

FCC 47 CFR Part 15 Subpart B

TEST REPORT

For

Hazloc LED Luminaire

MODEL NUMBER: MDX-20L-100-277, MDX-40L-100-277, MDX-50L-100-277, MDX-70L-100-277, MDX-20L-347-480, MDX-40L-347-480, MDX-50L-347-480, MDX-70L-347-480, MDX-15L-100-277, MDX-30L-100-277, MDX-60L-100-277, MDX-15L-347-480, MDX-30L-347-480, MDX-60L-347-480 (For more information refer to page 8)

REPORT NUMBER: 4791017312.1-1

ISSUE DATE: March 19, 2024

Prepared for

**RED SKY LIGHTING LLC
9370 Pittsburgh Ave, Rancho Cucamonga, CA 91730, USA**

Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	March 19, 2024	Initial Issue	

Summary of Test Results

Emission			
Standard	Test Item	Limit	Result
FCC 47 CFR Part 15 Subpart B	Conducted emissions	FCC Part 15.107	Pass
	Radiated emissions below 1GHz	FCC Part 15.109	Pass
	Radiated emissions above 1GHz	FCC Part 15.109	N/A (NOTE 1, 2)

Note:

1. N/A: In this whole report not applicable.

2. If the highest frequency of the internal sources of the EUT is less than 108 MHz, the measurement shall only be made up to 1 GHz. If the highest frequency of the internal sources of the EUT is between 108 MHz and 500 MHz, the measurement shall only be made up to 2 GHz. If the highest frequency of the internal sources of the EUT is between 500 MHz and 1 GHz, measurement shall only be made up to 5 GHz. If the highest frequency of the internal sources of the EUT is above 1 GHz, the measurement shall be made up to 5 times the highest frequency or 40 GHz, whichever is less.

*This test report is only published to and used by the applicant, and it is not for evidence purpose in China.

*The measurement result for the sample received is <Pass> according to <FCC 47 CFR Part 15 Subpart B> when <Simple Acceptance> decision rule is applied.

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: RED SKY LIGHTING LLC
Address: 9370 Pittsburgh Ave, Rancho Cucamonga, CA 91730, USA

Manufacturer Information

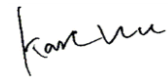
Company Name: RED SKY LIGHTING LLC
Address: 9370 Pittsburgh Ave, Rancho Cucamonga, CA 91730, USA

EUT Information

EUT Name: Hazloc LED Luminaire
Model: MDX-20L-100-277, MDX-40L-100-277, MDX-50L-100-277, MDX-70L-100-277, MDX-20L-347-480, MDX-40L-347-480, MDX-50L-347-480, MDX-70L-347-480
Series Model: MDX-15L-100-277, MDX-30L-100-277, MDX-60L-100-277, MDX-15L-347-480, MDX-30L-347-480, MDX-60L-347-480
Sample Received Date: February 19, 2024
Sample ID: 6932898-1~8
Date of Tested: February 19, 2024 to March 1, 2024

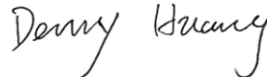
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47 CFR Part 15 Subpart B	Pass

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Checked By:



Denny Huang
Senior Project Engineer

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Stephen Guo
Operations Manager

2. TEST METHODOLOGY

All tests were performed in accordance with the standard FCC 47 CFR Part 15 Subpart B

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	<p>A2LA (Certificate No.: 4102.01) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA.</p> <p>FCC (FCC Designation No.: CN1187) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules.</p> <p>ISED (Company No.: 21320) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046.</p> <p>VCCI (Registration No.: G-20192, C-20153, T-20155 and R-20202) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber D, the VCCI registration No. is G-20192 and R-20202 Shielding Room B, the VCCI registration No. is C-20153 and T-20155</p>
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Note:

All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, No. 1, Li Bin Road, Song Shan Lake Hi-Tech Development Zone Dongguan, 523808, People's Republic of China.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Measurement Frequency Range	K	U(dB)
Conducted emissions	0.009 MHz - 0.15 MHz	2	4.00
	0.15MHz - 30MHz	2	3.63
Radiated emissions below 1GHz	9kHz - 30MHz	2	2.20
	30MHz -1GHz	2	4.13
Note1: This uncertainty represents an expanded uncertainty expressed at approximately the 95 % confidence level using a coverage factor of k=2.			
Note 2: According to the standard CISPR 16-4-2, the MU for the Conducted emissions from the AC mains power ports using AMN should not exceed 3.8 in range of 9kHz to 150kHz and 3.4 in range of 150kHz to 30MHz. We have considered the test results containing the value of U _{lab} (in dB) for the measurement instrumentation actually used for the measurements.			

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name	Hazloc LED Luminaire
Model	MDX-20L-100-277, MDX-40L-100-277, MDX-50L-100-277, MDX-70L-100-277, MDX-20L-347-480, MDX-40L-347-480, MDX-50L-347-480, MDX-70L-347-480
Series Model	MDX-15L-100-277, MDX-30L-100-277, MDX-60L-100-277, MDX-15L-347-480, MDX-30L-347-480, MDX-60L-347-480
Model Difference	MDX-15L-100-277 and MDX-20L-100-277 have same circuit diagram, PCB layout, except the model name and rating power. MDX-30L-100-277 and MDX-40L-100-277 have same circuit diagram, PCB layout, except the model name and rating power. MDX-60L-100-277 and MDX-70L-100-277 have same circuit diagram, PCB layout, except the model name and rating power. MDX-15L-347-480 and MDX-20L-347-480 have same circuit diagram, PCB layout, except the model name and rating power. MDX-30L-347-480 and MDX-40L-347-480 have same circuit diagram, PCB layout, except the model name and rating power. MDX-60L-347-480 and MDX-70L-347-480 have same circuit diagram, PCB layout, except the model name and rated power. Therefore, full tests were applied on: MDX-20L-100-277 with LED driver MU150H105AQ_CP; MDX-40L-100-277 with LED driver MU240H150AQ1_CP; MDX-50L-100-277 with LED driver MU320H105AQ_CP; MDX-70L-100-277 with LED driver HLG-480H-C1400AB; MDX-20L-347-480 with LED driver MT150A105AQ_CP; MDX-40L-347-480 with LED driver MT240H150AQ_CP; MDX-50L-347-480 with LED driver MT320H105AQ1_CP; MDX-70L-347-480 with LED driver HVGC-480-L-AB
EUT Classification	Model MDX-20L-347-480 and MDX-15L-347-480 for class A, class B for other models
Highest Internal Frequency	Below 108MHz
Ratings	100-277~ 50/60Hz, 347-480V~ 50/60Hz
Note:	The EUT have four different enclosures.

Model List:

No.	Model	Manufacturer	Rated
1.	MDX-15L-100-277	Shanghai Moons' Automation Control Co., Ltd.	100-277Vac, 50/60 Hz, 90 W
2.	MDX-20L-100-277		100-277Vac, 50/60 Hz, 120 W
3.	MDX-30L-100-277		100-277Vac, 50/60 Hz, 190 W
4.	MDX-40L-100-277		100-277Vac, 50/60 Hz, 260 W
5.	MDX-50L-100-277		100-277Vac, 50/60 Hz, 310 W
6.	MDX-60L-100-277	MEAN WELL ENTERPRISES CO LTD.	100-240/277Vac, 50/60 Hz, 380 W
7.	MDX-70L-100-277		100-240/277Vac, 50/60 Hz, 440 W

8.	MDX-15L-347-480	Shanghai Moons' Automation Control Co., Ltd.	347-480Vac, 50/60 Hz, 90 W
9.	MDX-20L-347-480		347-480Vac, 50/60 Hz, 120 W
10.	MDX-30L-347-480		347-480Vac, 50/60 Hz, 190 W
11.	MDX-40L-347-480	Shanghai Moons' Automation Control Co., Ltd.	347-480Vac, 50/60 Hz, 260 W
12.	MDX-50L-347-480		347-480Vac, 50/60 Hz, 310 W
13.	MDX-60L-347-480	MEAN WELL ENTERPRISES CO., LTD.	347-480Vac, 50/60 Hz, 380 W
14.	MDX-70L-347-480		347-480Vac, 50/60 Hz, 440 W
Note: 1. All models without dimming function. 2. All the information above was provided by the manufacturer. More detailed feature of the EUT please refers to the user manual.			

5.2. TEST MODE

Test Mode	Description
M01	Running+lighting

5.3. SUPPORT UNITS FOR SYSTEM TEST

The EUT has been tested as an independent unit.

6. MEASURING EQUIPMENT AND SOFTWARE USED

Test Equipment of Conducted emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
EMI Test Receiver	ROHDE & SCHWARZ	ESR3	101961	Oct. 13, 2023	Oct. 12, 2024
Two-Line V-Network	ROHDE & SCHWARZ	ENV216	101983	Oct. 13, 2023	Oct. 12, 2024
Artificial Mains Networks	Schwarzbeck	NSLK 8126	8126465	Oct. 12, 2023	Oct. 11, 2024
Test Software for Conducted Emission	Farad	EZ-EMC	Ver.UL-3A1	N/A	N/A

Test Equipment of Radiated emissions below 1GHz					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Hybrid Log Periodic Antenna	TDK	HLP-3003C	130960	Aug. 2, 2021	Aug. 1, 2024
MXE EMI Receiver	KEYSIGHT	N9038A	MY56400036	Oct. 12, 2023	Oct. 11, 2024
Amplifier	HP	8447D	2944A09099	Oct. 12, 2023	Oct. 11, 2024
Test Software for Radiated Emission	Farad	EZ-EMC	Ver.UL-3A1	N/A	N/A

Other Instrument					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Temperature humidity probe	OMEGA	ITHX-SD-5	18470007	Oct.21, 2023	Oct.20, 2024
Barometer	Yiyi	Baro	N/A	Oct.19, 2023	Oct.18, 2024
Attenuator	Agilent	8495B	2814a12853	Oct.12, 2023	Oct.11, 2024

7. EMISSION TEST

7.1. CONDUCTED EMISSIONS

LIMITS

CFR 47 FCC Part15 Subpart B				
FREQUENCY (MHz)	Class A (dBμV)		Class B (dBμV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46*
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

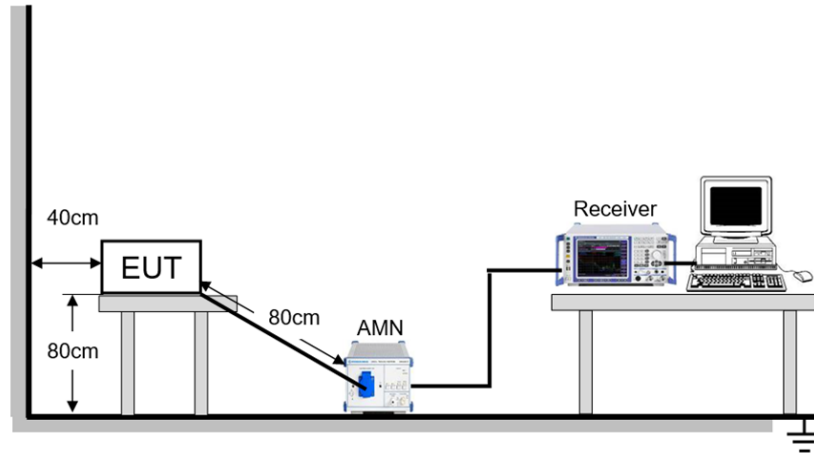
The following table is the setting of the receiver:

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

TEST PROCEDURE

1. The testing follows the guidelines in ANSI C63.4-2014.
2. The EUT was placed on the top of a rotating table 0.8 meters above the horizontal ground plane and being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
3. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
4. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
5. Cables of hand-operated devices, such as keyboards and mice, shall be placed as for normal used.
6. LISN at least 80 cm from nearest part of EUT chassis.
7. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode.

TEST SETUP



TEST ENVIRONMENT

Temperature	23.5°C	Relative Humidity	52.8%
Atmosphere Pressure	101kPa		

TEST DATE / ENGINEER

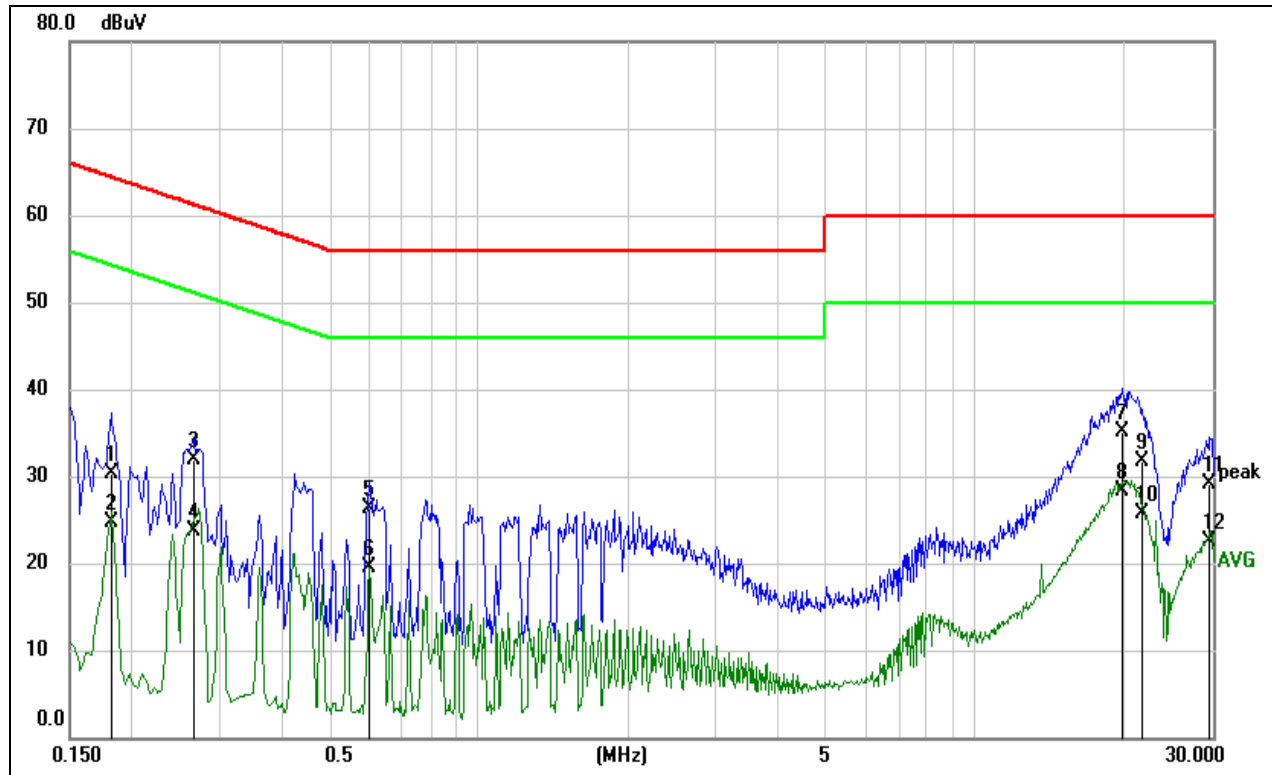
Test Date	February 28, 2024	Test By	Wite Chen
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TEST MODE

Pre-test Mode:	M01
Final Test Mode:	M01

TEST RESULTS

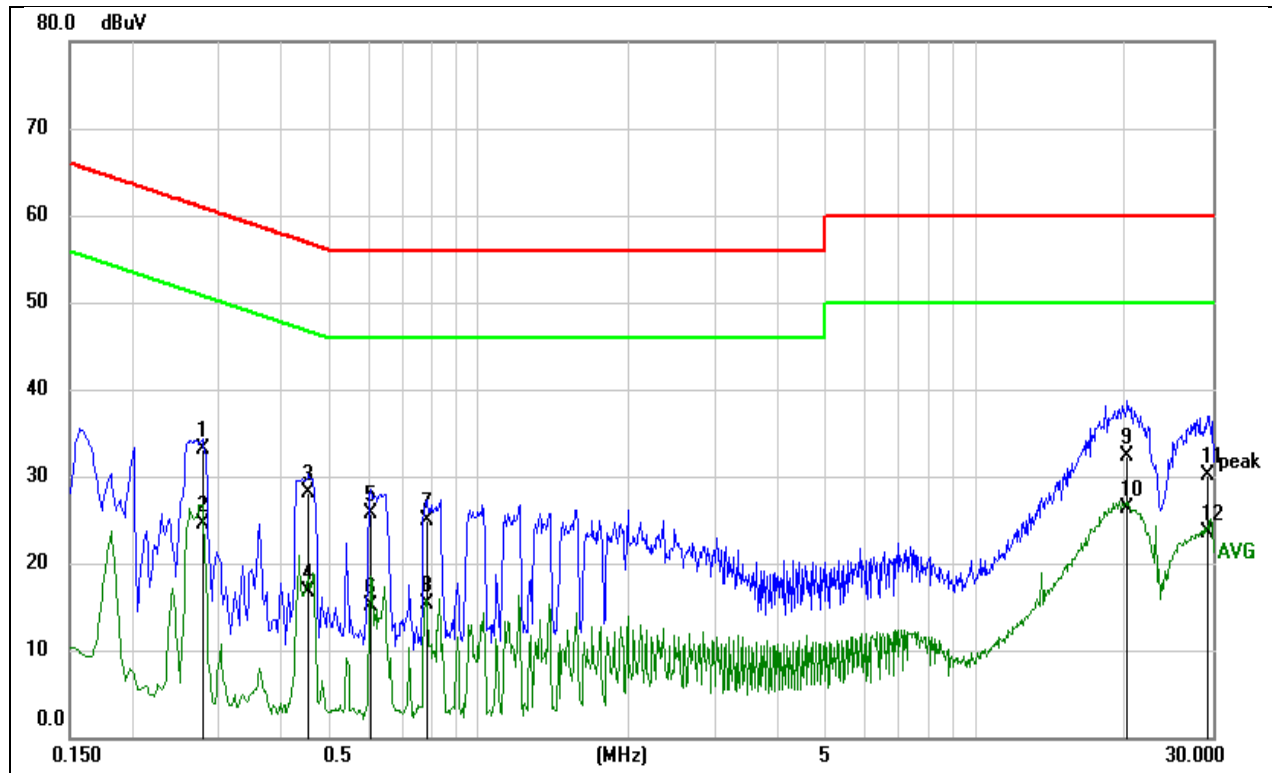
Test Mode:	M01	Line:	Line
Test Voltage:	AC 120V_60Hz	Model:	MDX-20L-100-277



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1814	20.67	9.59	30.26	64.42	-34.16	QP
2	0.1814	15.05	9.59	24.64	54.42	-29.78	AVG
3	0.2686	22.40	9.59	31.99	61.16	-29.17	QP
4	0.2686	14.17	9.59	23.76	51.16	-27.40	AVG
5	0.6041	16.75	9.60	26.35	56.00	-29.65	QP
6	0.6041	9.98	9.60	19.58	46.00	-26.42	AVG
7	19.6024	25.19	9.83	35.02	60.00	-24.98	QP
8	19.6024	18.51	9.83	28.34	50.00	-21.66	AVG
9	21.6547	21.80	9.83	31.63	60.00	-28.37	QP
10	21.6547	15.93	9.83	25.76	50.00	-24.24	AVG
11	29.6932	19.31	9.70	29.01	60.00	-30.99	QP
12	29.6932	12.88	9.70	22.58	50.00	-27.42	AVG

Remark: Result = Reading + Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

Test Mode:	M01	Line:	Neutral
Test Voltage:	AC 120V_60Hz	Model:	MDX-20L-100-277

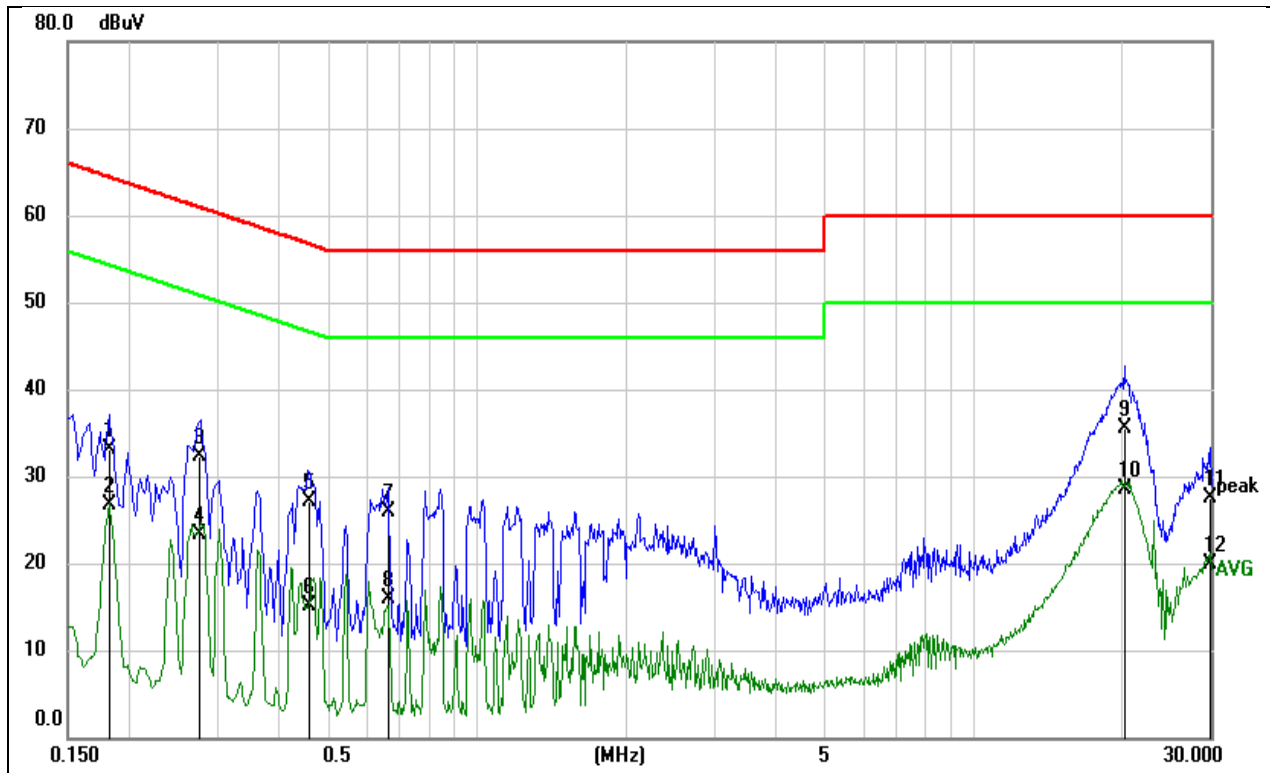


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2793	23.44	9.59	33.03	60.84	-27.81	QP
2	0.2793	14.87	9.59	24.46	50.84	-26.38	AVG
3	0.4539	18.41	9.60	28.01	56.80	-28.79	QP
4	0.4539	7.11	9.60	16.71	46.80	-30.09	AVG
5	0.6060	16.12	9.60	25.72	56.00	-30.28	QP
6	0.6060	5.52	9.60	15.12	46.00	-30.88	AVG
7	0.7866	15.29	9.60	24.89	56.00	-31.11	QP
8	0.7866	5.72	9.60	15.32	46.00	-30.68	AVG
9	20.2357	22.54	9.84	32.38	60.00	-27.62	QP
10	20.2357	16.43	9.84	26.27	50.00	-23.73	AVG
11	29.3113	20.35	9.70	30.05	60.00	-29.95	QP
12	29.3113	13.87	9.70	23.57	50.00	-26.43	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)

Margin = Result - Limit

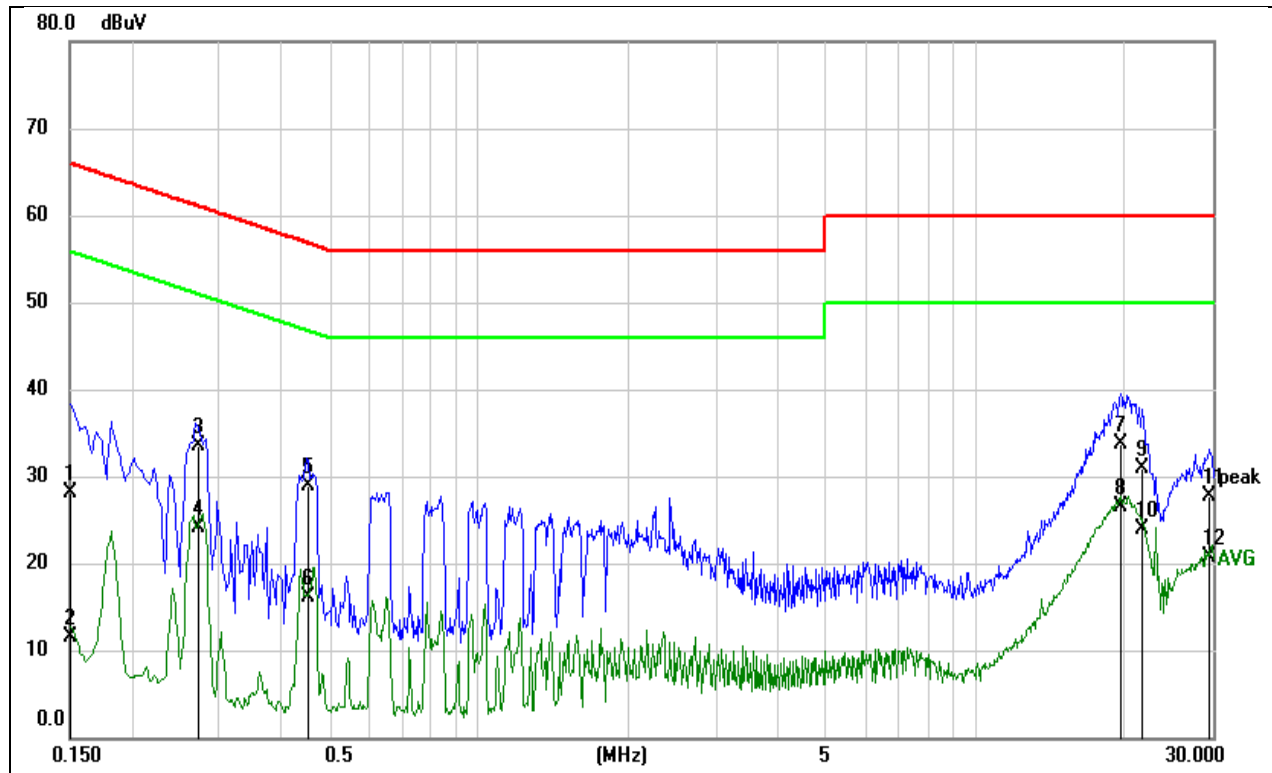
Test Mode:	M01	Line:	Line
Test Voltage:	AC 277V_60Hz	Model:	MDX-20L-100-277



