCEDURE AND SETUP

The M710 Label Printer was set up according to the general testing requirements of ANSI C63.4 & ANSI C63.10.

All test measurements were made with the following mode of operation:

Continuous print and cut mode, with both radios powered but not continuously transmitting. Powered with AC adapter, and battery powered with power cord plugged into printer but not into AC outlet (worst-case).

2.0 TEST RESULTS

The M710 Label Printer Model Number: M710 **meets** the requirements of FCC Part 15, Subpart B & Subpart C for Section 15.109 Radiated Emissions Below 1 GHz. Plots and tabular data can be viewed at the end of this section.

Summary: No non-compliant emissions were observed.

3.0 SAMPLE CALCULATIONS

Radiated emissions: Emissions measurements include all system transducers and are compared against the appropriate limit requirement. See sample calculation below.

$$\begin{array}{lcl} \text{Equations:} & \text{Total Level(dB}\mu\text{V/m)} = & \text{Level(dB}\mu\text{V)} + \text{System Loss(dB)} + \text{Antenna Factor(dB/m)} \\ \text{Sample:} & 24.6 & = 35.51 + (-22.1) + 11.20 \end{array}$$

$$\begin{array}{lcl} \text{Margin(dB)} = & \text{Limit(dB}\mu\text{V/m)} - & \text{Total Level(dB}\mu\text{V/m)} \\ 15.4 & = 40 & - 24.6 \end{array}$$



Company: Brady Corporation
 Model Tested: M710
 Report Number: 27040
 Project Number: 12133
 Test: Section 15.109 Radiated Emissions Below 1 GHz

4.0 D.L.S. ELECTRONIC SYSTEMS, INC. MEASUREMENT UNCERTAINTY

Compliance with the limits in this standard are based on the results of the compliance measurement. Our calculated measurement uncertainty including the measurement instrumentation, associated connections between the various instruments in the measurement chain, and other contributions, are provided in this section of the test report.

Radiated Emission Uncertainty										
Contribution	Probability Distribution	(± dB)	(± dB)	(± dB)	(± dB)	(± dB)	(± dB)	(± dB)	(± dB)	(± dB)
		3M	3M	3M	3M	3M	3M	10M	10M	10M
		30-100 MHz	100-700 MHz	700-1000 MHz	1- 4.5 GHz	4.5 – 7 GHz	7 – 18 GHz	30-100 MHz	100-700 MHz	700-1000 MHz
Combined Standard Uncertainty	Normal	1.70	1.62	1.66	2.13	2.48	2.85	1.64	1.58	1.66
Expanded Uncertainty	Normal (k=2)	3.40	3.23	3.33	4.26	4.95	5.69	3.29	3.16	3.31



Company: Brady Corporation
 Model Tested: M710
 Report Number: 27040
 Project Number: 12133
 Test: Section 15.109 Radiated Emissions Below 1 GHz

Registration Number: 90531

TABLE 1 / TEST INSTRUMENTATION

Description	Manufacturer	Model Number	Serial Number	Range	Firmware/Software Version	Cal On	Cal Due Dates
Antenna, Biconical	EMCO	3104C	0005-4891	20MHz-200MHz	N/A	5/13/2021	5/13/2023
Antenna, Biconical	EMCO	3104C	0005-4892	20MHz-200MHz	N/A	5/28/2020	5/28/2022
Antenna, Log Periodic	EMCO	3146	1604	200MHz-1GHz	N/A	2/10/2021	2/10/2023
Antenna, Log Periodic	Electro-Metrics	LPA-25	1114	200MHz-1GHz	N/A	4/1/2022	3/31/2024
Beldin 9273; N-BNC; 2 Meter; Receiver Hook-Up	Beldin	9273	CBL-029	9kHz-1GHz	N/A	7/5/2021	7/5/2022
Beldin 9273; N-BNC; 2 Meter; Receiver Hook-Up	Beldin	9273	CBL-028	9 kHz-1000MHz	N/A	2/2/2022	2/2/2023
Beldin 9914; N-N; 3 Meter Test	Beldin	9914	CBL-005	9kHz-1000MHz	N/A	2/2/2022	2/2/2023
Beldin 9914; N-N; 3 Meter Test	Beldin	9914	CBL-023	9kHz-1GHz	N/A	7/5/2021	7/5/2022
Preamplifier, RF, w/CBL-039	Rohde & Schwarz	TS-PR10	032001/004	9kHz - 1GHz	N/A	10/28/2021	10/28/2022
Preamplifier, RF, w/CBL-040	Rohde & Schwarz	TS-PR10	032001/005	9kHz - 1000 MHz	N/A	10/28/2021	10/28/2022
Receiver, RF, Tuned	Rohde & Schwarz	ESI 40	837808/005	20Hz – 40 GHz	4.34.3:12/13/2000	2/8/2022	2/8/2023
Receiver, RF, Tuned	Rohde & Schwarz	ESI 40	837808/006	20Hz – 40 GHz	4.34.3:12/13/2001	3/28/2022	3/28/2023
RG-223/U; N-BNC; 10 Meter; Antenna Hook-Up	Manhattan/CDT	RG223/U	CBL-052	9kHz-1GHz	N/A	7/5/2021	7/5/2022
RG-223/U; N-BNC; 10Meter; Antenna Hook-Up	Coleman Cable	991079 / RG-223/U	CBL-051	9kHz-1GHz	N/A	2/2/2022	2/2/2023

All primary equipment is calibrated against known reference standards with a verified traceable path to NIST.



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.109 Radiated Emissions Below 1 GHz

TABLE 2 / TEST EQUIPMENT

Description	Manufacturer	Model Number	Firmware/Software Version
EMI Test Software	Rohde & Schwarz	ESK1	1.7.1:12/13/2001
EMI Test Software	Rohde & Schwarz	ESK1	1.7.1:12/13/2000

The test equipment above is verified with calibrated equipment.



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.109 Radiated Emissions Below 1 GHz

FCC PART 15, SUBPART B & SUBPART C

SECTION 15.109

RADIATED EMISSIONS BELOW 1 GHz

TEST SETUP PHOTOS (Site 3)



Company: Brady Corporation
Model Tested: M710
Report Number: 27040
Project Number: 12133
Test: Section 15.109 Radiated Emissions Below 1 GHz



Radiated Below 1 GHz - Site 3 - Front