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1814	23.51	9.59	33.10	64.42	-31.32	QP
2	0.1814	17.17	9.59	26.76	54.42	-27.66	AVG
3	0.2756	22.73	9.59	32.32	60.95	-28.63	QP
4	0.2756	13.73	9.59	23.32	50.95	-27.63	AVG
5	0.4596	17.45	9.60	27.05	56.70	-29.65	QP
6	0.4596	5.47	9.60	15.07	46.70	-31.63	AVG
7	0.6636	16.35	9.60	25.95	56.00	-30.05	QP
8	0.6636	6.35	9.60	15.95	46.00	-30.05	AVG
9	20.1254	25.73	9.84	35.57	60.00	-24.43	QP
10	20.1254	18.64	9.84	28.48	50.00	-21.52	AVG
11	29.9574	17.92	9.68	27.60	60.00	-32.40	QP
12	29.9574	10.30	9.68	19.98	50.00	-30.02	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

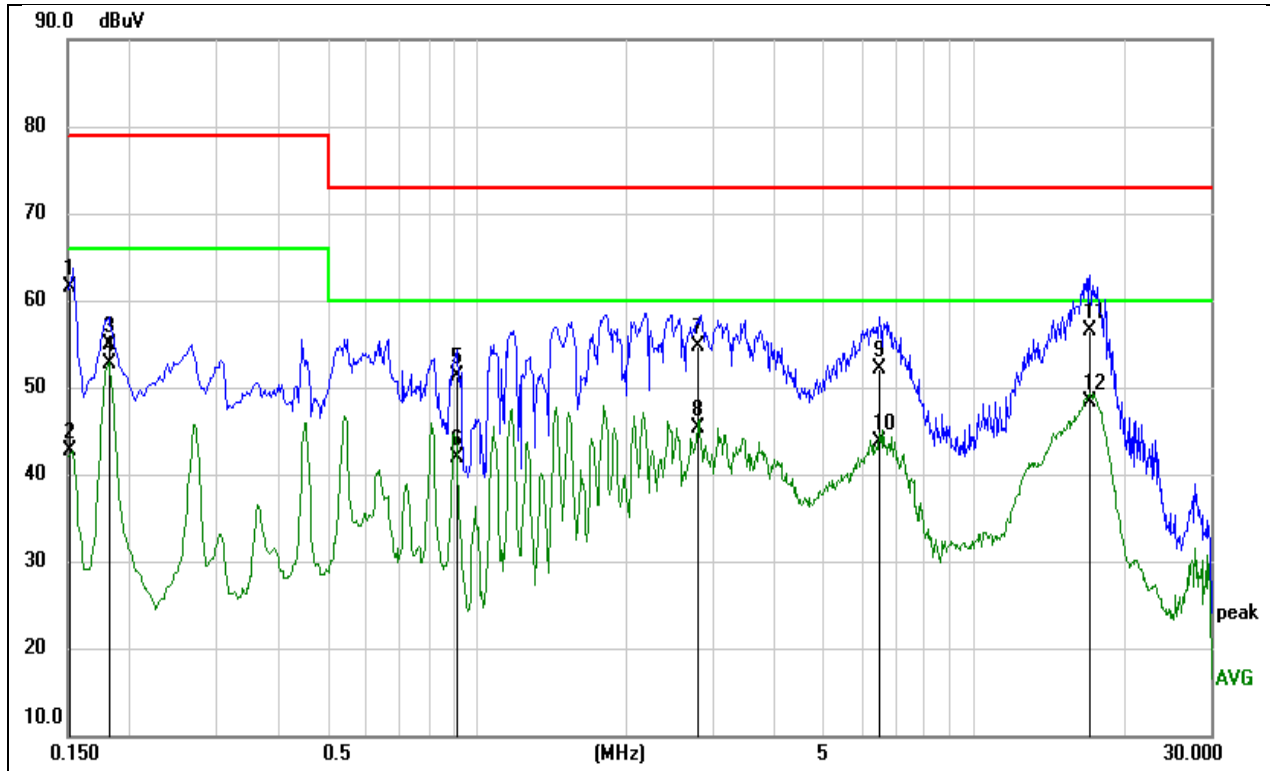
Test Mode:	M01	Line:	Neutral
Test Voltage:	AC 277V_60Hz	Model:	MDX-20L-100-277



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1512	18.61	9.59	28.20	65.93	-37.73	QP
2	0.1512	1.91	9.59	11.50	55.93	-44.43	AVG
3	0.2730	23.82	9.59	33.41	61.03	-27.62	QP
4	0.2730	14.46	9.59	24.05	51.03	-26.98	AVG
5	0.4525	19.25	9.60	28.85	56.83	-27.98	QP
6	0.4525	6.53	9.60	16.13	46.83	-30.70	AVG
7	19.5672	23.78	9.83	33.61	60.00	-26.39	QP
8	19.5672	16.66	9.83	26.49	50.00	-23.51	AVG
9	21.6262	20.99	9.82	30.81	60.00	-29.19	QP
10	21.6262	14.17	9.82	23.99	50.00	-26.01	AVG
11	29.3927	18.04	9.70	27.74	60.00	-32.26	QP
12	29.3927	11.05	9.70	20.75	50.00	-29.25	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

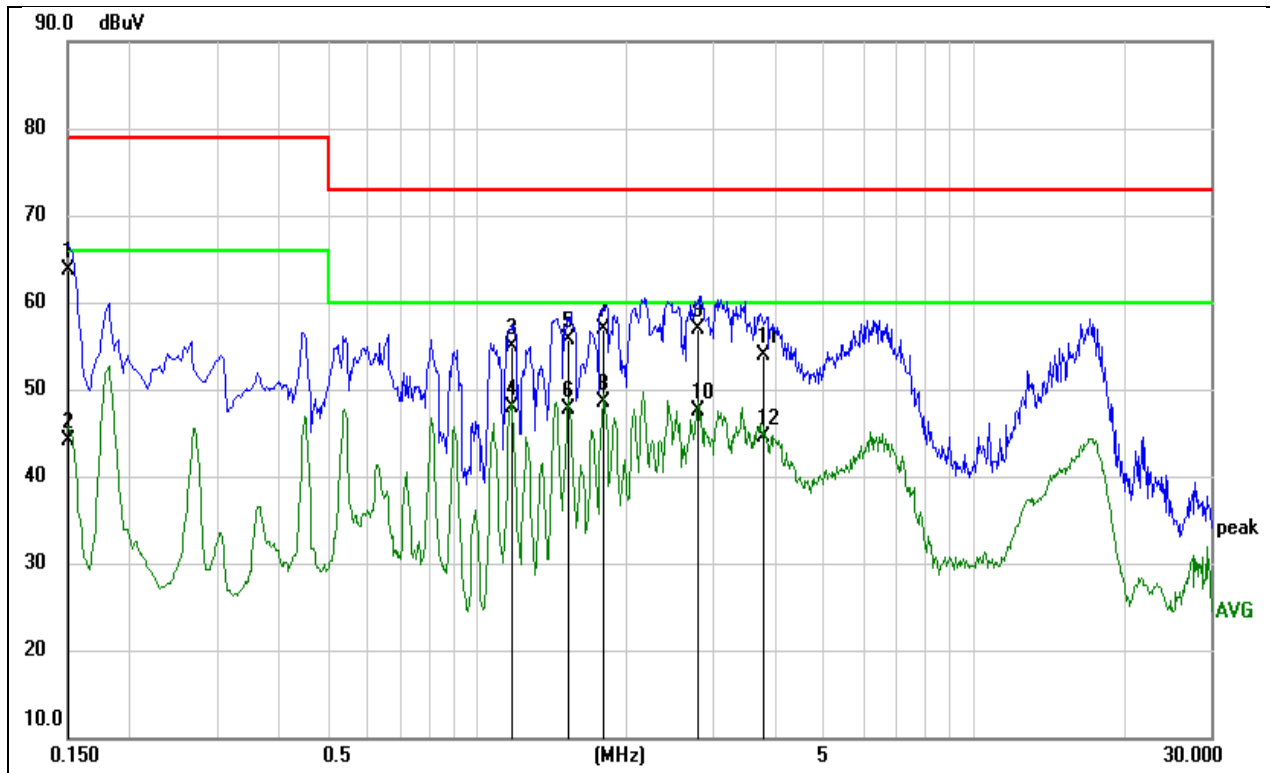
Test Mode:	M01	Line:	Line
Test Voltage:	AC 347V_60Hz	Model:	MDX-20L-347-480



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1515	61.26	0.24	61.50	79.00	-17.50	QP
2	0.1515	42.38	0.24	42.62	66.00	-23.38	AVG
3	0.1811	54.76	0.24	55.00	79.00	-24.00	QP
4	0.1811	52.41	0.24	52.65	66.00	-13.35	AVG
5	0.9130	51.07	0.25	51.32	73.00	-21.68	QP
6	0.9130	41.65	0.25	41.90	60.00	-18.10	AVG
7	2.7931	54.36	0.28	54.64	73.00	-18.36	QP
8	2.7931	45.04	0.28	45.32	60.00	-14.68	AVG
9	6.4860	51.85	0.34	52.19	73.00	-20.81	QP
10	6.4860	43.33	0.34	43.67	60.00	-16.33	AVG
11	17.1381	55.90	0.51	56.41	73.00	-16.59	QP
12	17.1381	47.76	0.51	48.27	60.00	-11.73	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

Test Mode:	M01	Line:	Neutral
Test Voltage:	AC 347V_60Hz	Model:	MDX-20L-347-480

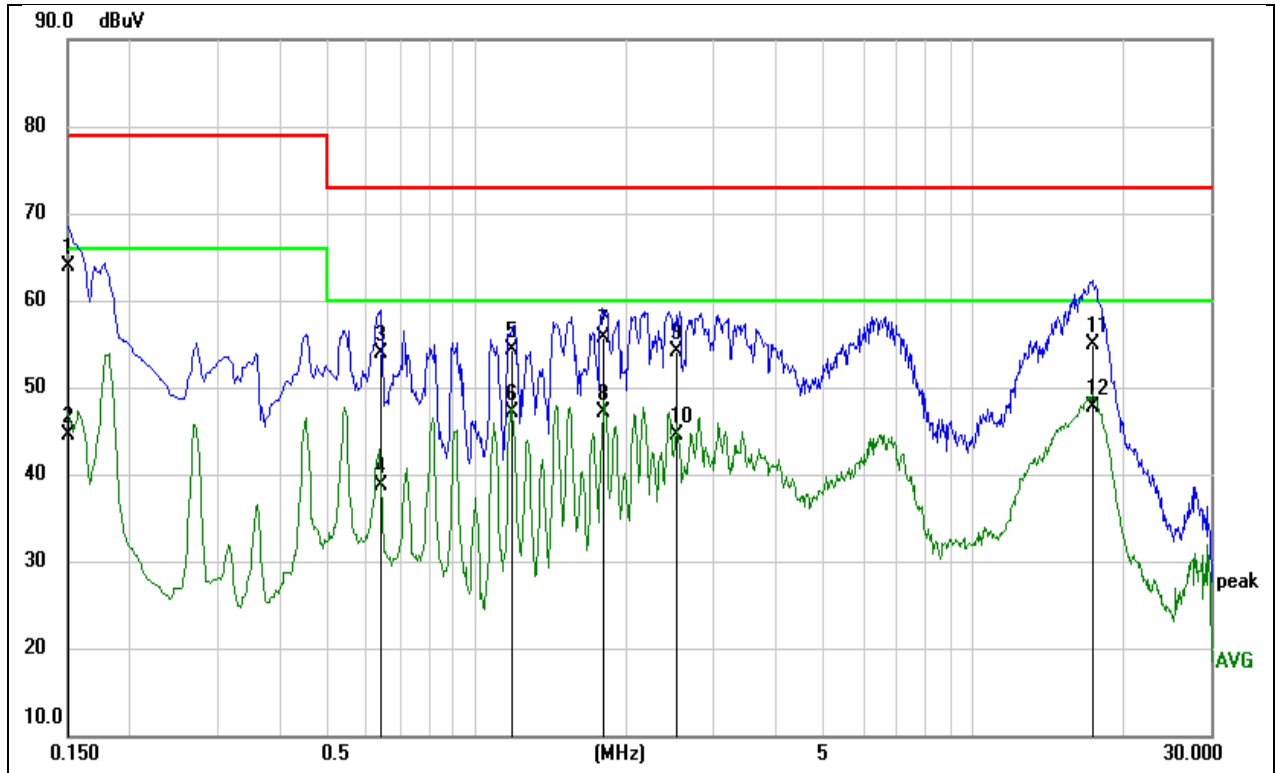


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1508	63.52	0.24	63.76	79.00	-15.24	QP
2	0.1508	43.83	0.24	44.07	66.00	-21.93	AVG
3	1.1709	54.72	0.26	54.98	73.00	-18.02	QP
4	1.1709	47.56	0.26	47.82	60.00	-12.18	AVG
5	1.5314	55.36	0.26	55.62	73.00	-17.38	QP
6	1.5314	47.39	0.26	47.65	60.00	-12.35	AVG
7	1.8000	56.69	0.27	56.96	73.00	-16.04	QP
8	1.8000	48.26	0.27	48.53	60.00	-11.47	AVG
9	2.7911	56.65	0.28	56.93	73.00	-16.07	QP
10	2.7911	47.30	0.28	47.58	60.00	-12.42	AVG
11	3.7841	53.61	0.30	53.91	73.00	-19.09	QP
12	3.7841	44.15	0.30	44.45	60.00	-15.55	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)

Margin = Result - Limit

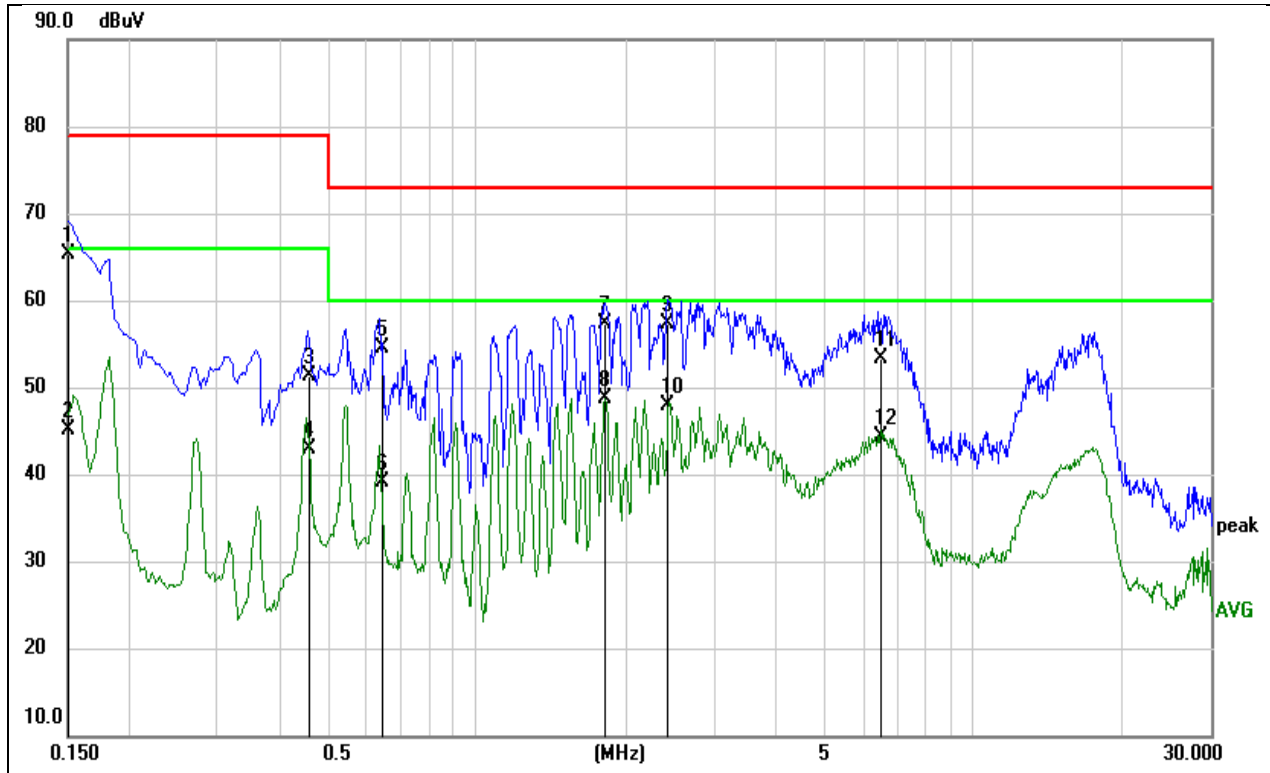
Test Mode:	M01	Line:	Line
Test Voltage:	AC 480V_60Hz	Model:	MDX-20L-347-480



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1508	63.71	0.24	63.95	79.00	-15.05	QP
2	0.1508	44.30	0.24	44.54	66.00	-21.46	AVG
3	0.6404	53.73	0.25	53.98	73.00	-19.02	QP
4	0.6404	38.53	0.25	38.78	60.00	-21.22	AVG
5	1.1737	54.07	0.26	54.33	73.00	-18.67	QP
6	1.1737	46.88	0.26	47.14	60.00	-12.86	AVG
7	1.8038	55.34	0.27	55.61	73.00	-17.39	QP
8	1.8038	46.83	0.27	47.10	60.00	-12.90	AVG
9	2.5254	53.87	0.28	54.15	73.00	-18.85	QP
10	2.5254	44.16	0.28	44.44	60.00	-15.56	AVG
11	17.3771	54.40	0.51	54.91	73.00	-18.09	QP
12	17.3771	47.18	0.51	47.69	60.00	-12.31	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

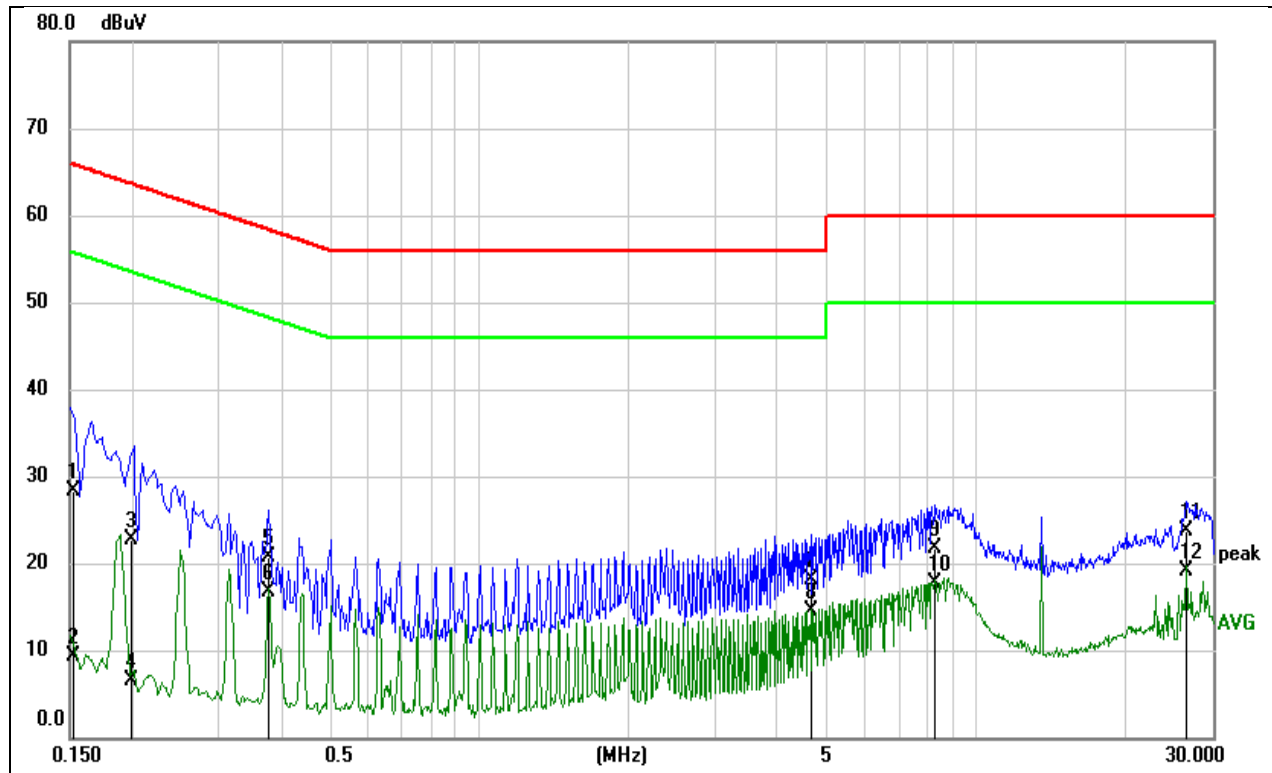
Test Mode:	M01	Line:	Neutral
Test Voltage:	AC 480V_60Hz	Model:	MDX-20L-347-480



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1512	65.02	0.24	65.26	79.00	-13.74	QP
2	0.1512	44.96	0.24	45.20	66.00	-20.80	AVG
3	0.4587	50.99	0.24	51.23	79.00	-27.77	QP
4	0.4587	42.68	0.24	42.92	66.00	-23.08	AVG
5	0.6424	54.33	0.25	54.58	73.00	-18.42	QP
6	0.6424	38.85	0.25	39.10	60.00	-20.90	AVG
7	1.8088	57.04	0.27	57.31	73.00	-15.69	QP
8	1.8088	48.50	0.27	48.77	60.00	-11.23	AVG
9	2.4414	56.94	0.28	57.22	73.00	-15.78	QP
10	2.4414	47.61	0.28	47.89	60.00	-12.11	AVG
11	6.5083	52.89	0.34	53.23	73.00	-19.77	QP
12	6.5083	44.00	0.34	44.34	60.00	-15.66	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

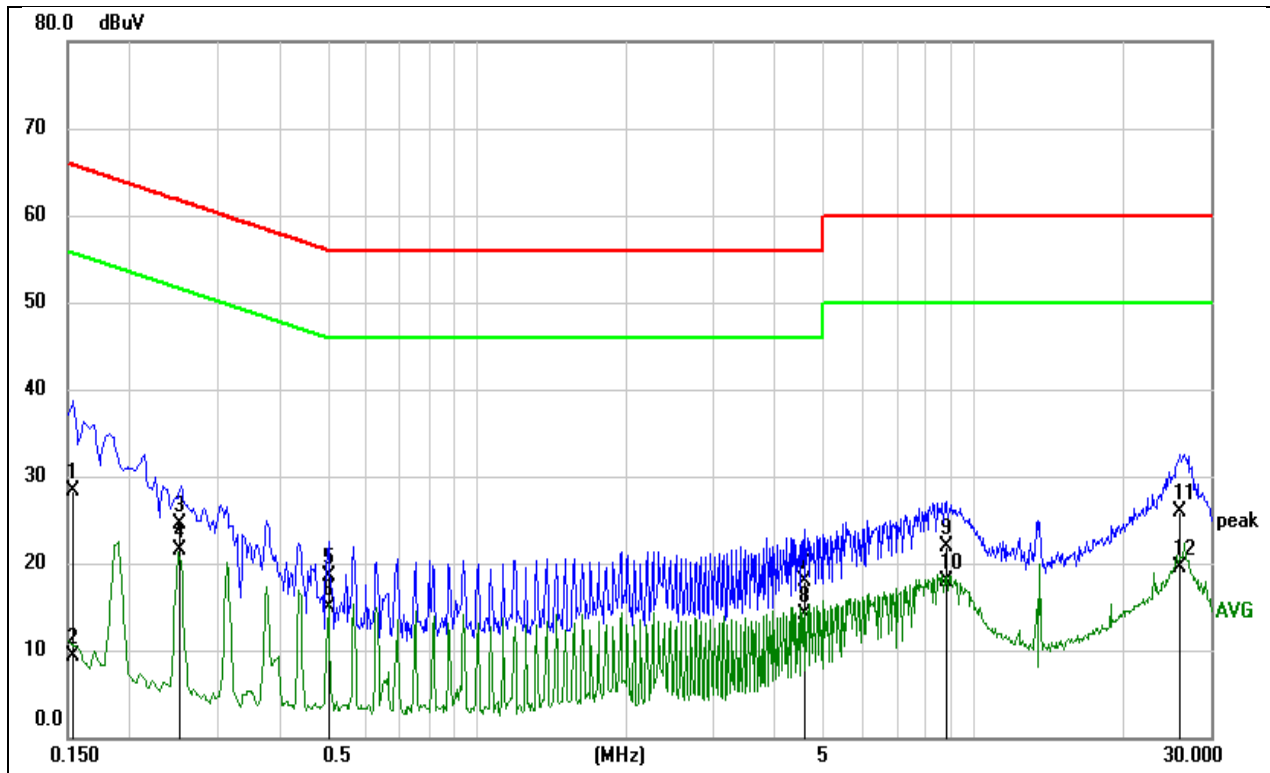
Test Mode:	M01	Line:	Line
Test Voltage:	AC 120V_60Hz	Model:	MDX-40L-100-277



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1529	18.73	9.59	28.32	65.84	-37.52	QP
2	0.1529	-0.21	9.59	9.38	55.84	-46.46	AVG
3	0.1988	13.08	9.59	22.67	63.66	-40.99	QP
4	0.1988	-3.11	9.59	6.48	53.66	-47.18	AVG
5	0.3772	11.16	9.59	20.75	58.34	-37.59	QP
6	0.3772	7.12	9.59	16.71	48.34	-31.63	AVG
7	4.6549	8.45	9.71	18.16	56.00	-37.84	QP
8	4.6549	4.82	9.71	14.53	46.00	-31.47	AVG
9	8.3046	12.02	9.71	21.73	60.00	-38.27	QP
10	8.3046	8.02	9.71	17.73	50.00	-32.27	AVG
11	26.6089	13.94	9.74	23.68	60.00	-36.32	QP
12	26.6089	9.33	9.74	19.07	50.00	-30.93	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

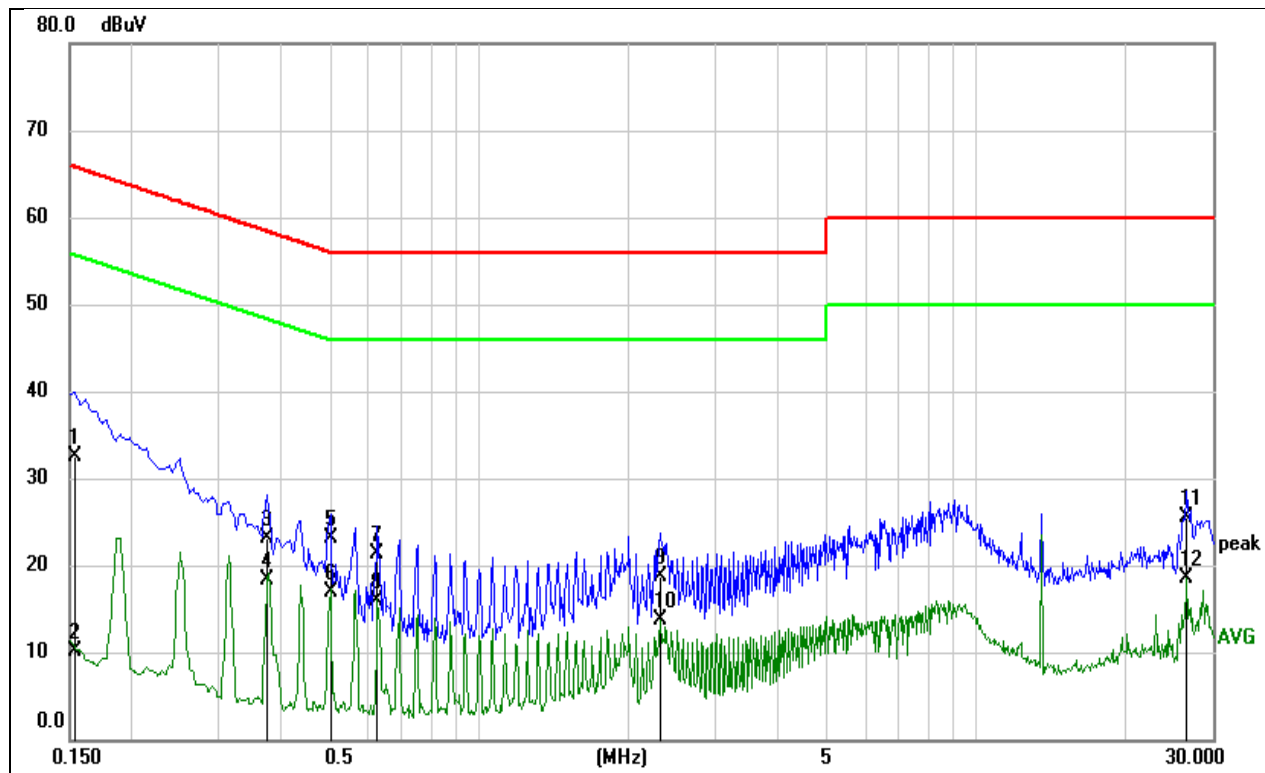
Test Mode:	M01	Line:	Neutral
Test Voltage:	AC 120V_60Hz	Model:	MDX-40L-100-277



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1530	18.64	9.59	28.23	65.84	-37.61	QP
2	0.1530	-0.32	9.59	9.27	55.84	-46.57	AVG
3	0.2515	14.88	9.59	24.47	61.71	-37.24	QP
4	0.2515	11.99	9.59	21.58	51.71	-30.13	AVG
5	0.5033	8.88	9.60	18.48	56.00	-37.52	QP
6	0.5033	5.33	9.60	14.93	46.00	-31.07	AVG
7	4.5888	8.12	9.71	17.83	56.00	-38.17	QP
8	4.5888	4.47	9.71	14.18	46.00	-31.82	AVG
9	8.8020	12.22	9.71	21.93	60.00	-38.07	QP
10	8.8020	8.13	9.71	17.84	50.00	-32.16	AVG
11	25.9983	16.18	9.73	25.91	60.00	-34.09	QP
12	25.9983	9.84	9.73	19.57	50.00	-30.43	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

Test Mode:	M01	Line:	Line
Test Voltage:	AC 277V_60Hz	Model:	MDX-40L-100-277

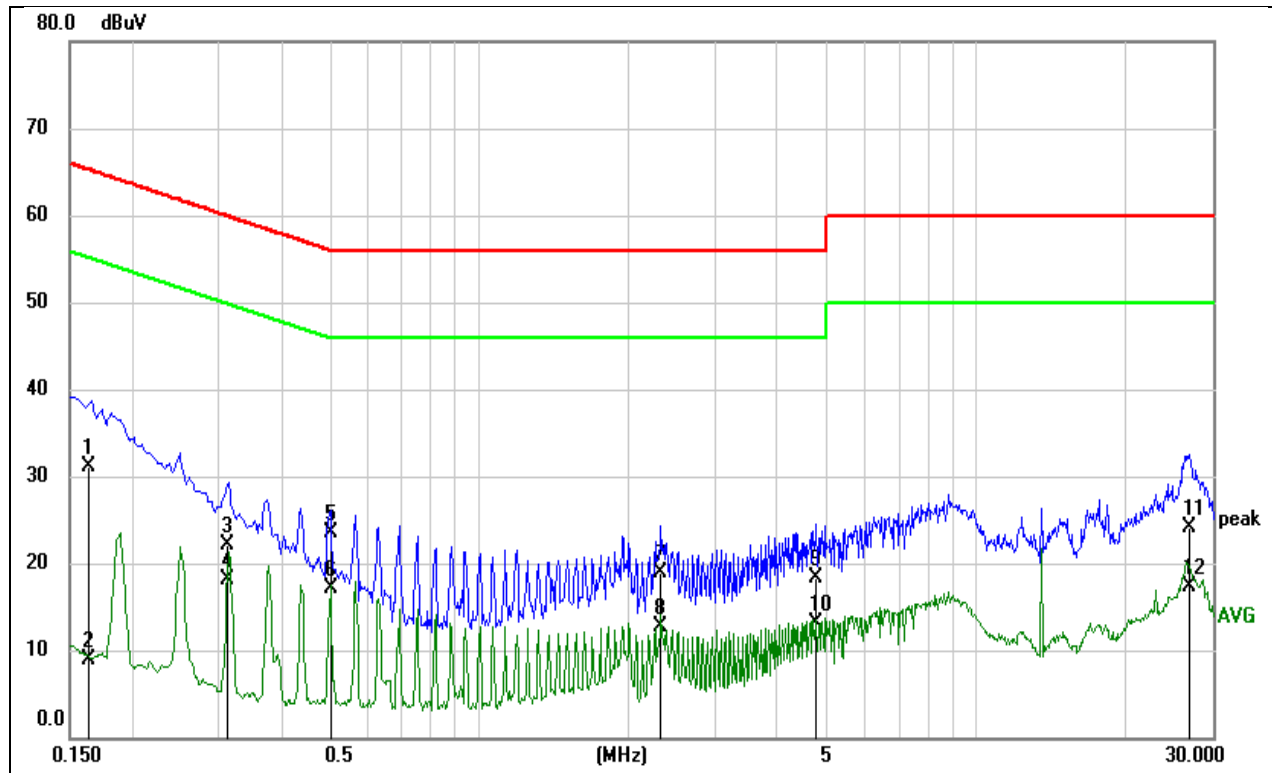


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1527	22.82	9.59	32.41	65.85	-33.44	QP
2	0.1527	0.57	9.59	10.16	55.85	-45.69	AVG
3	0.3743	13.46	9.59	23.05	58.40	-35.35	QP
4	0.3743	8.66	9.59	18.25	48.40	-30.15	AVG
5	0.5026	13.42	9.60	23.02	56.00	-32.98	QP
6	0.5026	7.29	9.60	16.89	46.00	-29.11	AVG
7	0.6274	11.71	9.60	21.31	56.00	-34.69	QP
8	0.6274	6.37	9.60	15.97	46.00	-30.03	AVG
9	2.3224	9.08	9.65	18.73	56.00	-37.27	QP
10	2.3224	4.09	9.65	13.74	46.00	-32.26	AVG
11	26.6088	15.84	9.74	25.58	60.00	-34.42	QP
12	26.6088	8.73	9.74	18.47	50.00	-31.53	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)

Margin = Result - Limit

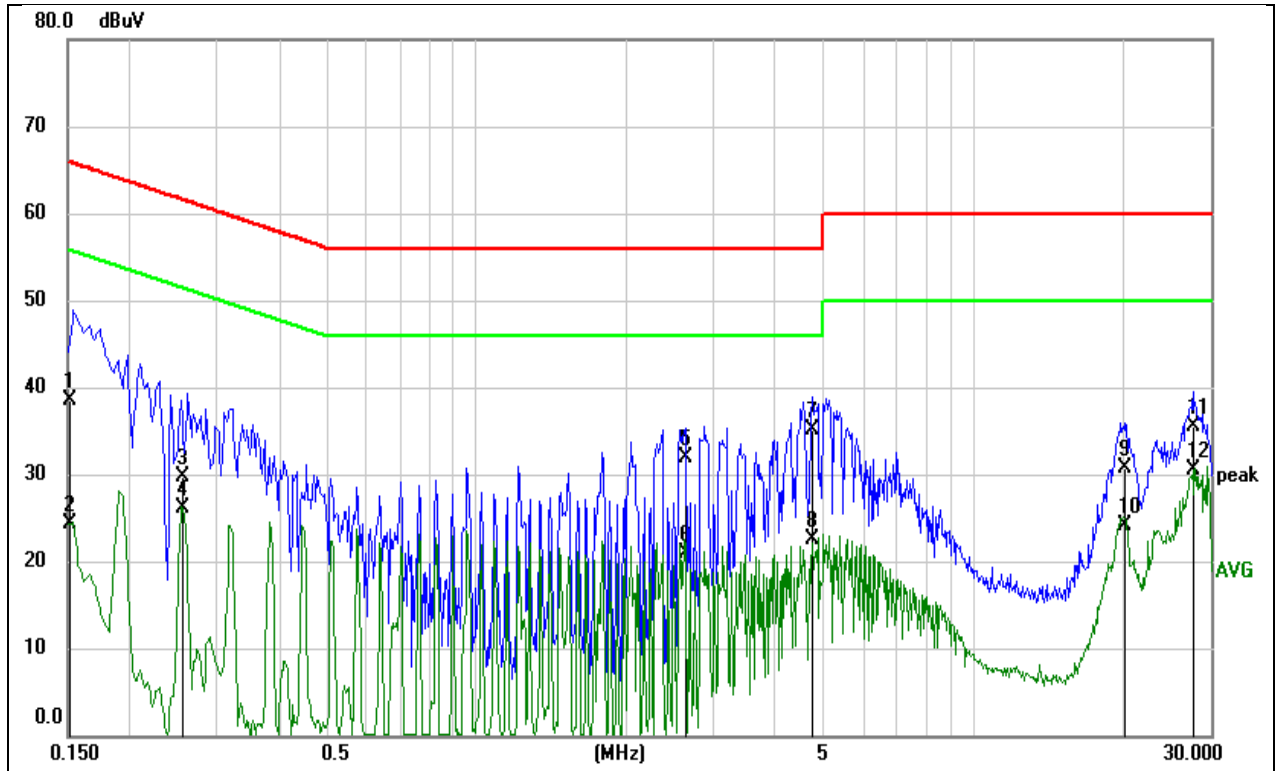
Test Mode:	M01	Line:	Neutral
Test Voltage:	AC 277V_60Hz	Model:	MDX-40L-100-277



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1638	21.45	9.59	31.04	65.27	-34.23	QP
2	0.1638	-0.78	9.59	8.81	55.27	-46.46	AVG
3	0.3110	12.59	9.59	22.18	59.94	-37.76	QP
4	0.3110	8.44	9.59	18.03	49.94	-31.91	AVG
5	0.5022	13.85	9.60	23.45	56.00	-32.55	QP
6	0.5022	7.42	9.60	17.02	46.00	-28.98	AVG
7	2.3260	9.31	9.65	18.96	56.00	-37.04	QP
8	2.3260	3.03	9.65	12.68	46.00	-33.32	AVG
9	4.7788	8.68	9.71	18.39	56.00	-37.61	QP
10	4.7788	3.35	9.71	13.06	46.00	-32.94	AVG
11	26.9136	14.36	9.74	24.10	60.00	-35.90	QP
12	26.9136	7.54	9.74	17.28	50.00	-32.72	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

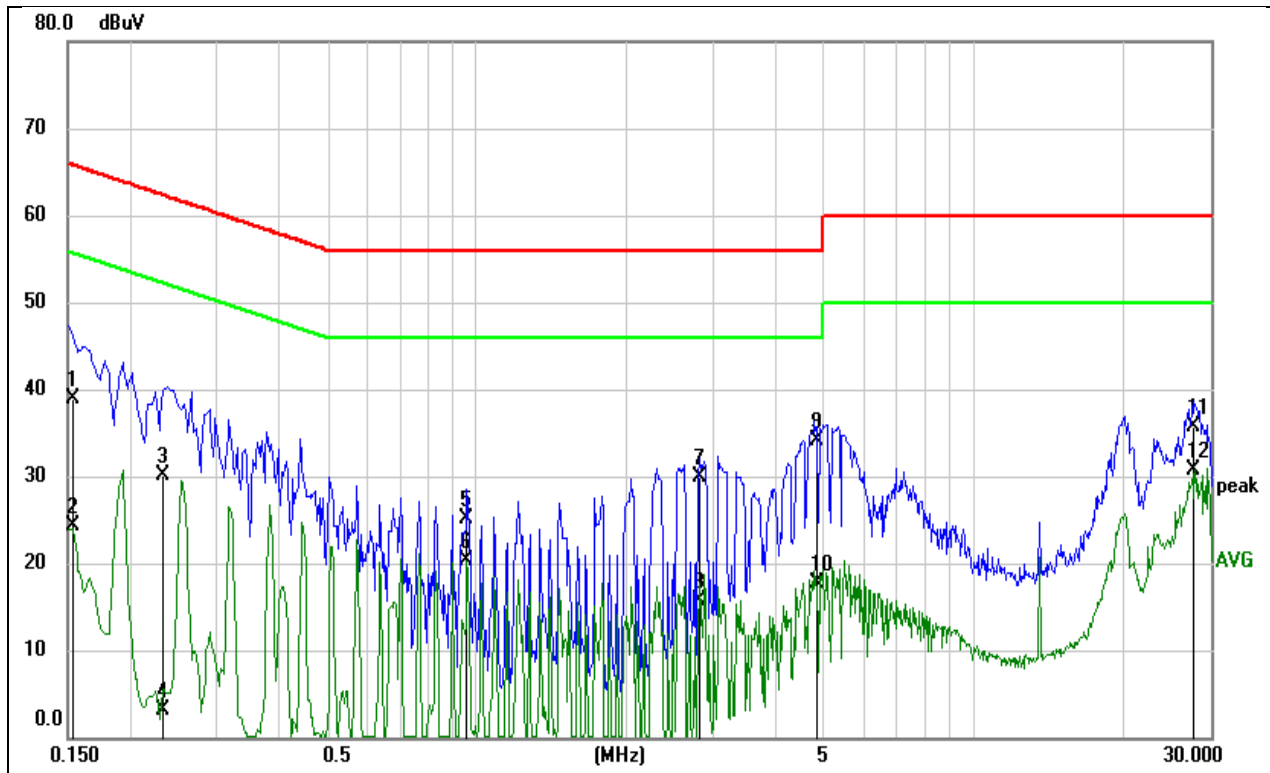
Test Mode:	M01	Line:	Line
Test Voltage:	AC 347V_60Hz	Model:	MDX-40L-347-480



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1510	38.25	0.24	38.49	65.94	-27.45	QP
2	0.1510	23.97	0.24	24.21	55.94	-31.73	AVG
3	0.2571	29.40	0.24	29.64	61.52	-31.88	QP
4	0.2571	25.84	0.24	26.08	51.52	-25.44	AVG
5	2.6242	31.69	0.28	31.97	56.00	-24.03	QP
6	2.6242	20.61	0.28	20.89	46.00	-25.11	AVG
7	4.7343	34.79	0.31	35.10	56.00	-20.90	QP
8	4.7343	22.14	0.31	22.45	46.00	-23.55	AVG
9	20.2079	30.05	0.56	30.61	60.00	-29.39	QP
10	20.2079	23.57	0.56	24.13	50.00	-25.87	AVG
11	27.7014	34.93	0.67	35.60	60.00	-24.40	QP
12	27.7014	29.87	0.67	30.54	50.00	-19.46	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

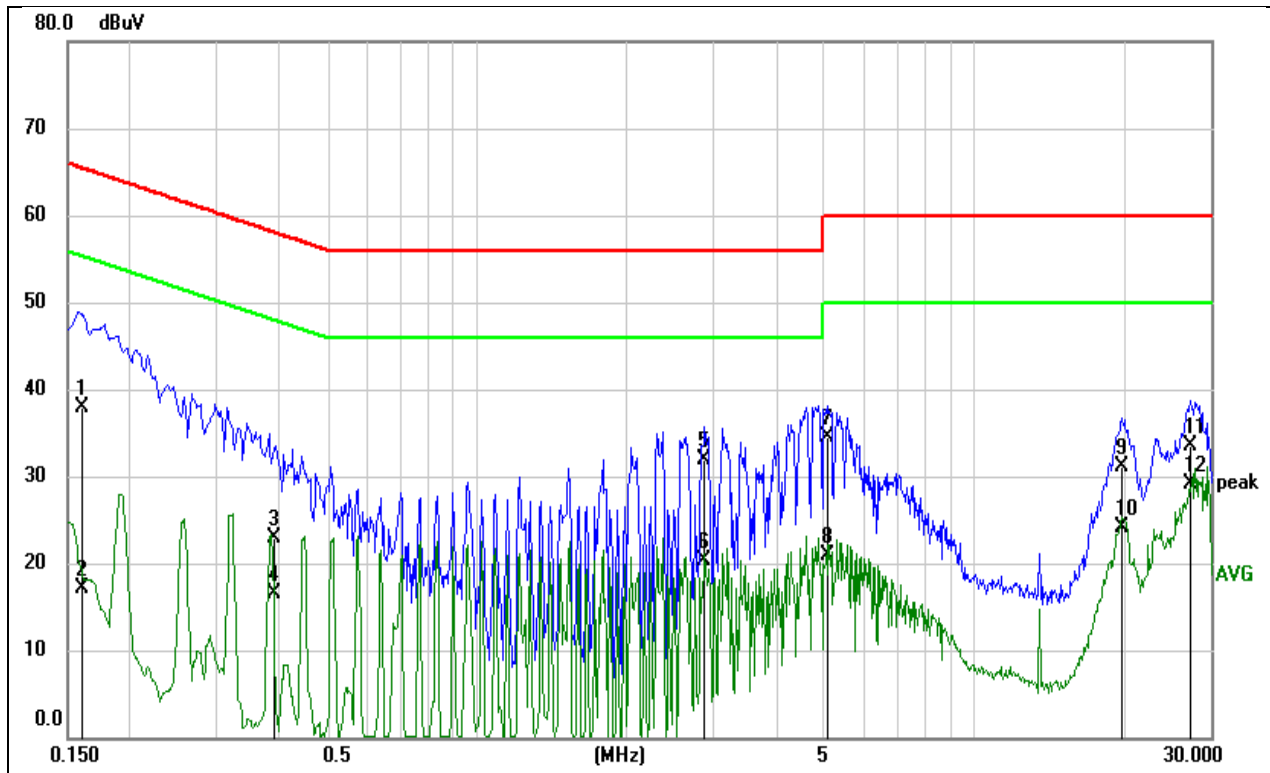
Test Mode:	M01	Line:	Neutral
Test Voltage:	AC 347V_60Hz	Model:	MDX-40L-347-480



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1534	38.66	0.24	38.90	65.81	-26.91	QP
2	0.1534	23.97	0.24	24.21	55.81	-31.60	AVG
3	0.2339	29.80	0.24	30.04	62.31	-32.27	QP
4	0.2339	2.92	0.24	3.16	52.31	-49.15	AVG
5	0.9604	24.90	0.25	25.15	56.00	-30.85	QP
6	0.9604	20.12	0.25	20.37	46.00	-25.63	AVG
7	2.8246	29.61	0.28	29.89	56.00	-26.11	QP
8	2.8246	15.33	0.28	15.61	46.00	-30.39	AVG
9	4.8281	33.81	0.31	34.12	56.00	-21.88	QP
10	4.8281	17.46	0.31	17.77	46.00	-28.23	AVG
11	27.7006	35.11	0.67	35.78	60.00	-24.22	QP
12	27.7006	29.94	0.67	30.61	50.00	-19.39	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

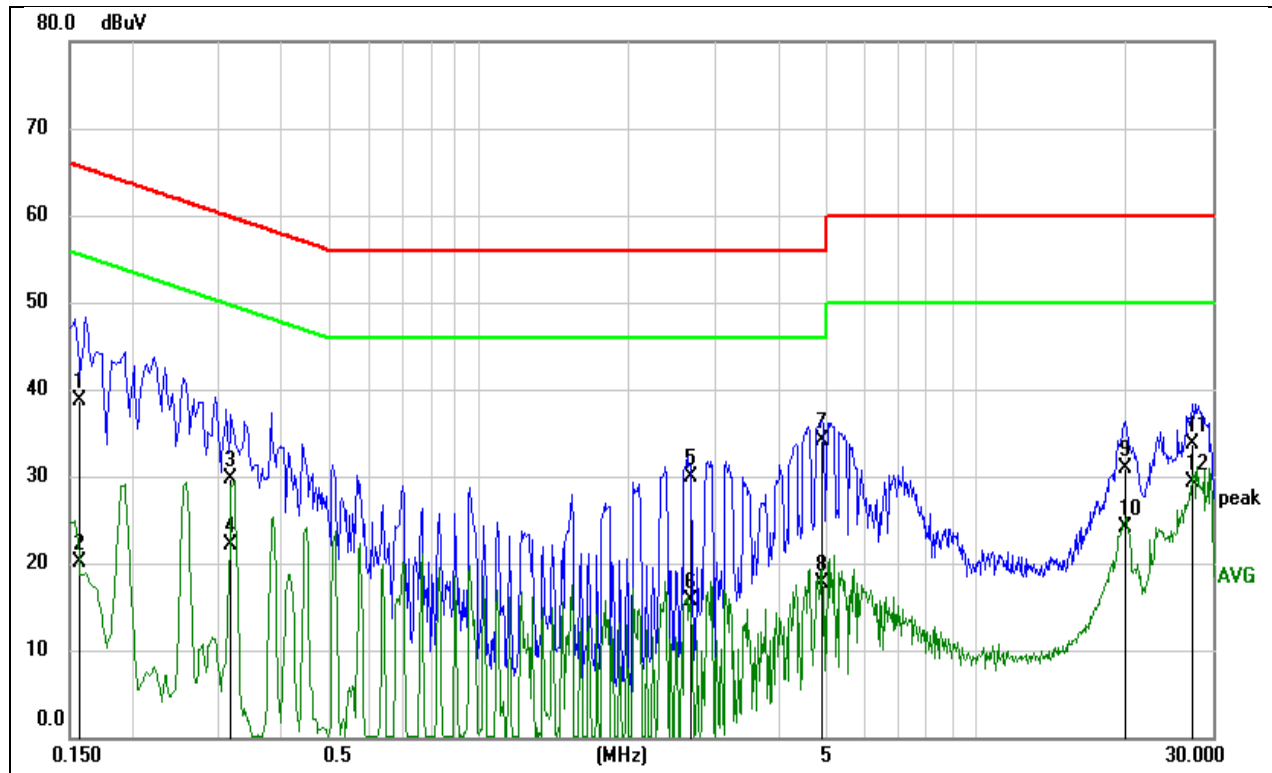
Test Mode:	M01	Line:	Line
Test Voltage:	AC 480V_60Hz	Model:	MDX-40L-347-480



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1598	37.76	0.24	38.00	65.47	-27.47	QP
2	0.1598	16.84	0.24	17.08	55.47	-38.39	AVG
3	0.3895	22.64	0.24	22.88	58.07	-35.19	QP
4	0.3895	16.24	0.24	16.48	48.07	-31.59	AVG
5	2.8828	31.62	0.28	31.90	56.00	-24.10	QP
6	2.8828	19.93	0.28	20.21	46.00	-25.79	AVG
7	5.0603	34.17	0.32	34.49	60.00	-25.51	QP
8	5.0603	20.50	0.32	20.82	50.00	-29.18	AVG
9	19.9258	30.61	0.55	31.16	60.00	-28.84	QP
10	19.9258	23.63	0.55	24.18	50.00	-25.82	AVG
11	27.3083	32.89	0.67	33.56	60.00	-26.44	QP
12	27.3083	28.47	0.67	29.14	50.00	-20.86	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

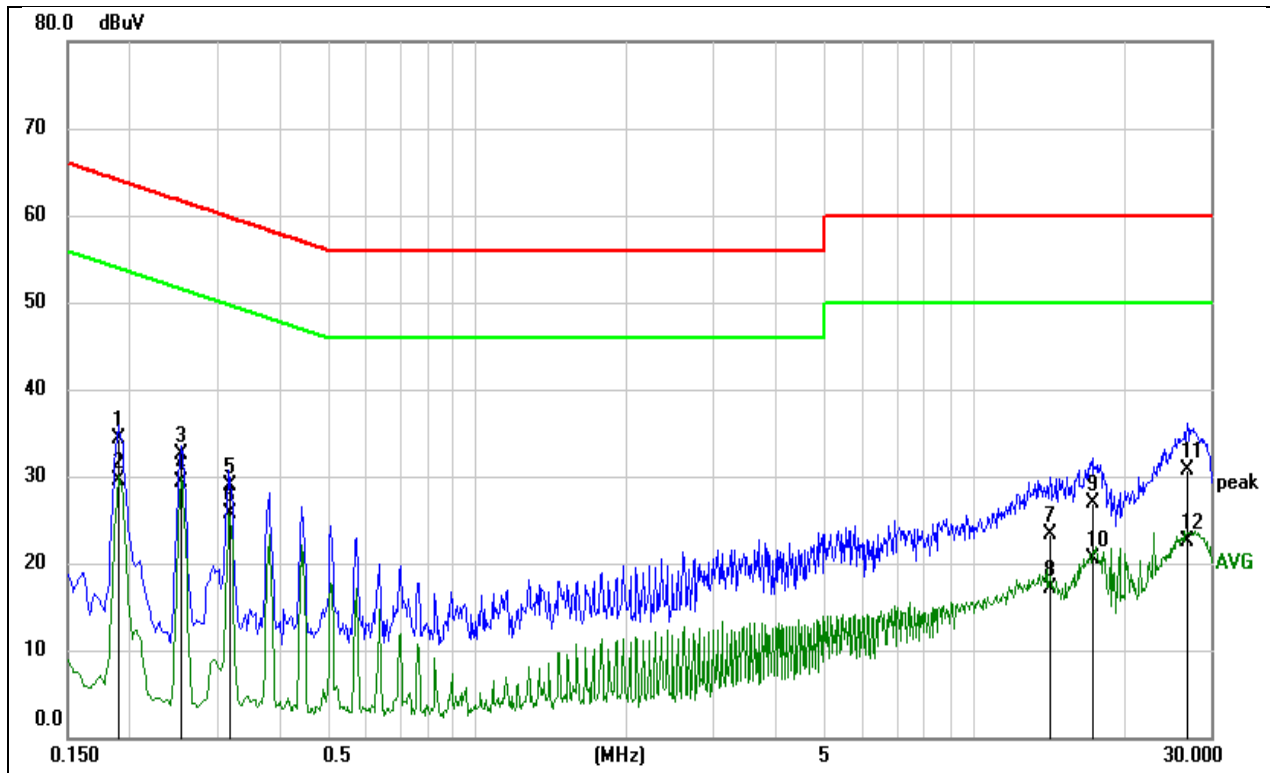
Test Mode:	M01	Line:	Neutral
Test Voltage:	AC 480V_60Hz	Model:	MDX-40L-347-480



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1570	38.53	0.24	38.77	65.62	-26.85	QP
2	0.1570	19.85	0.24	20.09	55.62	-35.53	AVG
3	0.3150	29.47	0.24	29.71	59.84	-30.13	QP
4	0.3150	21.93	0.24	22.17	49.84	-27.67	AVG
5	2.6657	29.56	0.28	29.84	56.00	-26.16	QP
6	2.6657	15.49	0.28	15.77	46.00	-30.23	AVG
7	4.9096	33.79	0.31	34.10	56.00	-21.90	QP
8	4.9096	17.42	0.31	17.73	46.00	-28.27	AVG
9	20.0629	30.37	0.55	30.92	60.00	-29.08	QP
10	20.0629	23.55	0.55	24.10	50.00	-25.90	AVG
11	27.3056	33.10	0.67	33.77	60.00	-26.23	QP
12	27.3056	28.73	0.67	29.40	50.00	-20.60	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

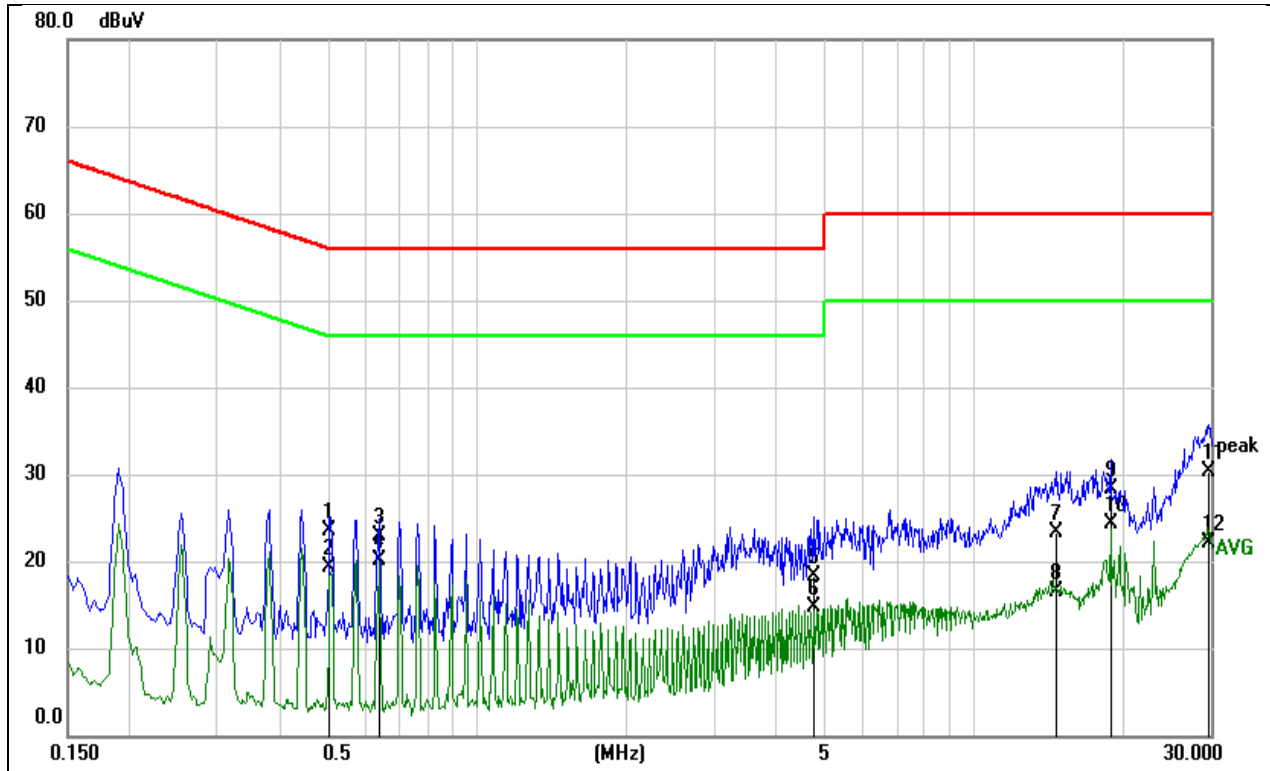
Test Mode:	M01	Line:	Line
Test Voltage:	AC 120V_60Hz	Model:	MDX-50L-100-277



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1904	24.66	9.59	34.25	64.02	-29.77	QP
2	0.1904	19.98	9.59	29.57	54.02	-24.45	AVG
3	0.2546	22.82	9.59	32.41	61.61	-29.20	QP
4	0.2546	19.78	9.59	29.37	51.61	-22.24	AVG
5	0.3184	19.34	9.59	28.93	59.75	-30.82	QP
6	0.3184	16.06	9.59	25.65	49.75	-24.10	AVG
7	14.2439	13.45	9.76	23.21	60.00	-36.79	QP
8	14.2439	7.36	9.76	17.12	50.00	-32.88	AVG
9	17.3013	17.09	9.78	26.87	60.00	-33.13	QP
10	17.3013	10.63	9.78	20.41	50.00	-29.59	AVG
11	26.8529	20.90	9.73	30.63	60.00	-29.37	QP
12	26.8529	12.72	9.73	22.45	50.00	-27.55	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

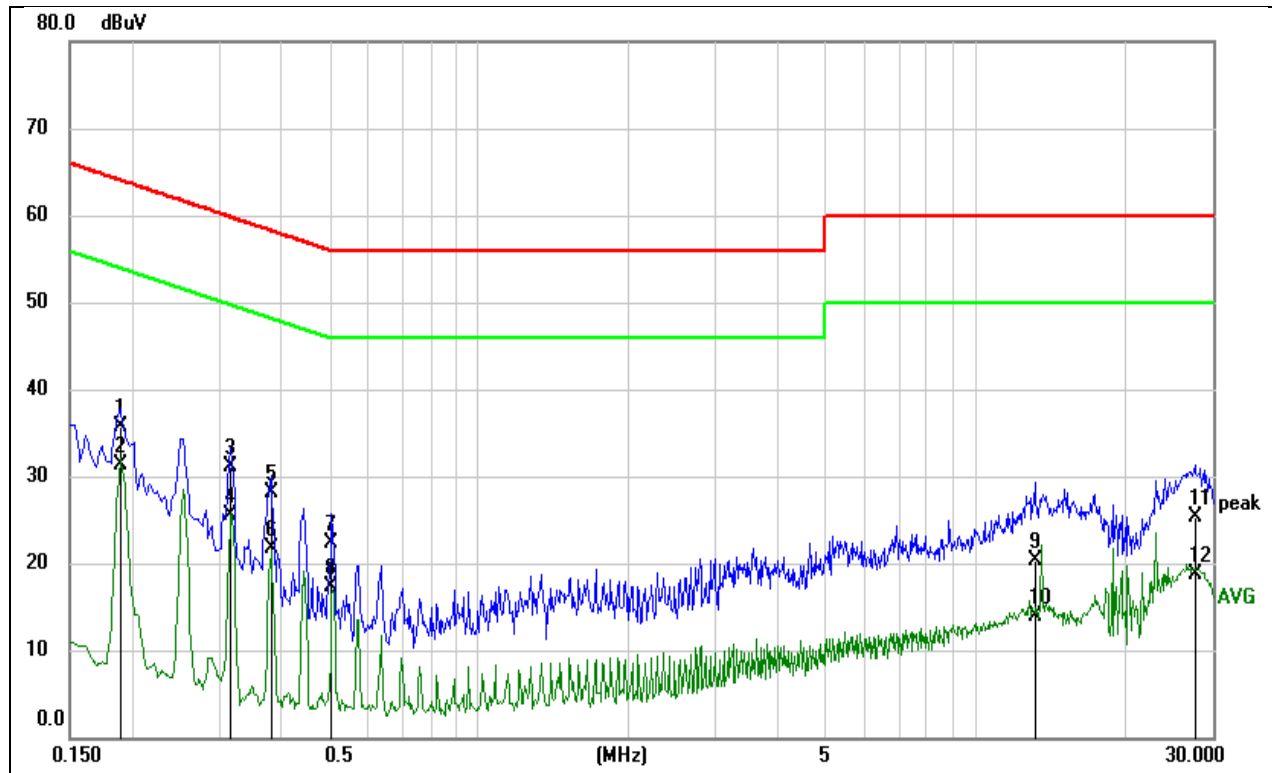
Test Mode:	M01	Line:	Neutral
Test Voltage:	AC 120V_60Hz	Model:	MDX-50L-100-277



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.5082	13.85	9.60	23.45	56.00	-32.55	QP
2	0.5082	9.67	9.60	19.27	46.00	-26.73	AVG
3	0.6347	13.36	9.60	22.96	56.00	-33.04	QP
4	0.6347	10.50	9.60	20.10	46.00	-25.90	AVG
5	4.7655	8.67	9.71	18.38	56.00	-37.62	QP
6	4.7655	4.99	9.71	14.70	46.00	-31.30	AVG
7	14.7327	13.55	9.76	23.31	60.00	-36.69	QP
8	14.7327	6.71	9.76	16.47	50.00	-33.53	AVG
9	18.9149	18.44	9.82	28.26	60.00	-31.74	QP
10	18.9149	14.55	9.82	24.37	50.00	-25.63	AVG
11	29.7424	20.59	9.70	30.29	60.00	-29.71	QP
12	29.7424	12.49	9.70	22.19	50.00	-27.81	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

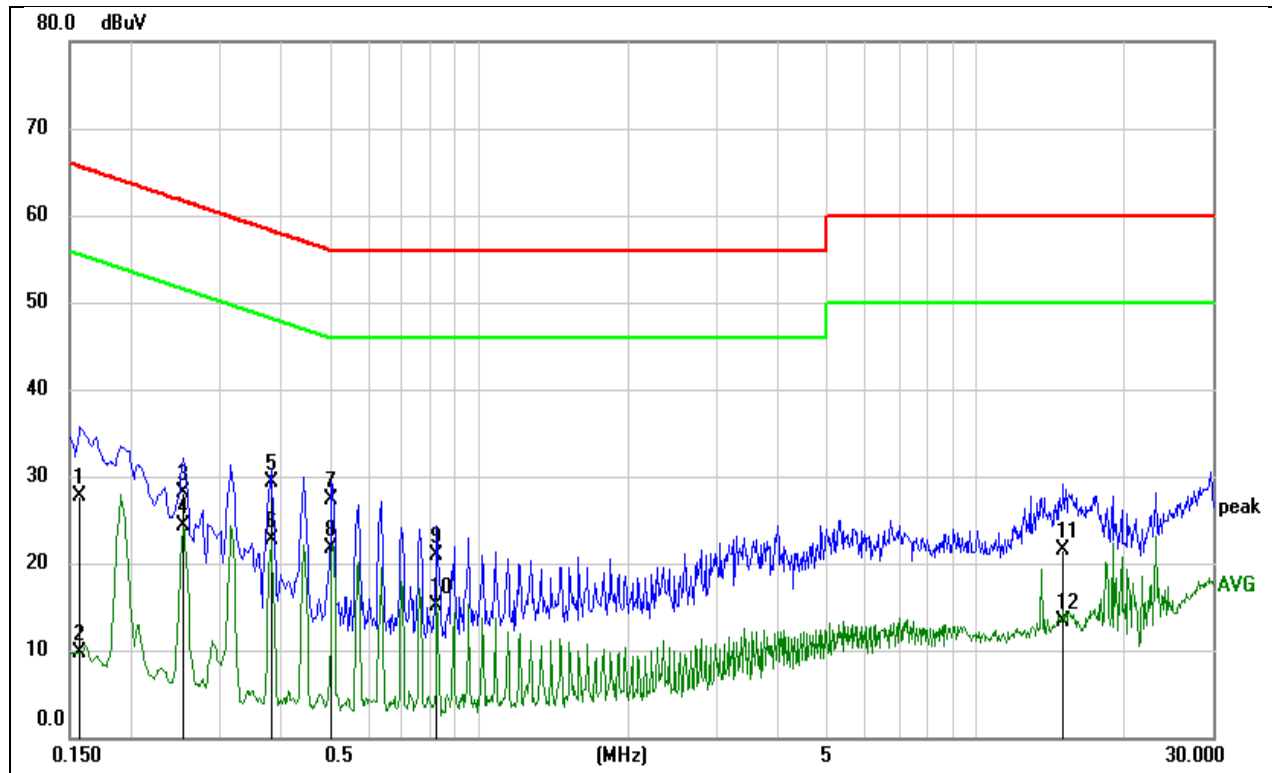
Test Mode:	M01	Line:	Line
Test Voltage:	AC 277V_60Hz	Model:	MDX-50L-100-277



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1895	26.13	9.59	35.72	64.06	-28.34	QP
2	0.1895	21.80	9.59	31.39	54.06	-22.67	AVG
3	0.3169	21.50	9.59	31.09	59.79	-28.70	QP
4	0.3169	15.99	9.59	25.58	49.79	-24.21	AVG
5	0.3819	18.45	9.59	28.04	58.24	-30.20	QP
6	0.3819	12.02	9.59	21.61	48.24	-26.63	AVG
7	0.5078	12.71	9.60	22.31	56.00	-33.69	QP
8	0.5078	7.71	9.60	17.31	46.00	-28.69	AVG
9	13.1653	10.53	9.76	20.29	60.00	-39.71	QP
10	13.1653	4.15	9.76	13.91	50.00	-36.09	AVG
11	27.6113	15.54	9.75	25.29	60.00	-34.71	QP
12	27.6113	8.90	9.75	18.65	50.00	-31.35	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

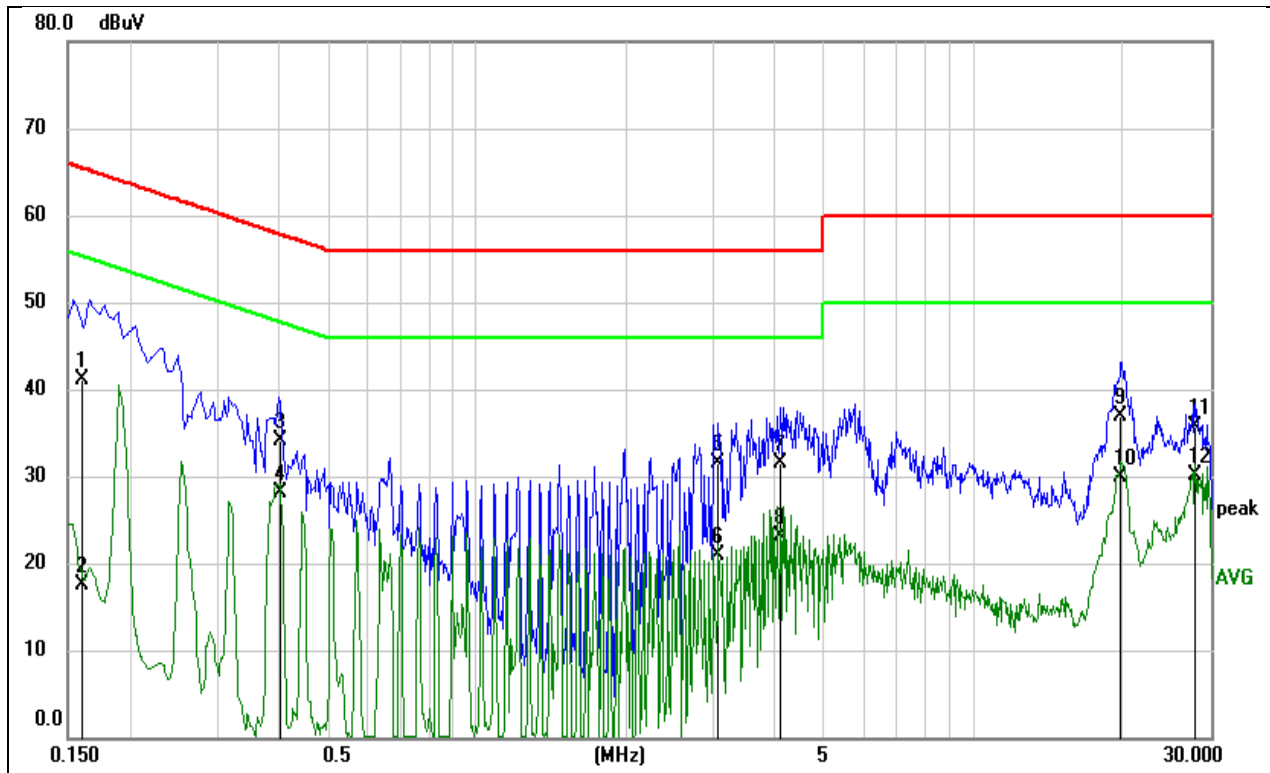
Test Mode:	M01	Line:	Neutral
Test Voltage:	AC 277V_60Hz	Model:	MDX-50L-100-277



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1563	18.08	9.59	27.67	65.66	-37.99	QP
2	0.1563	0.16	9.59	9.75	55.66	-45.91	AVG
3	0.2539	18.49	9.59	28.08	61.63	-33.55	QP
4	0.2539	14.73	9.59	24.32	51.63	-27.31	AVG
5	0.3822	19.67	9.59	29.26	58.23	-28.97	QP
6	0.3822	13.10	9.59	22.69	48.23	-25.54	AVG
7	0.5070	17.77	9.60	27.37	56.00	-28.63	QP
8	0.5070	12.12	9.60	21.72	46.00	-24.28	AVG
9	0.8254	11.34	9.60	20.94	56.00	-35.06	QP
10	0.8254	5.56	9.60	15.16	46.00	-30.84	AVG
11	15.0202	11.79	9.76	21.55	60.00	-38.45	QP
12	15.0202	3.57	9.76	13.33	50.00	-36.67	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

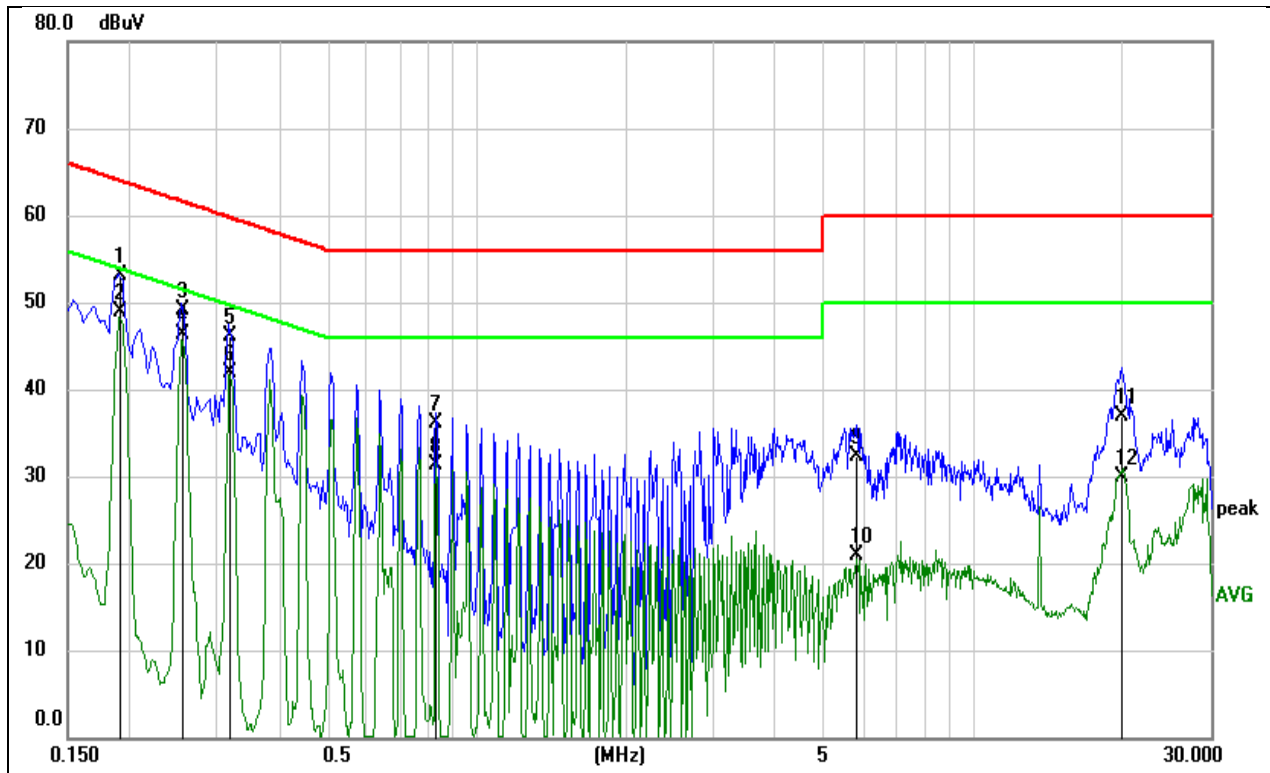
Test Mode:	M01	Line:	Line
Test Voltage:	AC 347V_60Hz	Model:	MDX-50L-347-480



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1619	40.91	0.24	41.15	65.37	-24.22	QP
2	0.1619	17.22	0.24	17.46	55.37	-37.91	AVG
3	0.4021	33.94	0.24	34.18	57.81	-23.63	QP
4	0.4021	27.80	0.24	28.04	47.81	-19.77	AVG
5	3.0665	31.27	0.29	31.56	56.00	-24.44	QP
6	3.0665	20.56	0.29	20.85	46.00	-25.15	AVG
7	4.0888	31.13	0.30	31.43	56.00	-24.57	QP
8	4.0888	22.80	0.30	23.10	46.00	-22.90	AVG
9	19.8686	36.28	0.55	36.83	60.00	-23.17	QP
10	19.8686	29.28	0.55	29.83	50.00	-20.17	AVG
11	27.8977	34.95	0.68	35.63	60.00	-24.37	QP
12	27.8977	29.39	0.68	30.07	50.00	-19.93	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

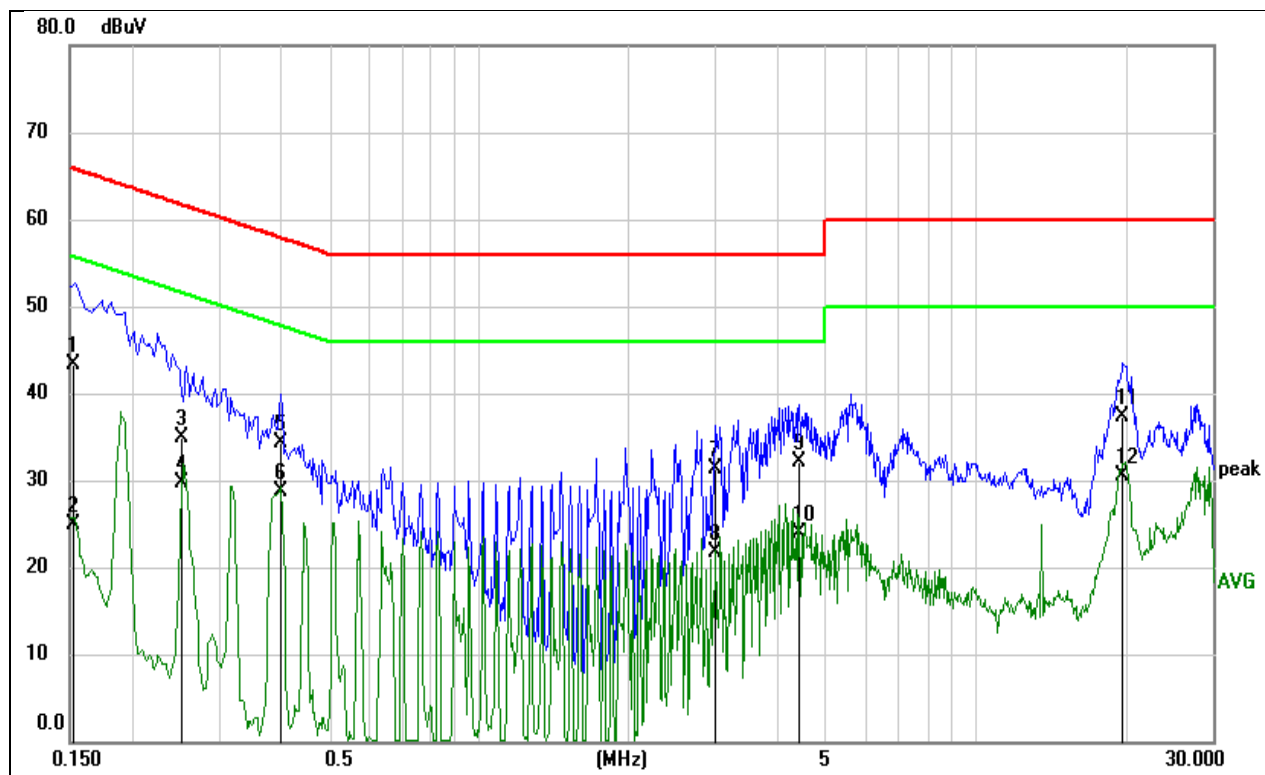
Test Mode:	M01	Line:	Neutral
Test Voltage:	AC 347V_60Hz	Model:	MDX-50L-347-480



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1915	52.78	0.24	53.02	63.97	-10.95	QP
2	0.1915	48.63	0.24	48.87	53.97	-5.10	AVG
3	0.2556	48.83	0.24	49.07	61.57	-12.50	QP
4	0.2556	46.02	0.24	46.26	51.57	-5.31	AVG
5	0.3190	45.86	0.24	46.10	59.73	-13.63	QP
6	0.3190	41.66	0.24	41.90	49.73	-7.83	AVG
7	0.8305	35.80	0.25	36.05	56.00	-19.95	QP
8	0.8305	31.15	0.25	31.40	46.00	-14.60	AVG
9	5.8132	32.05	0.33	32.38	60.00	-27.62	QP
10	5.8132	20.49	0.33	20.82	50.00	-29.18	AVG
11	19.8420	36.38	0.55	36.93	60.00	-23.07	QP
12	19.8420	29.40	0.55	29.95	50.00	-20.05	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

Test Mode:	M01	Line:	Line
Test Voltage:	AC 480V_60Hz	Model:	MDX-50L-347-480

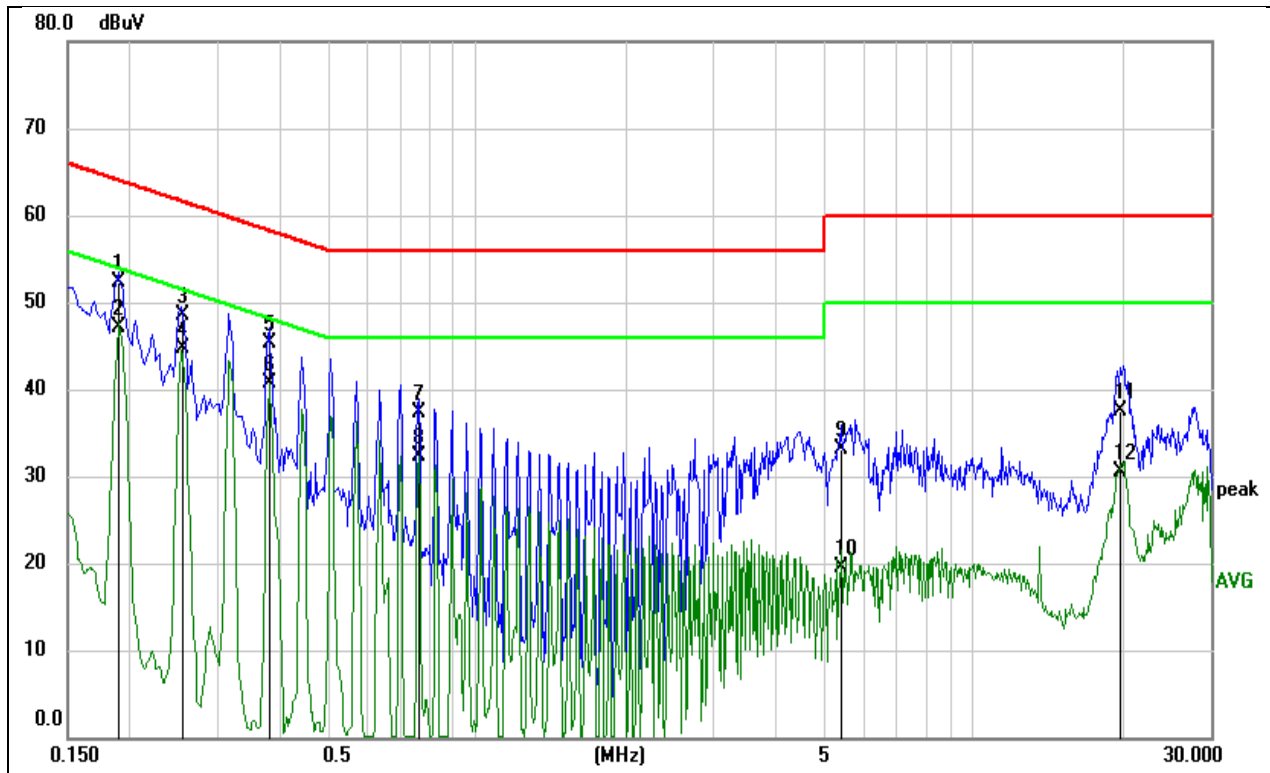


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1519	42.99	0.24	43.23	65.90	-22.67	QP
2	0.1519	24.66	0.24	24.90	55.90	-31.00	AVG
3	0.2539	34.69	0.24	34.93	61.63	-26.70	QP
4	0.2539	29.50	0.24	29.74	51.63	-21.89	AVG
5	0.4006	33.98	0.24	34.22	57.84	-23.62	QP
6	0.4006	28.38	0.24	28.62	47.84	-19.22	AVG
7	3.0019	31.09	0.28	31.37	56.00	-24.63	QP
8	3.0019	21.52	0.28	21.80	46.00	-24.20	AVG
9	4.4081	31.75	0.31	32.06	56.00	-23.94	QP
10	4.4081	23.69	0.31	24.00	46.00	-22.00	AVG
11	19.8301	36.75	0.55	37.30	60.00	-22.70	QP
12	19.8301	29.89	0.55	30.44	50.00	-19.56	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)

Margin = Result - Limit

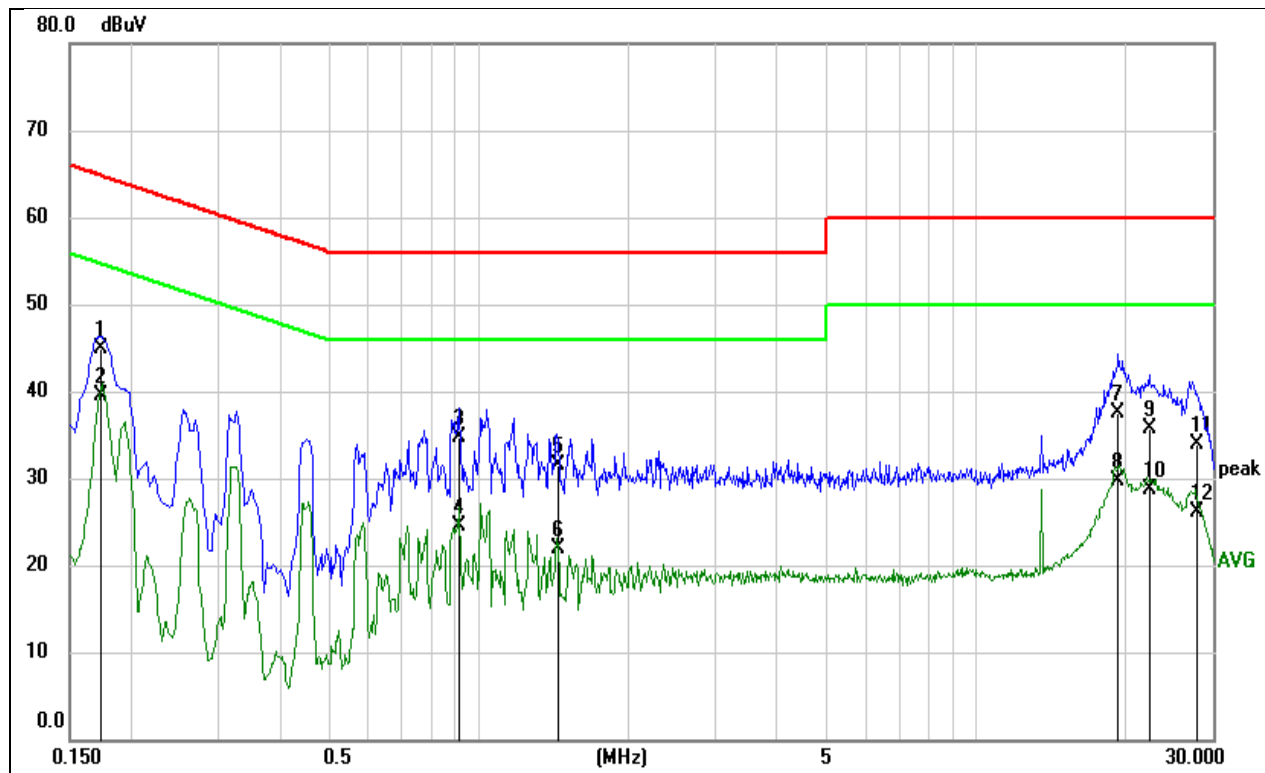
Test Mode:	M01	Line:	Neutral
Test Voltage:	AC 480V_60Hz	Model:	MDX-50L-347-480



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1910	51.98	0.24	52.22	63.99	-11.77	QP
2	0.1910	46.91	0.24	47.15	53.99	-6.84	AVG
3	0.2549	48.25	0.24	48.49	61.60	-13.11	QP
4	0.2549	44.42	0.24	44.66	51.60	-6.94	AVG
5	0.3824	45.08	0.24	45.32	58.23	-12.91	QP
6	0.3824	40.37	0.24	40.61	48.23	-7.62	AVG
7	0.7644	37.01	0.25	37.26	56.00	-18.74	QP
8	0.7644	32.02	0.25	32.27	46.00	-13.73	AVG
9	5.4570	32.75	0.32	33.07	60.00	-26.93	QP
10	5.4570	19.17	0.32	19.49	50.00	-30.51	AVG
11	19.8799	36.91	0.55	37.46	60.00	-22.54	QP
12	19.8799	29.92	0.55	30.47	50.00	-19.53	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

Test Mode:	M01	Line:	Line
Test Voltage:	AC 120V_60Hz	Model:	MDX-70L-100-277

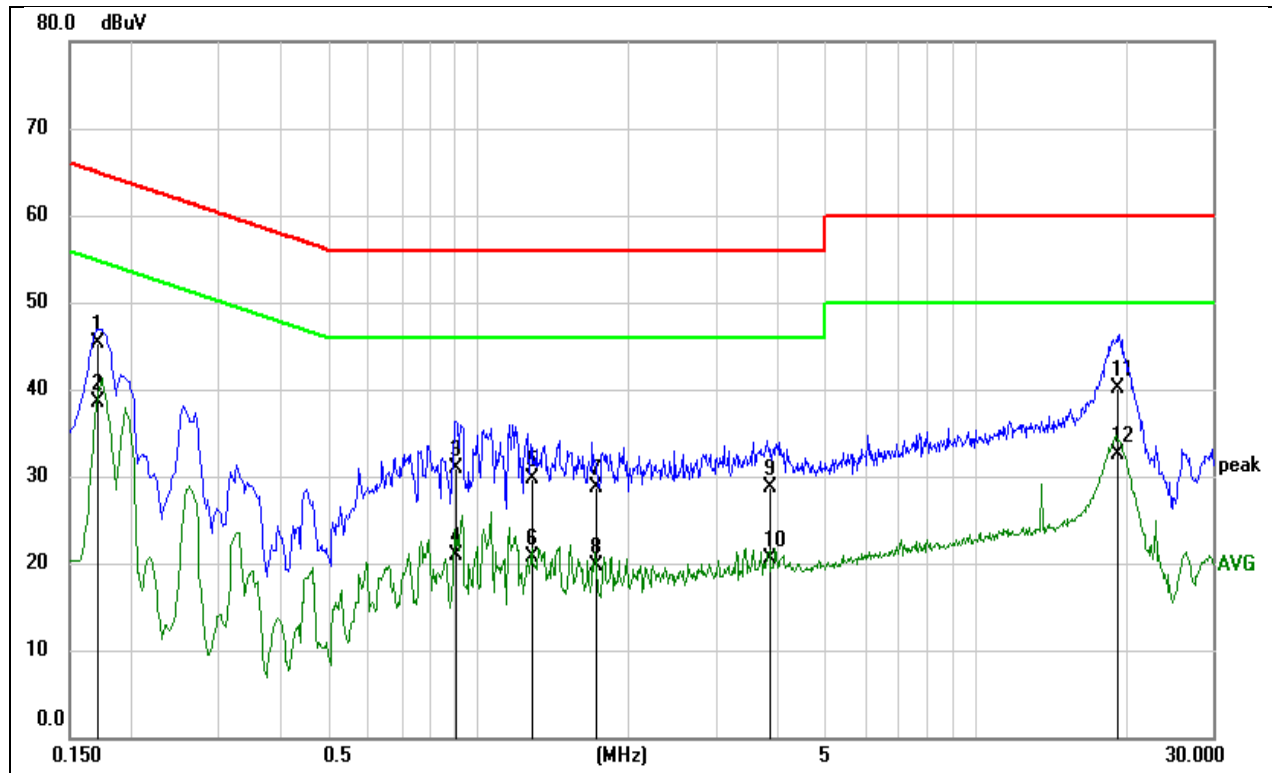


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1729	35.39	9.59	44.98	64.82	-19.84	QP
2	0.1729	29.88	9.59	39.47	54.82	-15.35	AVG
3	0.9206	25.13	9.61	34.74	56.00	-21.26	QP
4	0.9206	14.85	9.61	24.46	46.00	-21.54	AVG
5	1.4438	21.95	9.62	31.57	56.00	-24.43	QP
6	1.4438	12.20	9.62	21.82	46.00	-24.18	AVG
7	19.3836	27.60	9.83	37.43	60.00	-22.57	QP
8	19.3836	19.81	9.83	29.64	50.00	-20.36	AVG
9	22.3367	25.94	9.81	35.75	60.00	-24.25	QP
10	22.3367	18.84	9.81	28.65	50.00	-21.35	AVG
11	27.8368	24.23	9.75	33.98	60.00	-26.02	QP
12	27.8368	16.28	9.75	26.03	50.00	-23.97	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)

Margin = Result - Limit

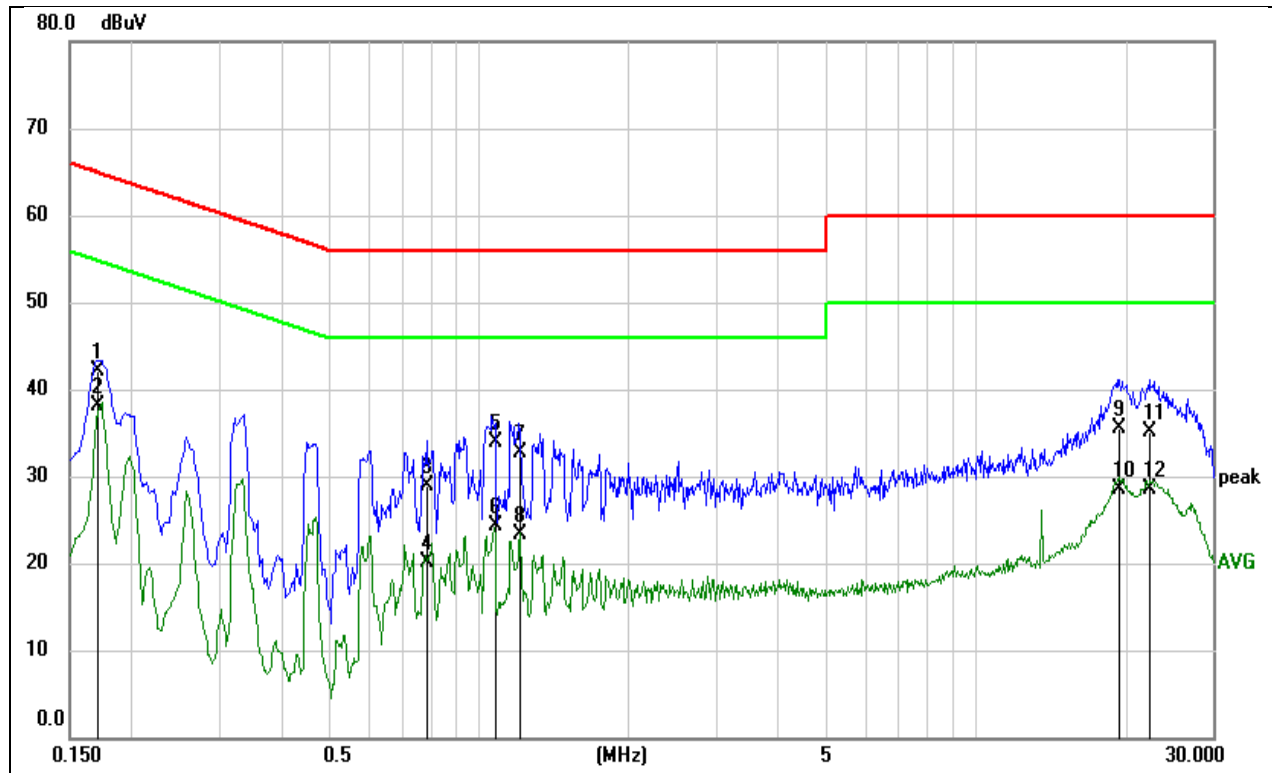
Test Mode:	M01	Line:	Neutral
Test Voltage:	AC 120V_60Hz	Model:	MDX-70L-100-277



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1708	35.75	9.59	45.34	64.92	-19.58	QP
2	0.1708	28.87	9.59	38.46	54.92	-16.46	AVG
3	0.9051	21.20	9.61	30.81	56.00	-25.19	QP
4	0.9051	11.34	9.61	20.95	46.00	-25.05	AVG
5	1.2814	20.14	9.61	29.75	56.00	-26.25	QP
6	1.2814	11.06	9.61	20.67	46.00	-25.33	AVG
7	1.7263	19.02	9.62	28.64	56.00	-27.36	QP
8	1.7263	9.99	9.62	19.61	46.00	-26.39	AVG
9	3.8515	18.98	9.69	28.67	56.00	-27.33	QP
10	3.8515	10.78	9.69	20.47	46.00	-25.53	AVG
11	19.3716	30.32	9.83	40.15	60.00	-19.85	QP
12	19.3716	22.61	9.83	32.44	50.00	-17.56	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

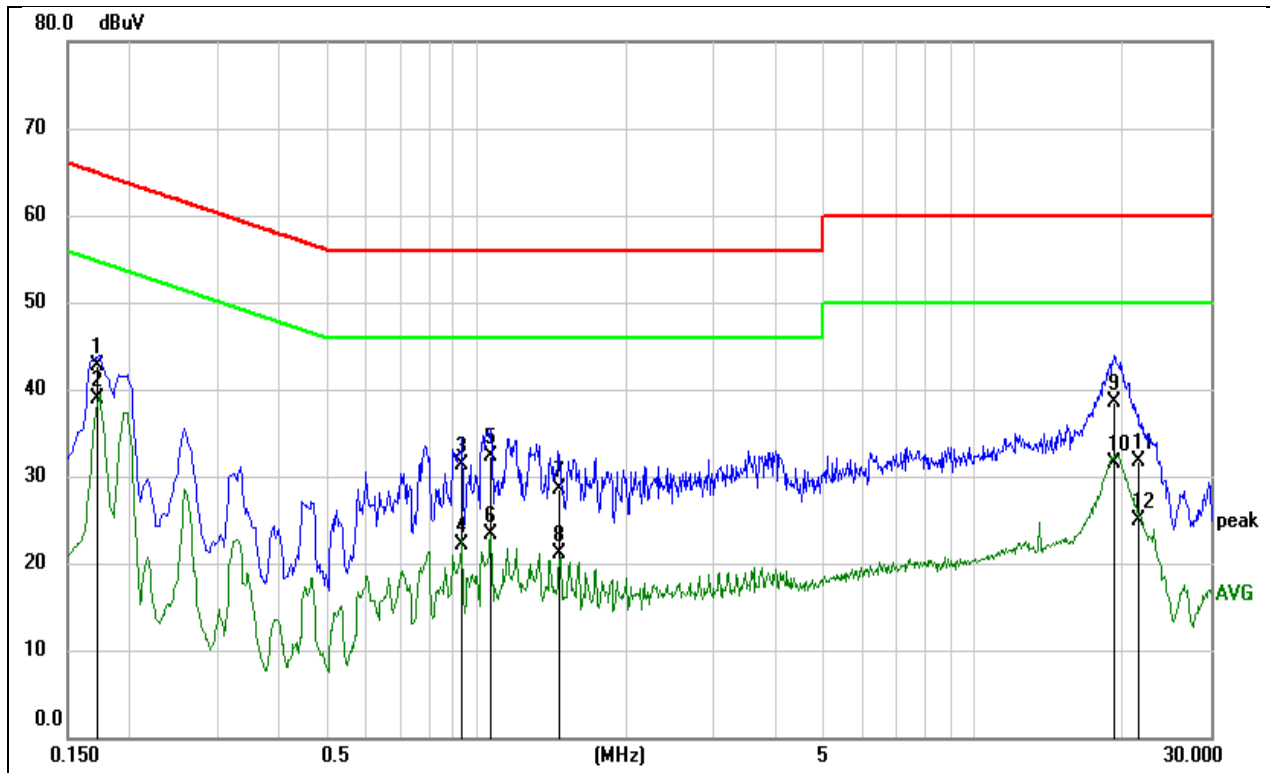
Test Mode:	M01	Line:	Line
Test Voltage:	AC 277V_60Hz	Model:	MDX-70L-100-277



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1717	32.59	9.59	42.18	64.88	-22.70	QP
2	0.1717	28.59	9.59	38.18	54.88	-16.70	AVG
3	0.7869	19.33	9.60	28.93	56.00	-27.07	QP
4	0.7869	10.45	9.60	20.05	46.00	-25.95	AVG
5	1.0765	24.26	9.61	33.87	56.00	-22.13	QP
6	1.0765	14.62	9.61	24.23	46.00	-21.77	AVG
7	1.2119	23.18	9.61	32.79	56.00	-23.21	QP
8	1.2119	13.61	9.61	23.22	46.00	-22.78	AVG
9	19.4705	25.75	9.83	35.58	60.00	-24.42	QP
10	19.4705	18.76	9.83	28.59	50.00	-21.41	AVG
11	22.3263	25.20	9.81	35.01	60.00	-24.99	QP
12	22.3263	18.64	9.81	28.45	50.00	-21.55	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

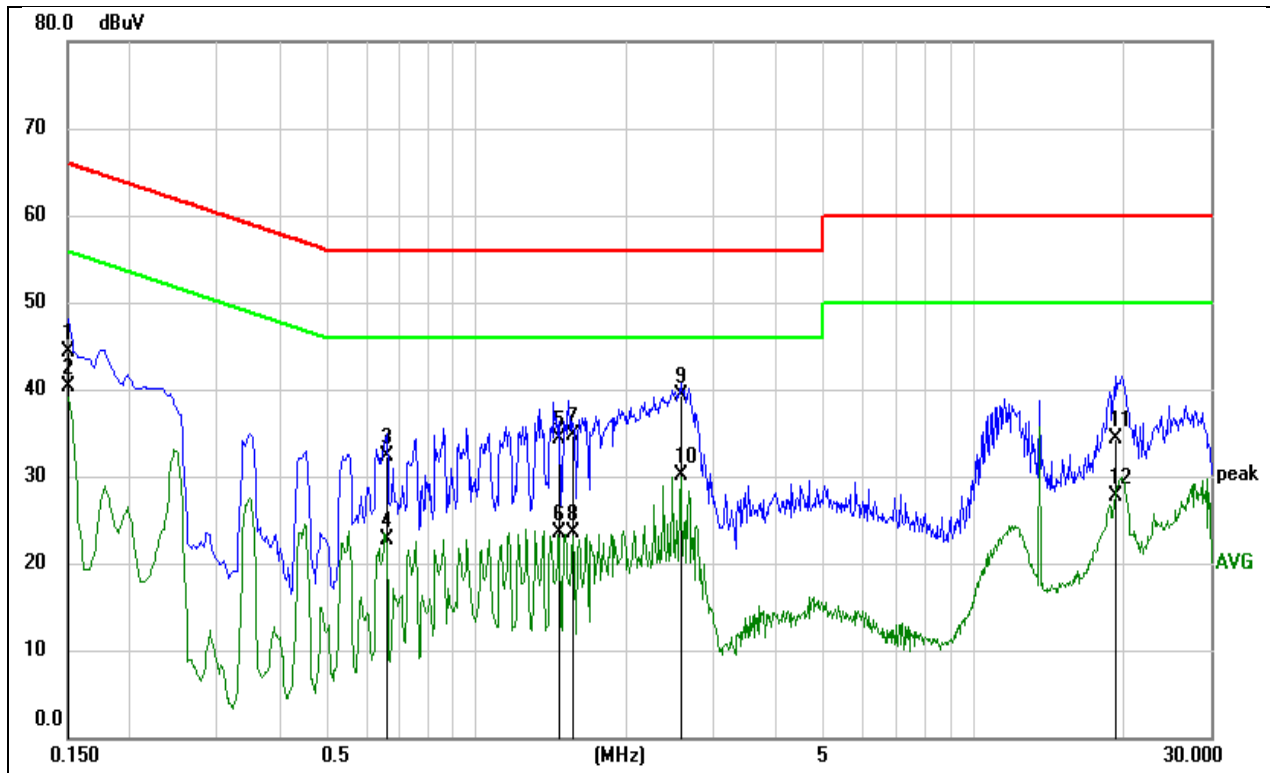
Test Mode:	M01	Line:	Neutral
Test Voltage:	AC 277V_60Hz	Model:	MDX-70L-100-277



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1720	33.04	9.59	42.63	64.86	-22.23	QP
2	0.1720	29.31	9.59	38.90	54.86	-15.96	AVG
3	0.9360	21.74	9.61	31.35	56.00	-24.65	QP
4	0.9360	12.57	9.61	22.18	46.00	-23.82	AVG
5	1.0688	22.74	9.61	32.35	56.00	-23.65	QP
6	1.0688	13.61	9.61	23.22	46.00	-22.78	AVG
7	1.4721	18.79	9.62	28.41	56.00	-27.59	QP
8	1.4721	11.47	9.62	21.09	46.00	-24.91	AVG
9	19.2182	28.64	9.83	38.47	60.00	-21.53	QP
10	19.2182	21.62	9.83	31.45	50.00	-18.55	AVG
11	21.4005	21.81	9.82	31.63	60.00	-28.37	QP
12	21.4005	15.01	9.82	24.83	50.00	-25.17	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

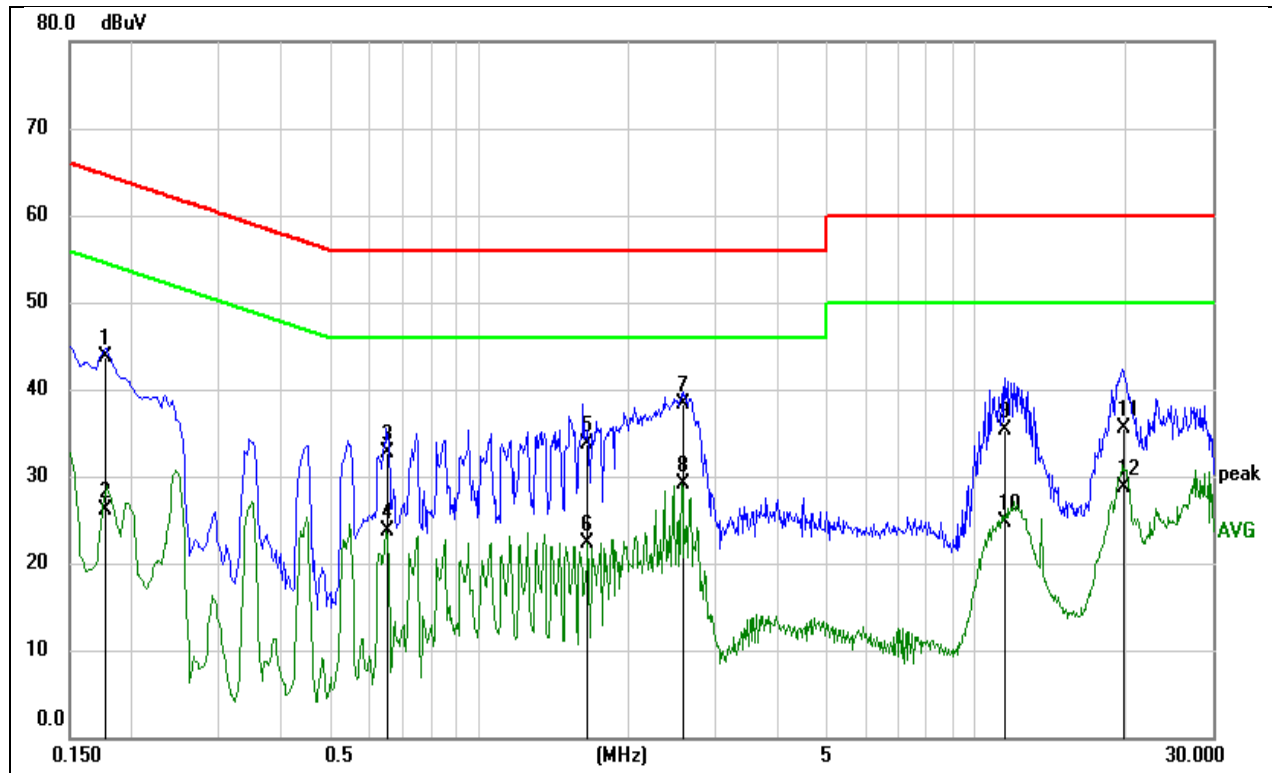
Test Mode:	M01	Line:	Line
Test Voltage:	AC 347V_60Hz	Model:	MDX-70L-347-480



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1501	43.98	0.24	44.22	65.99	-21.77	QP
2	0.1501	40.01	0.24	40.25	55.99	-15.74	AVG
3	0.6575	32.11	0.25	32.36	56.00	-23.64	QP
4	0.6575	22.55	0.25	22.80	46.00	-23.20	AVG
5	1.4655	33.99	0.26	34.25	56.00	-21.75	QP
6	1.4655	23.25	0.26	23.51	46.00	-22.49	AVG
7	1.5672	34.50	0.26	34.76	56.00	-21.24	QP
8	1.5672	23.16	0.26	23.42	46.00	-22.58	AVG
9	2.5787	39.12	0.28	39.40	56.00	-16.60	QP
10	2.5787	29.87	0.28	30.15	46.00	-15.85	AVG
11	19.3173	33.83	0.54	34.37	60.00	-25.63	QP
12	19.3173	27.20	0.54	27.74	50.00	-22.26	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

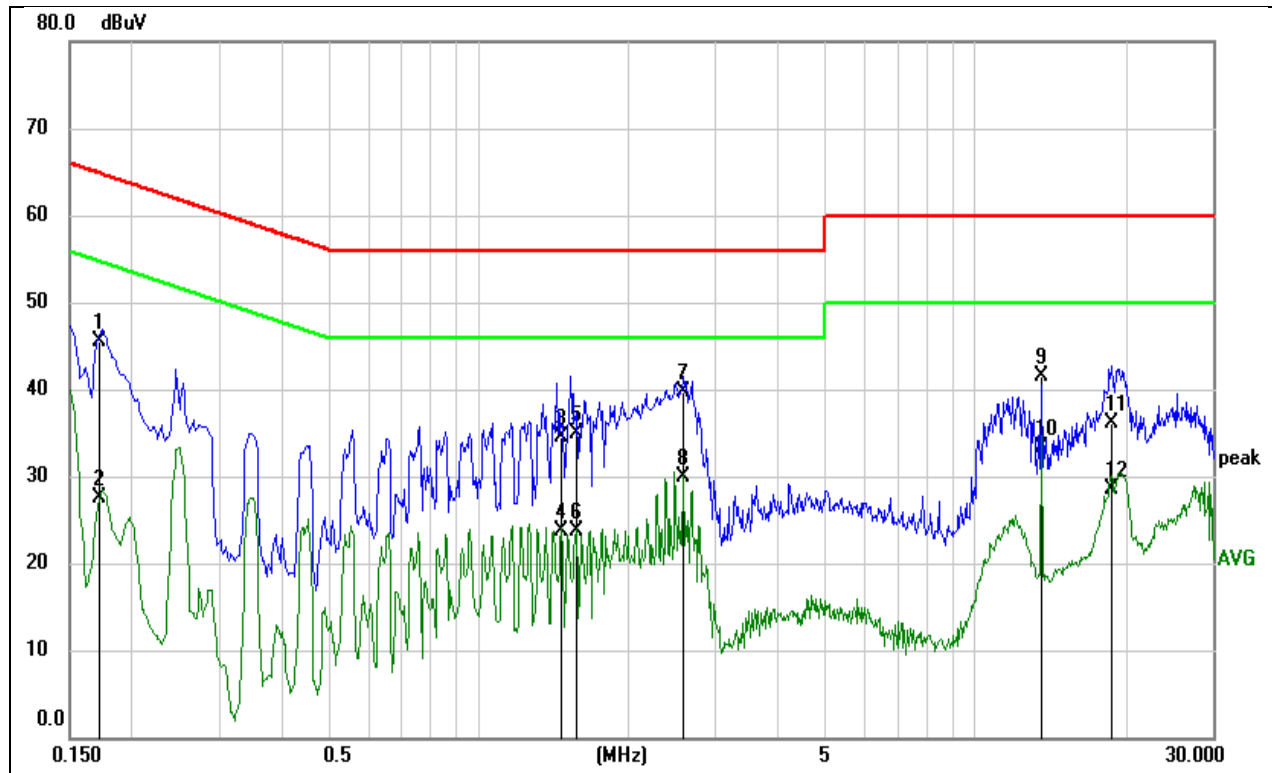
Test Mode:	M01	Line:	Neutral
Test Voltage:	AC 347V_60Hz	Model:	MDX-70L-347-480



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1763	43.48	0.24	43.72	64.66	-20.94	QP
2	0.1763	25.92	0.24	26.16	54.66	-28.50	AVG
3	0.6545	32.46	0.25	32.71	56.00	-23.29	QP
4	0.6545	23.36	0.25	23.61	46.00	-22.39	AVG
5	1.6626	33.44	0.26	33.70	56.00	-22.30	QP
6	1.6626	22.05	0.26	22.31	46.00	-23.69	AVG
7	2.5692	38.01	0.28	38.29	56.00	-17.71	QP
8	2.5692	28.85	0.28	29.13	46.00	-16.87	AVG
9	11.4309	34.91	0.42	35.33	60.00	-24.67	QP
10	11.4309	24.36	0.42	24.78	50.00	-25.22	AVG
11	19.7843	34.89	0.55	35.44	60.00	-24.56	QP
12	19.7843	28.21	0.55	28.76	50.00	-21.24	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

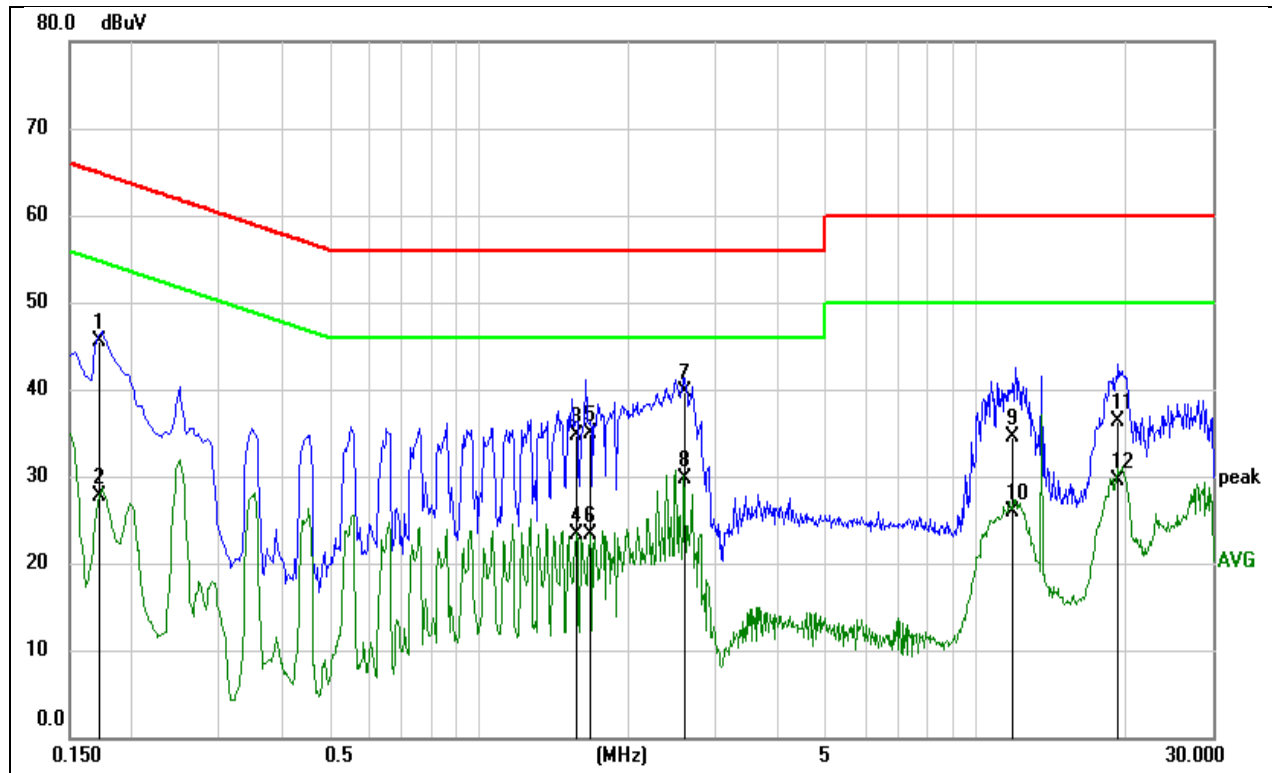
Test Mode:	M01	Line:	Line
Test Voltage:	AC 480V_60Hz	Model:	MDX-70L-347-480



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1720	45.28	0.24	45.52	64.86	-19.34	QP
2	0.1720	27.26	0.24	27.50	54.86	-27.36	AVG
3	1.4708	34.19	0.26	34.45	56.00	-21.55	QP
4	1.4708	23.52	0.26	23.78	46.00	-22.22	AVG
5	1.5728	34.56	0.26	34.82	56.00	-21.18	QP
6	1.5728	23.38	0.26	23.64	46.00	-22.36	AVG
7	2.5884	39.45	0.28	39.73	56.00	-16.27	QP
8	2.5884	29.67	0.28	29.95	46.00	-16.05	AVG
9	13.5604	41.05	0.45	41.50	60.00	-18.50	QP
10	13.5604	32.77	0.45	33.22	50.00	-16.78	AVG
11	18.8123	35.57	0.53	36.10	60.00	-23.90	QP
12	18.8123	28.07	0.53	28.60	50.00	-21.40	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

Test Mode:	M01	Line:	Neutral
Test Voltage:	AC 480V_60Hz	Model:	MDX-70L-347-480



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1720	45.17	0.24	45.41	64.86	-19.45	QP
2	0.1720	27.44	0.24	27.68	54.86	-27.18	AVG
3	1.5760	34.48	0.26	34.74	56.00	-21.26	QP
4	1.5760	23.14	0.26	23.40	46.00	-22.60	AVG
5	1.6783	34.68	0.26	34.94	56.00	-21.06	QP
6	1.6783	22.98	0.26	23.24	46.00	-22.76	AVG
7	2.5942	39.45	0.28	39.73	56.00	-16.27	QP
8	2.5942	29.46	0.28	29.74	46.00	-16.26	AVG
9	11.9891	34.00	0.43	34.43	60.00	-25.57	QP
10	11.9891	25.57	0.43	26.00	50.00	-24.00	AVG
11	19.3432	35.82	0.54	36.36	60.00	-23.64	QP
12	19.3432	28.94	0.54	29.48	50.00	-20.52	AVG

Remark: Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
Margin = Result - Limit

7.2. RADIATED EMISSIONS BELOW 1GHZ

LIMITS

Below 1 GHz

CFR 47 FCC Part 15 Subpart B		
Frequency (MHz)	Class A	Class B
	Field strength (dBuV/m) (at 3 m)	Field strength (dBuV/m) (at 3 m)
30 - 88	49.5	40
88 - 216	53.9	43.5
216 - 960	56.9	46
Above 960	60	54

Test Frequency Range of Radiated Disturbance Measurement

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 - 108	1000
108 - 500	2000
500 - 1000	5000
Above 1000	5 th harmonic of the highest frequency or 40 GHz, whichever is lower

NOTE:

- (1) The limit for radiated test was performed according to FCC Part 15, Subpart B;
- (2) The tighter limit applies at the band edges;
- (3) Emission level (dBuV/m) = 20log Emission level (uV/m),
3m Emission level = 10 m Emission level + 20log(10 m/3 m);

TEST PROCEDURE

Below 1 GHz and above 30 MHz

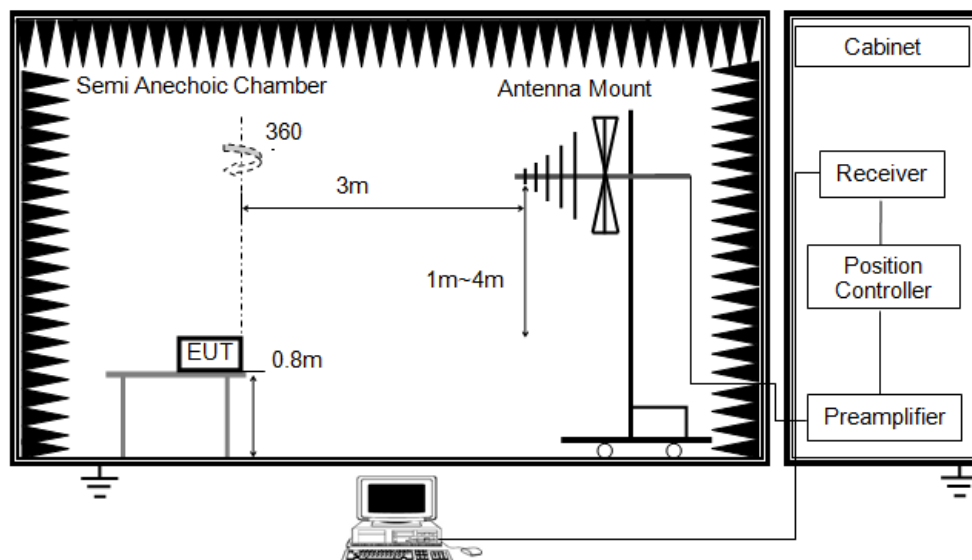
The setting of the spectrum analyser

RBW	120 kHz
VBW	300 kHz
Sweep	Auto
Detector	Peak and QP
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.4-2014.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp was used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 80 cm above ground.
4. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
5. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
6. Cables of hand-operated devices, such as keyboards and mice, shall be placed as for normal used.
7. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
8. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

TEST SETUP



Below 1 GHz and above 30 MHz

TEST ENVIRONMENT

Temperature	22.5°C	Relative Humidity	57%
Atmosphere Pressure	101kPa		

TEST DATE / ENGINEER

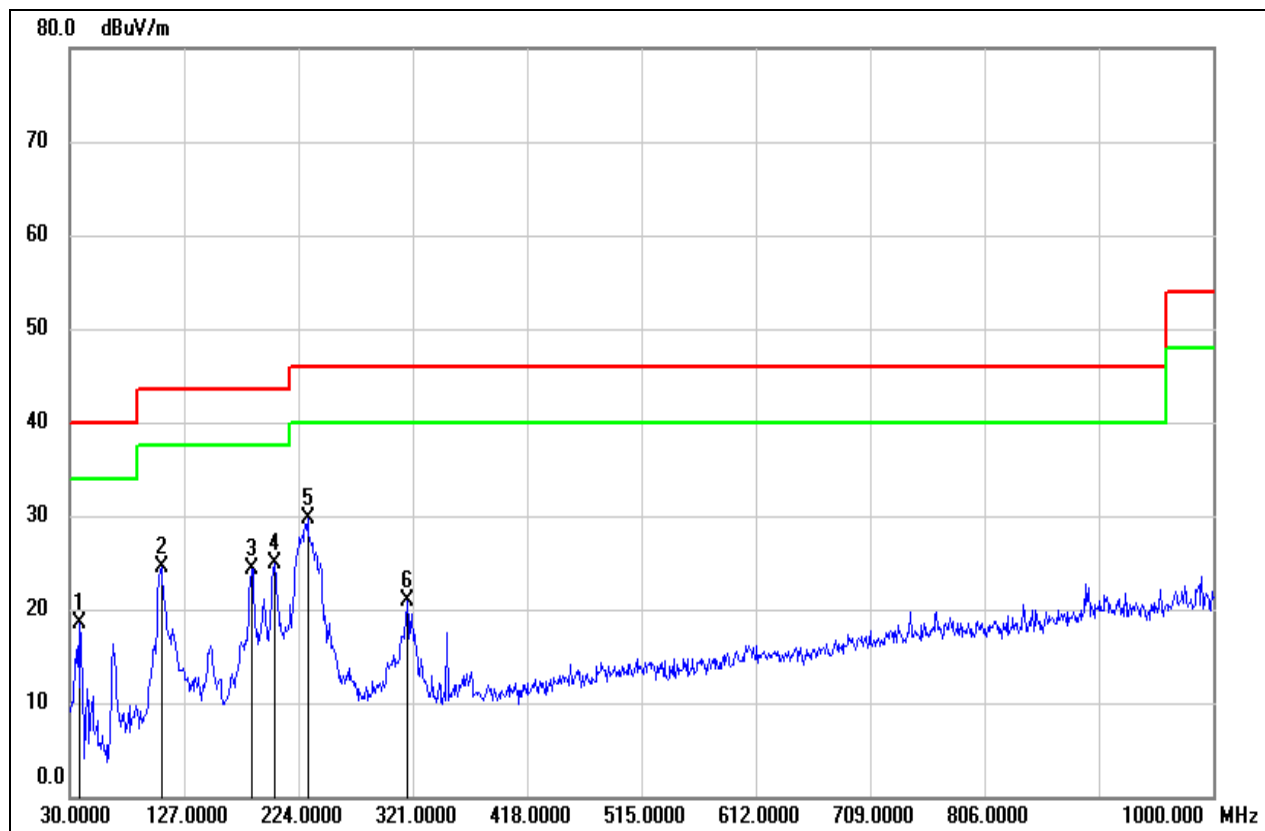
Test Date	February 29, 2024	Test By	Deacon Tan
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TEST MODE

Pre-test Mode:	M01
Final Test Mode:	M01

TEST RESULTS

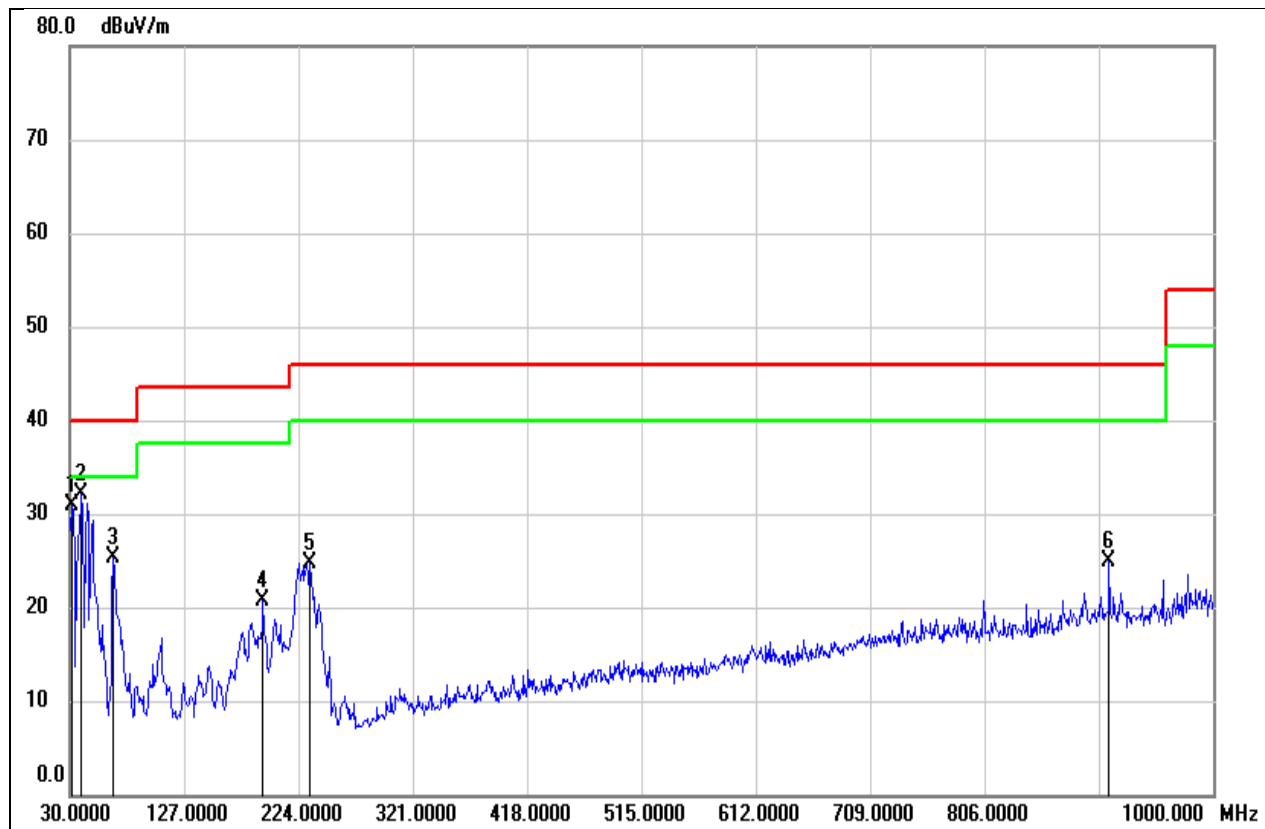
Test Mode:	M01	Polarity:	Horizontal
Test Voltage:	AC 120V_60Hz	Model:	MDX-20L-100-277



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	38.7300	37.72	-19.13	18.59	40.00	-21.41	QP
2	107.6000	44.63	-20.15	24.48	43.50	-19.02	QP
3	184.2300	40.25	-15.96	24.29	43.50	-19.21	QP
4	203.6300	40.87	-15.99	24.88	43.50	-18.62	QP
5	231.7600	47.06	-17.40	29.66	46.00	-16.34	QP
6	316.1500	35.01	-14.05	20.96	46.00	-25.04	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)
2. Margin = Result - Limit

Test Mode:	M01	Polarity:	Vertical
Test Voltage:	AC 120V_60Hz	Model:	MDX-20L-100-277

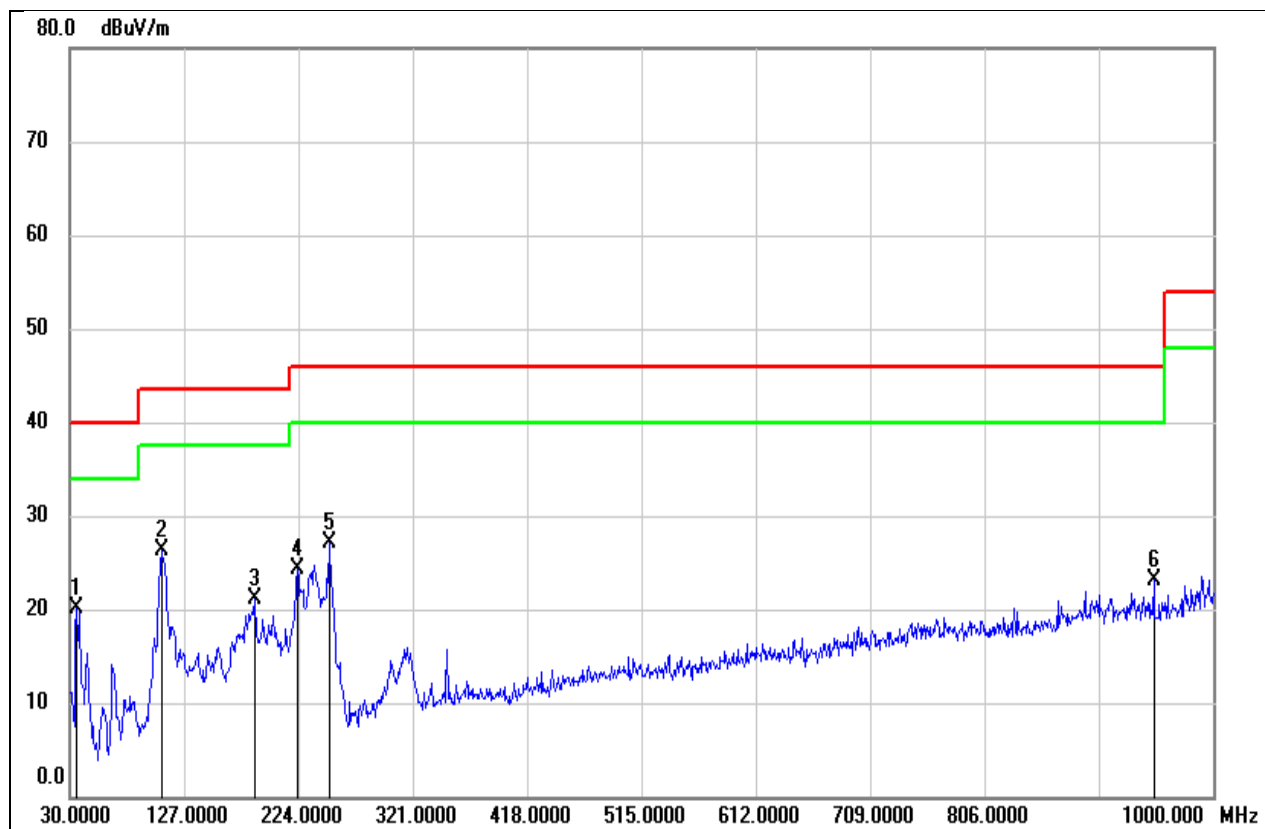


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	31.9400	48.80	-17.99	30.81	40.00	-9.19	QP
2	39.7000	51.45	-19.33	32.12	40.00	-7.88	QP
3	66.8600	45.36	-20.11	25.25	40.00	-14.75	QP
4	193.9299	36.73	-15.94	20.79	43.50	-22.71	QP
5	233.7000	42.30	-17.50	24.80	46.00	-21.20	QP
6	911.7300	29.45	-4.45	25.00	46.00	-21.00	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)

2. Margin = Result - Limit

Test Mode:	M01	Polarity:	Horizontal
Test Voltage:	AC 277V_60Hz	Model:	MDX-20L-100-277

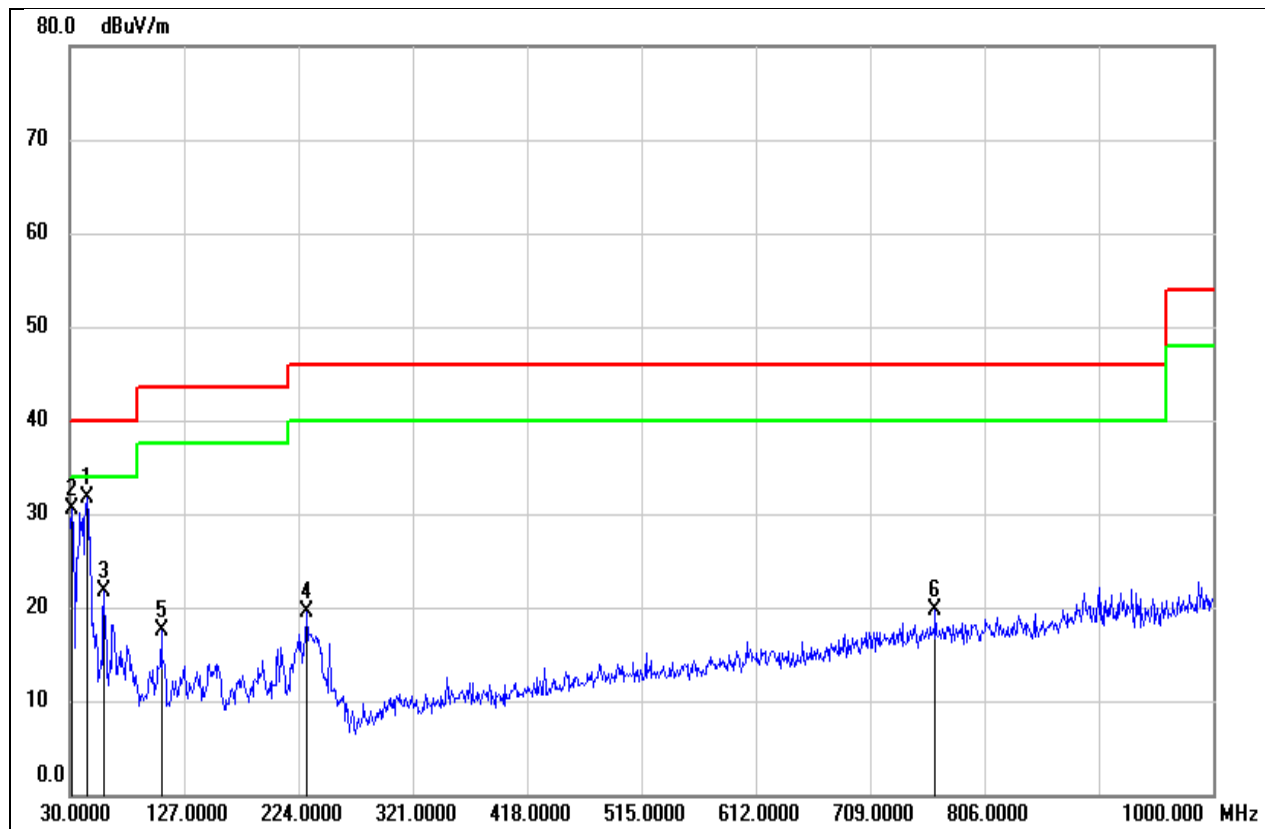


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	35.8200	38.85	-18.70	20.15	40.00	-19.85	QP
2	107.6000	46.38	-20.15	26.23	43.50	-17.27	QP
3	187.1400	37.14	-16.01	21.13	43.50	-22.37	QP
4	223.0300	41.23	-16.99	24.24	46.00	-21.76	QP
5	250.1900	45.36	-18.35	27.01	46.00	-18.99	QP
6	949.5600	27.69	-4.61	23.08	46.00	-22.92	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)

2. Margin = Result - Limit

Test Mode:	M01	Polarity:	Vertical
Test Voltage:	AC 277V_60Hz	Model:	MDX-20L-100-277

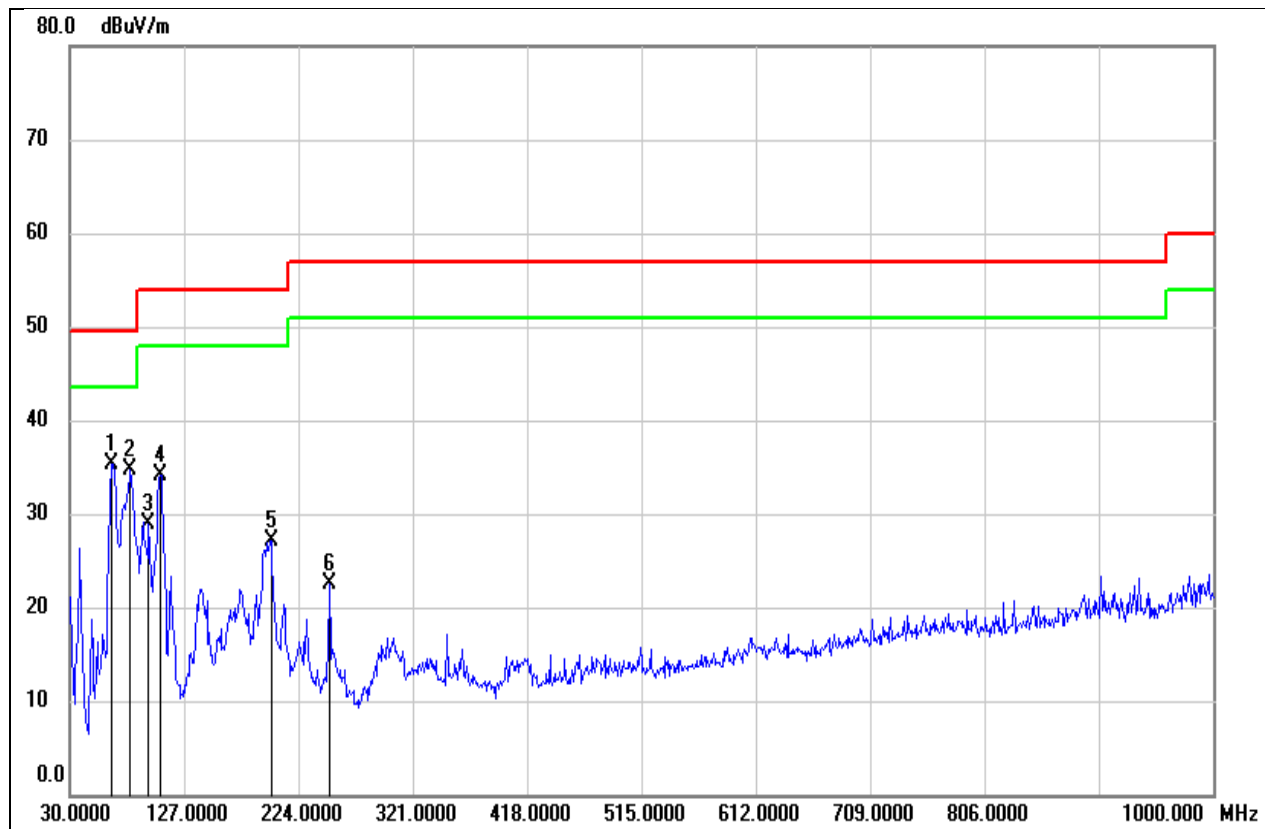


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	44.5500	51.31	-19.66	31.65	40.00	-8.35	QP
2	31.9400	48.44	-17.99	30.45	40.00	-9.55	QP
3	59.1000	41.44	-19.81	21.63	40.00	-18.37	QP
4	230.7900	36.90	-17.33	19.57	46.00	-26.43	QP
5	107.6000	37.61	-20.15	17.46	43.50	-26.04	QP
6	764.2900	26.21	-6.44	19.77	46.00	-26.23	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)

2. Margin = Result - Limit

Test Mode:	M01	Polarity:	Horizontal
Test Voltage:	AC 347V_60Hz	Model:	MDX-20L-347-480

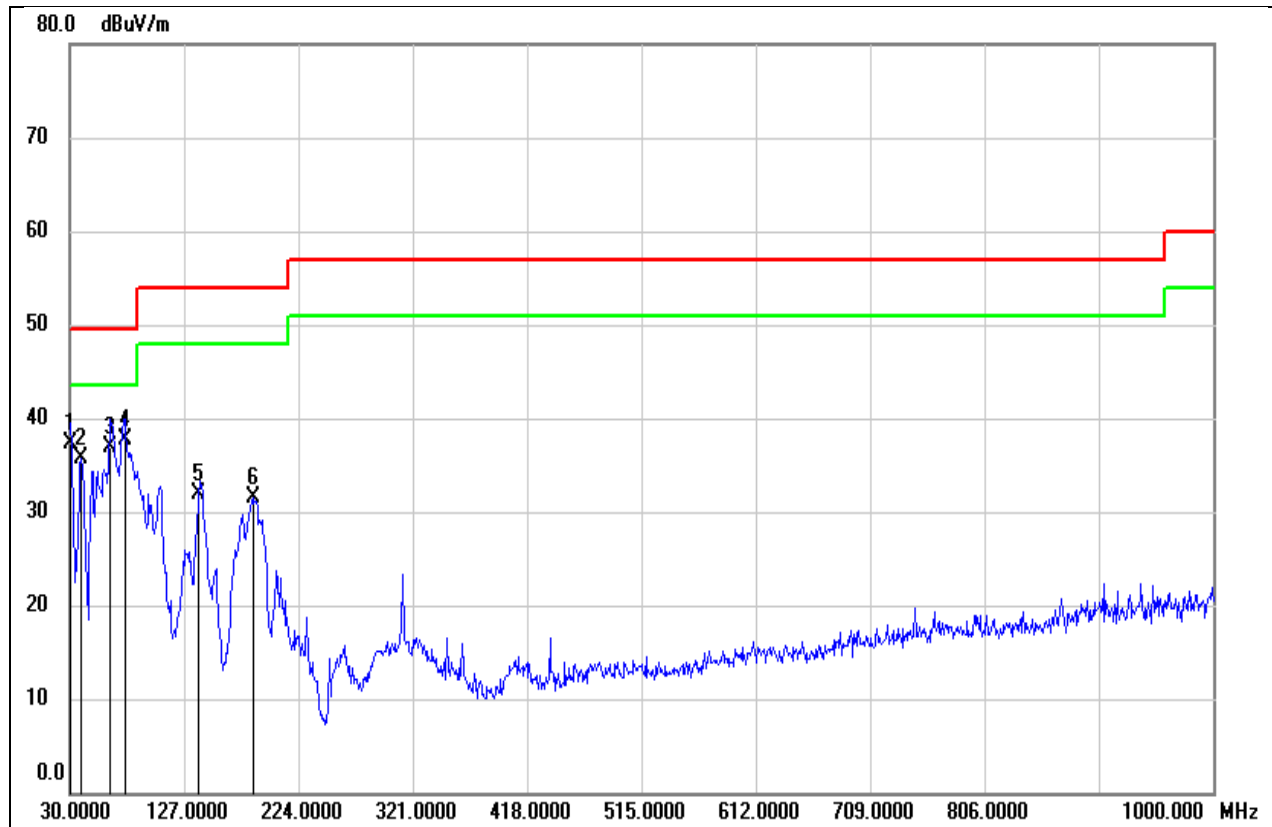


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	64.9200	55.32	-20.01	35.31	49.50	-14.19	QP
2	81.4100	55.87	-21.17	34.70	49.50	-14.80	QP
3	96.9300	50.08	-21.14	28.94	53.90	-24.96	QP
4	106.6300	54.33	-20.21	34.12	53.90	-19.78	QP
5	200.7200	42.93	-15.86	27.07	53.90	-26.83	QP
6	250.1900	40.87	-18.35	22.52	56.90	-34.38	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)

2. Margin = Result - Limit

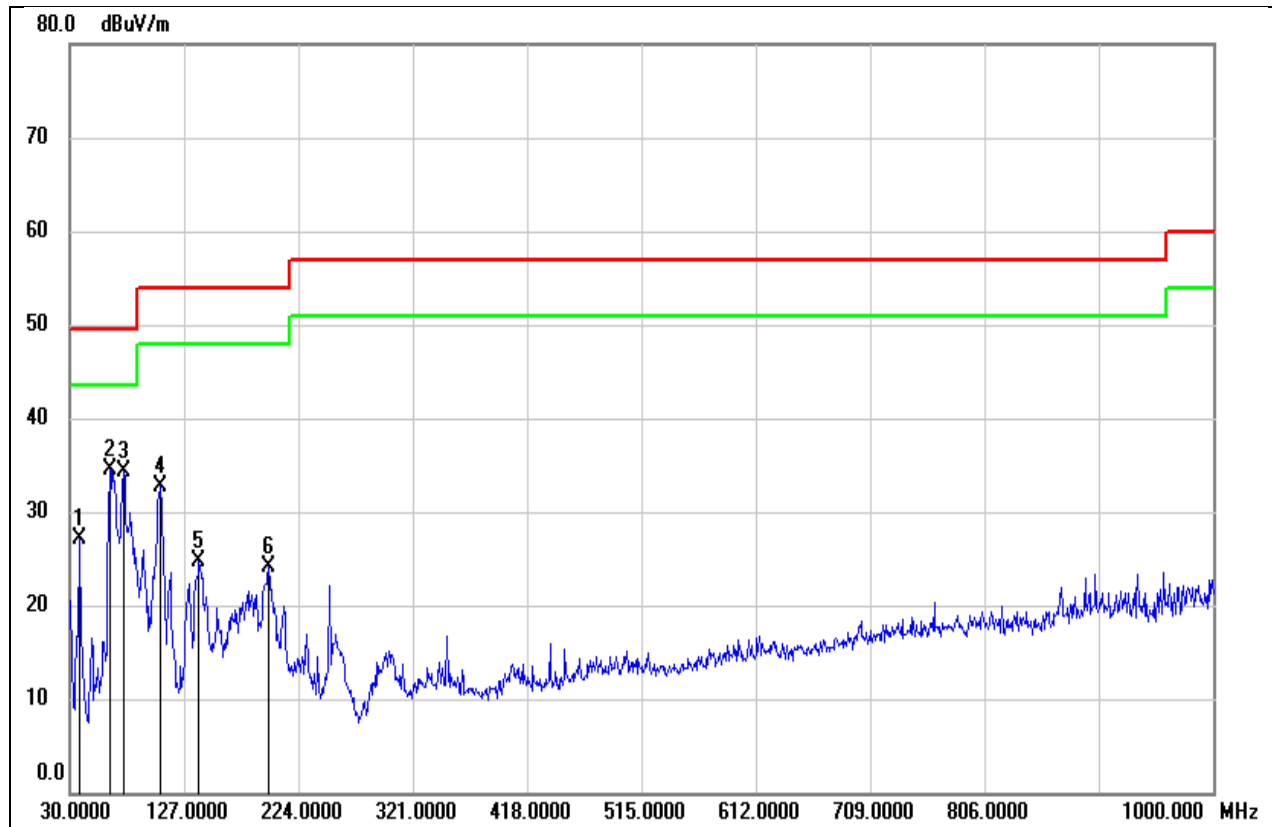
Test Mode:	M01	Polarity:	Vertical
Test Voltage:	AC 347V_60Hz	Model:	MDX-20L-347-480



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.0000	54.90	-17.69	37.21	49.50	-12.29	QP
2	39.7000	54.95	-19.33	35.62	49.50	-13.88	QP
3	63.9500	56.81	-19.97	36.84	49.50	-12.66	QP
4	76.5600	58.38	-20.76	37.62	49.50	-11.88	QP
5	139.6100	50.23	-18.41	31.82	53.90	-22.08	QP
6	186.1700	47.60	-16.01	31.59	53.90	-22.31	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)
2. Margin = Result - Limit

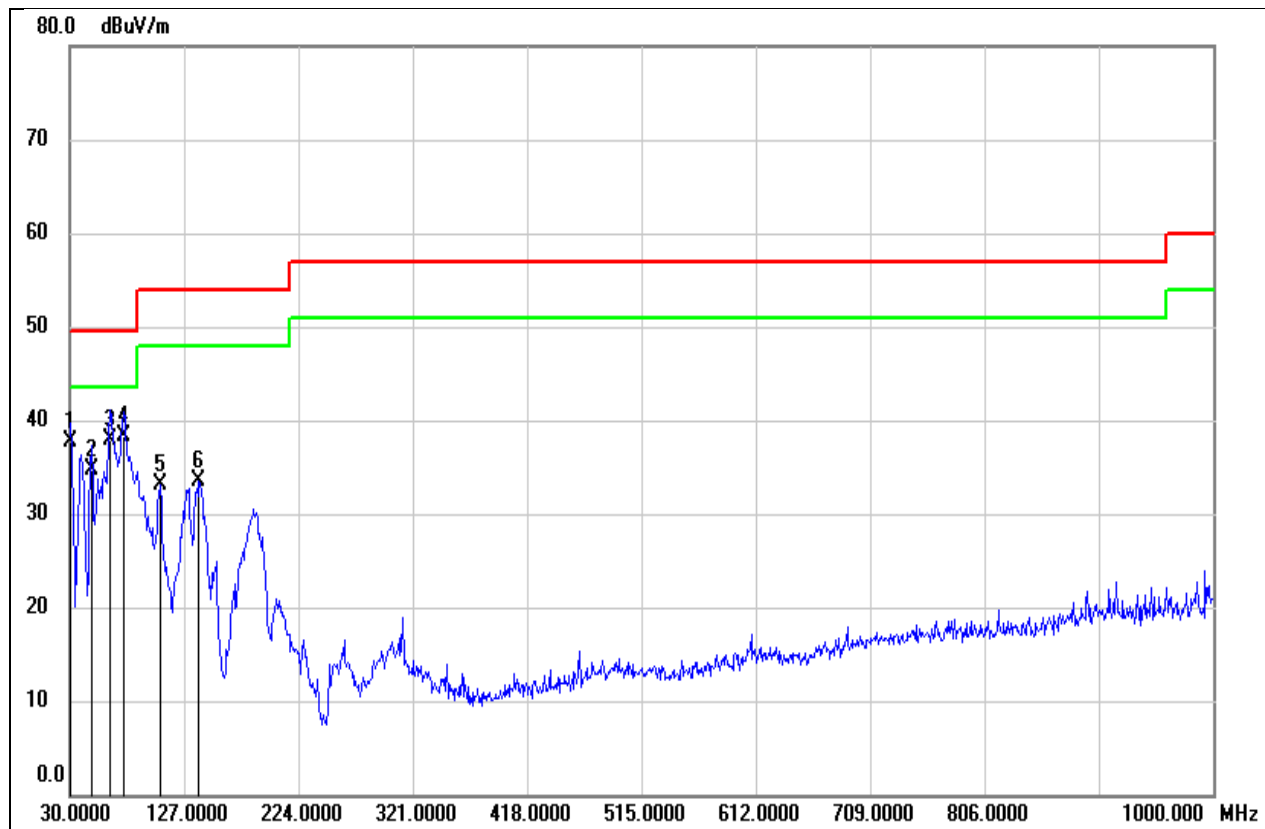
Test Mode:	M01	Polarity:	Horizontal
Test Voltage:	AC 480V_60Hz	Model:	MDX-20L-347-480



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	37.7599	46.11	-18.96	27.15	49.50	-22.35	QP
2	63.9500	54.41	-19.97	34.44	49.50	-15.06	QP
3	75.5899	54.98	-20.68	34.30	49.50	-15.20	QP
4	106.6300	52.96	-20.21	32.75	53.90	-21.15	QP
5	139.6100	43.21	-18.41	24.80	53.90	-29.10	QP
6	198.7800	40.02	-15.84	24.18	53.90	-29.72	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)
2. Margin = Result - Limit

Test Mode:	M01	Polarity:	Vertical
Test Voltage:	AC 480V_60Hz	Model:	MDX-20L-347-480

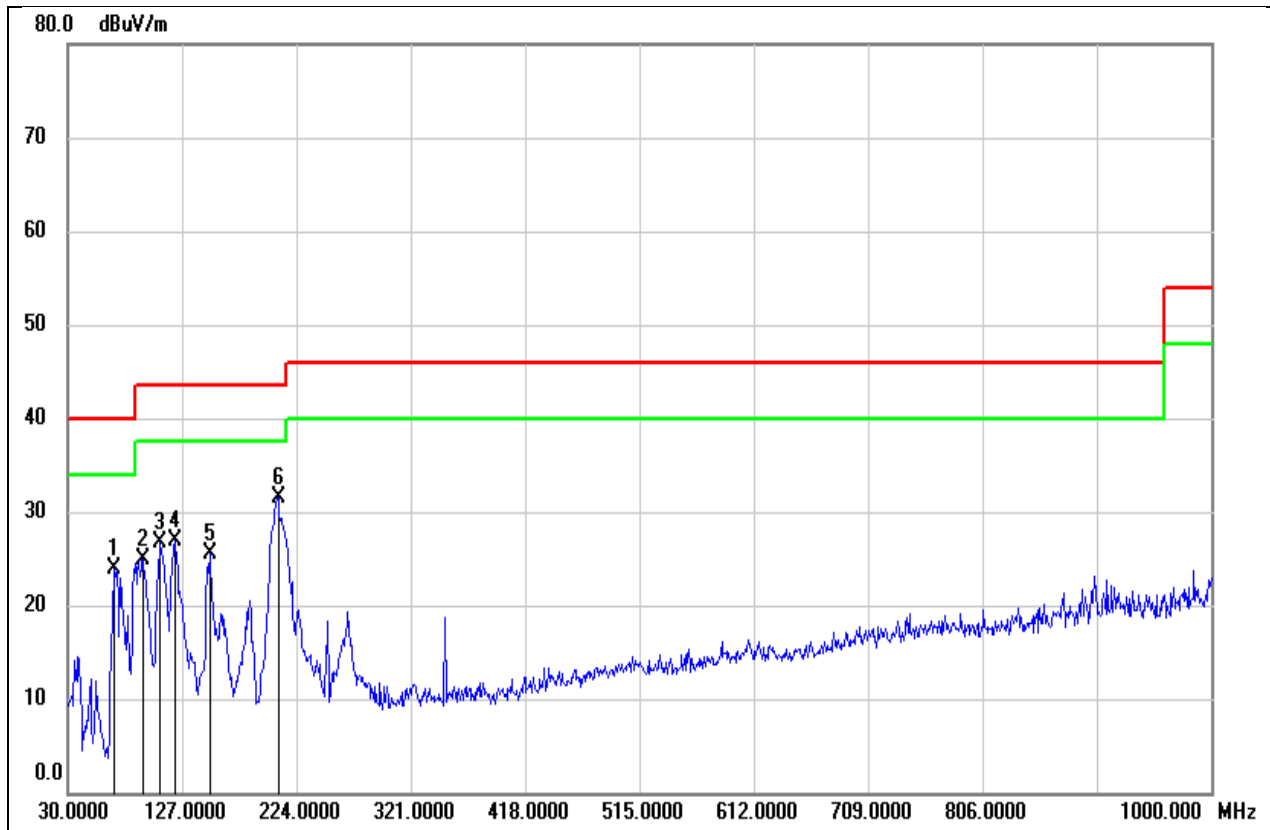


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.0000	55.48	-17.69	37.79	49.50	-11.71	QP
2	48.4300	54.64	-19.93	34.71	49.50	-14.79	QP
3	63.9500	57.82	-19.97	37.85	49.50	-11.65	QP
4	75.5899	58.98	-20.68	38.30	49.50	-11.20	QP
5	106.6300	53.30	-20.21	33.09	53.90	-20.81	QP
6	139.6100	51.82	-18.41	33.41	53.90	-20.49	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)

2. Margin = Result - Limit

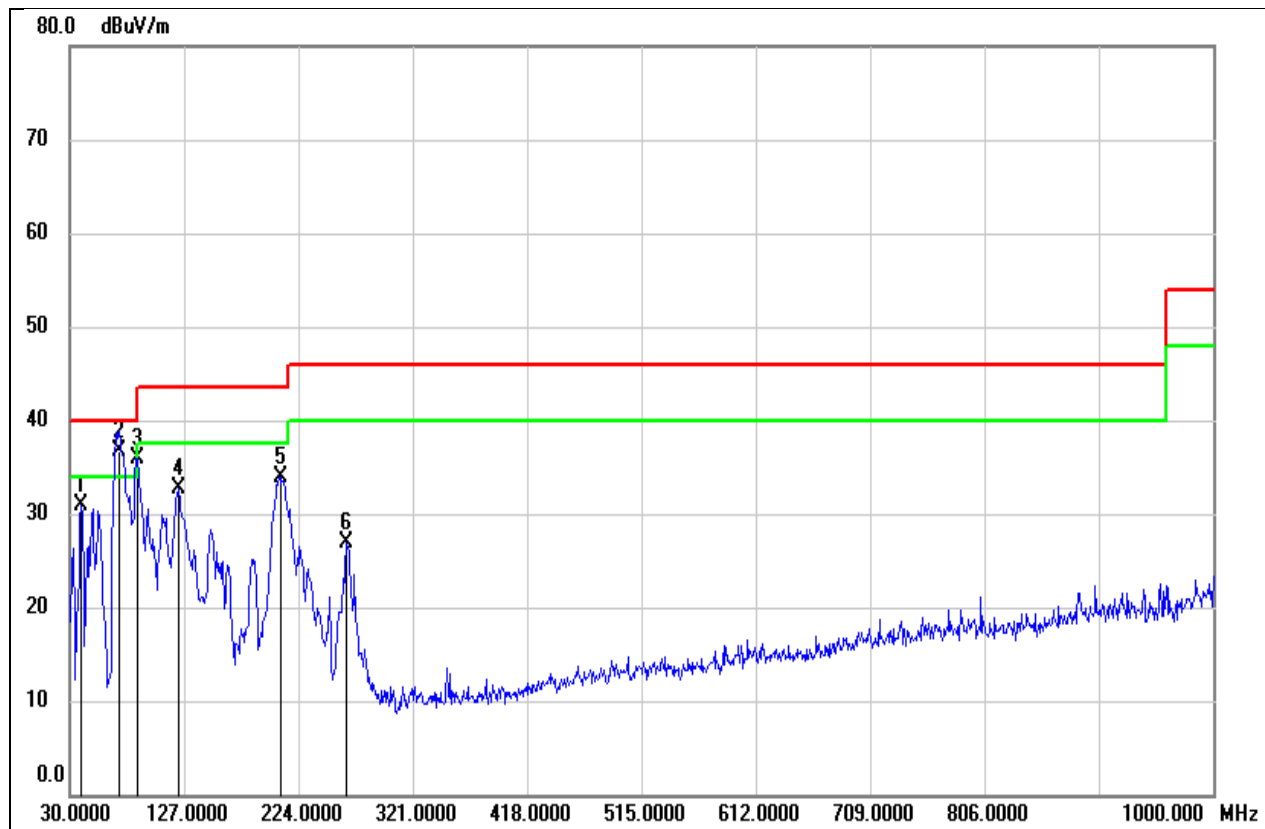
Test Mode:	M01	Polarity:	Horizontal
Test Voltage:	AC 120V_60Hz	Model:	MDX-40L-100-277



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	68.8000	44.15	-20.22	23.93	40.00	-16.07	QP
2	94.0199	46.22	-21.39	24.83	43.50	-18.67	QP
3	108.5700	46.81	-20.06	26.75	43.50	-16.75	QP
4	121.1800	46.18	-19.31	26.87	43.50	-16.63	QP
5	150.2800	43.36	-17.89	25.47	43.50	-18.03	QP
6	208.4800	47.73	-16.22	31.51	43.50	-11.99	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)
2. Margin = Result - Limit

Test Mode:	M01	Polarity:	Vertical
Test Voltage:	AC 120V_60Hz	Model:	MDX-40L-100-277

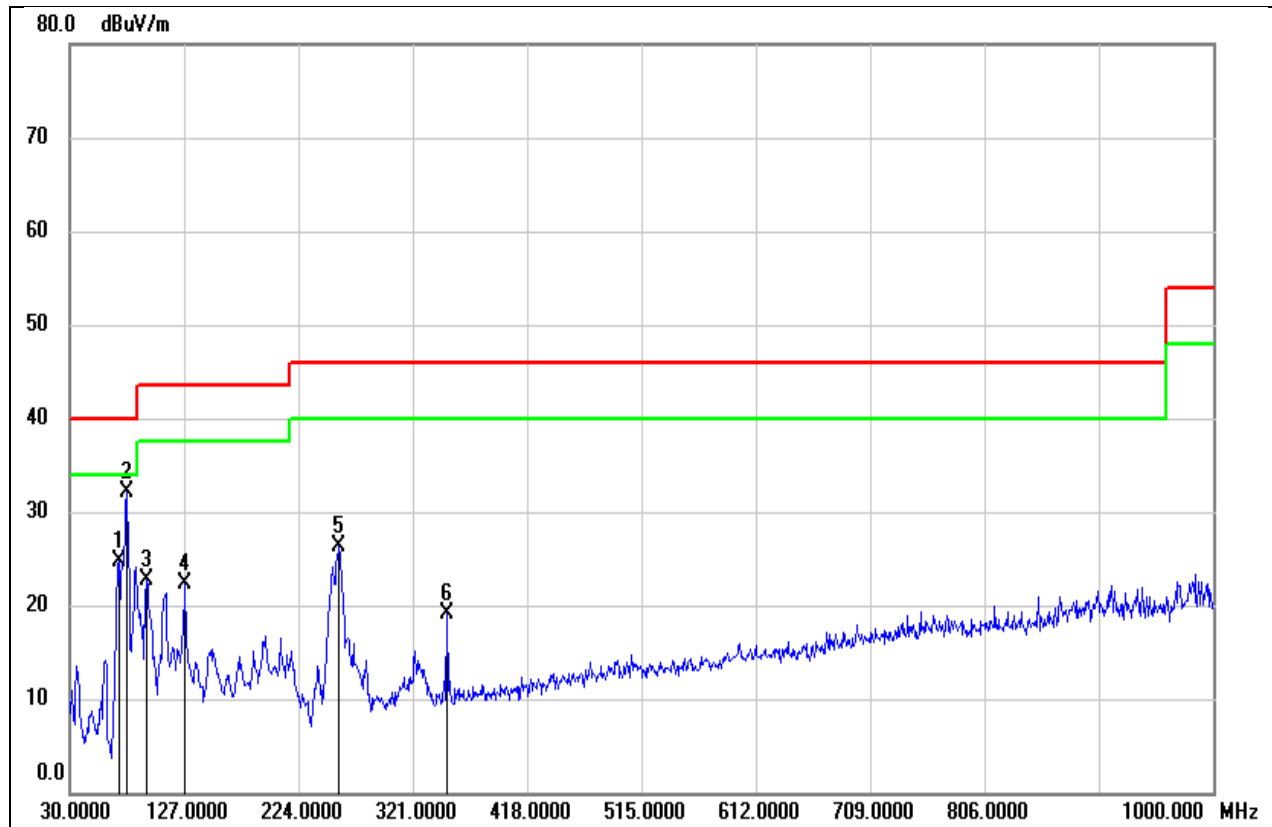


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	39.7000	50.22	-19.33	30.89	40.00	-9.11	QP
2	71.7100	57.11	-20.41	36.70	40.00	-3.30	QP
3	87.2300	57.42	-21.59	35.83	40.00	-4.17	QP
4	122.1500	51.90	-19.27	32.63	43.50	-10.87	QP
5	208.4800	50.17	-16.22	33.95	43.50	-9.55	QP
6	264.7400	44.13	-17.32	26.81	46.00	-19.19	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)

2. Margin = Result - Limit

Test Mode:	M01	Polarity:	Horizontal
Test Voltage:	AC 277V_60Hz	Model:	MDX-40L-100-277

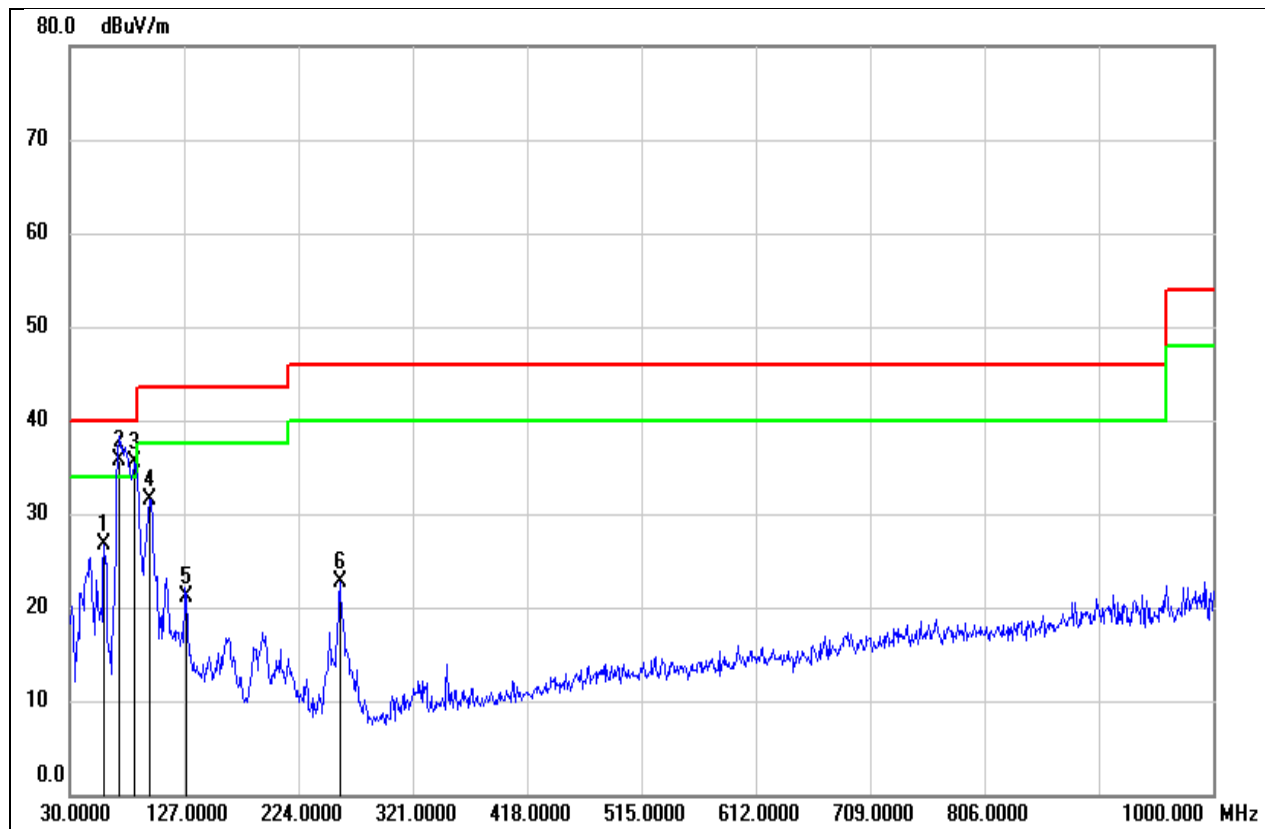


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	71.7100	45.14	-20.41	24.73	40.00	-15.27	QP
2	78.5000	52.97	-20.93	32.04	40.00	-7.96	QP
3	94.9900	44.06	-21.31	22.75	43.50	-20.75	QP
4	127.9700	41.21	-18.98	22.23	43.50	-21.27	QP
5	257.9500	44.14	-17.82	26.32	46.00	-19.68	QP
6	350.1000	31.51	-12.49	19.02	46.00	-26.98	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)

2. Margin = Result - Limit

Test Mode:	M01	Polarity:	Vertical
Test Voltage:	AC 277V_60Hz	Model:	MDX-40L-100-277

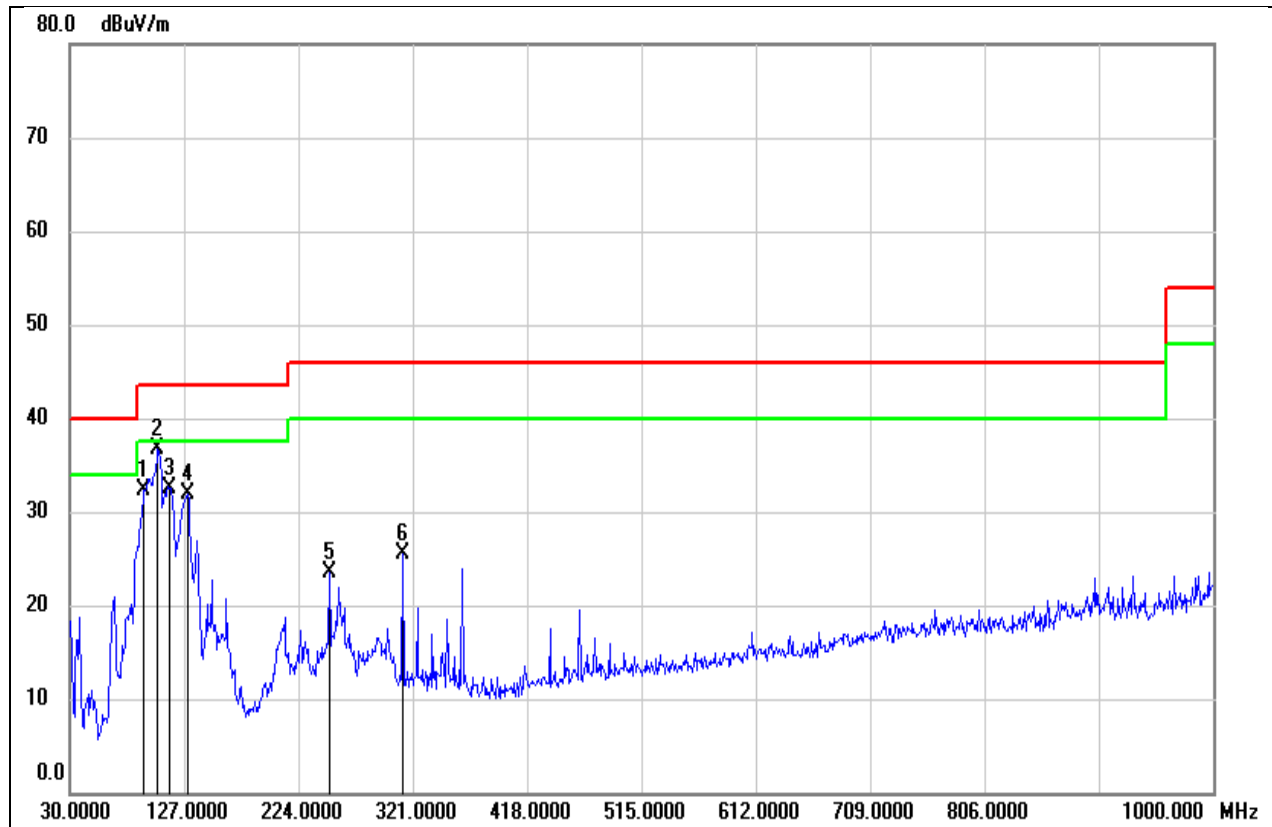


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	59.1000	46.47	-19.81	26.66	40.00	-13.34	QP
2	71.7100	56.20	-20.41	35.79	40.00	-4.21	QP
3	85.2900	56.96	-21.48	35.48	40.00	-4.52	QP
4	97.9000	52.50	-21.04	31.46	43.50	-12.04	QP
5	128.9400	39.97	-18.94	21.03	43.50	-22.47	QP
6	258.9200	40.43	-17.75	22.68	46.00	-23.32	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)

2. Margin = Result - Limit

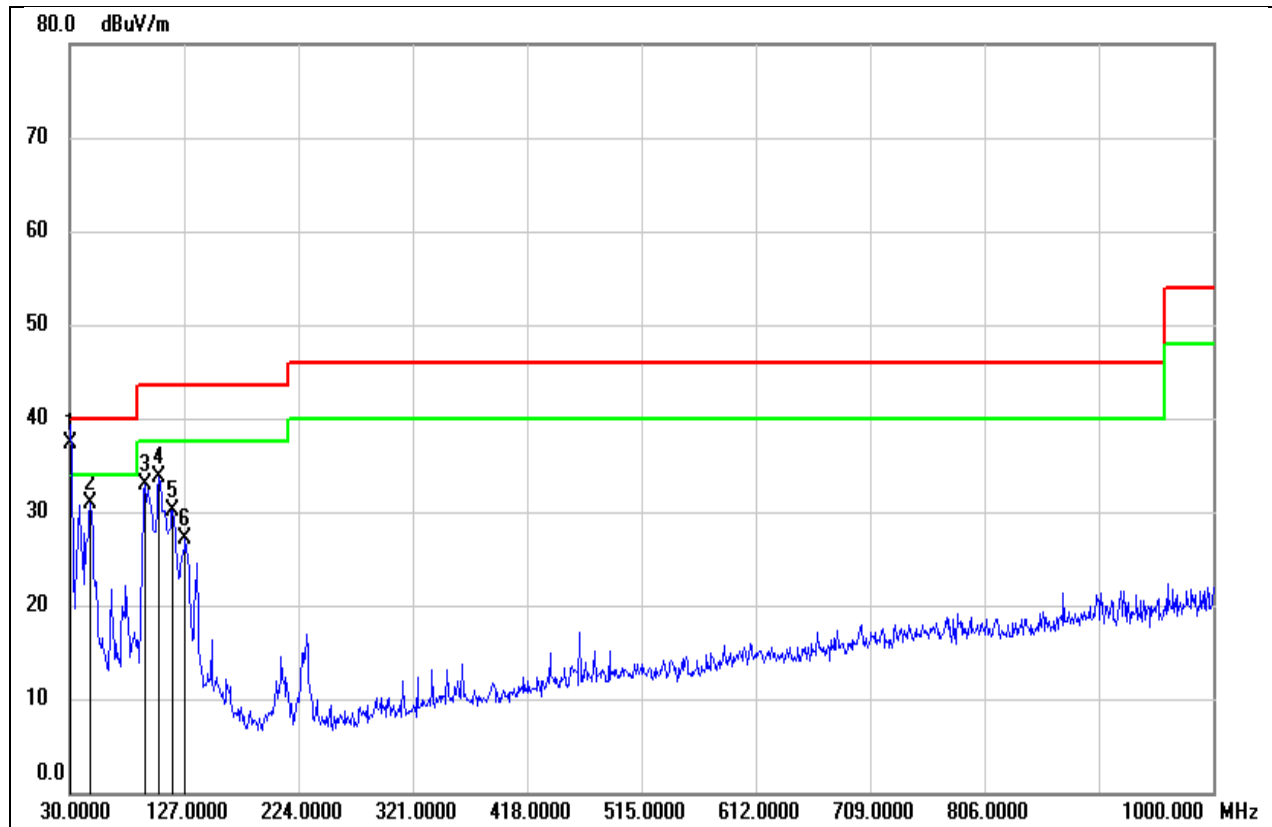
Test Mode:	M01	Polarity:	Horizontal
Test Voltage:	AC 347V_60Hz	Model:	MDX-40L-347-480



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	93.0500	53.86	-21.47	32.39	43.50	-11.11	QP
2	104.6900	57.07	-20.38	36.69	43.50	-6.81	QP
3	114.3900	52.15	-19.73	32.42	43.50	-11.08	QP
4	129.9100	50.73	-18.88	31.85	43.50	-11.65	QP
5	250.1900	41.93	-18.35	23.58	46.00	-22.42	QP
6	312.2700	39.70	-14.24	25.46	46.00	-20.54	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)
2. Margin = Result - Limit

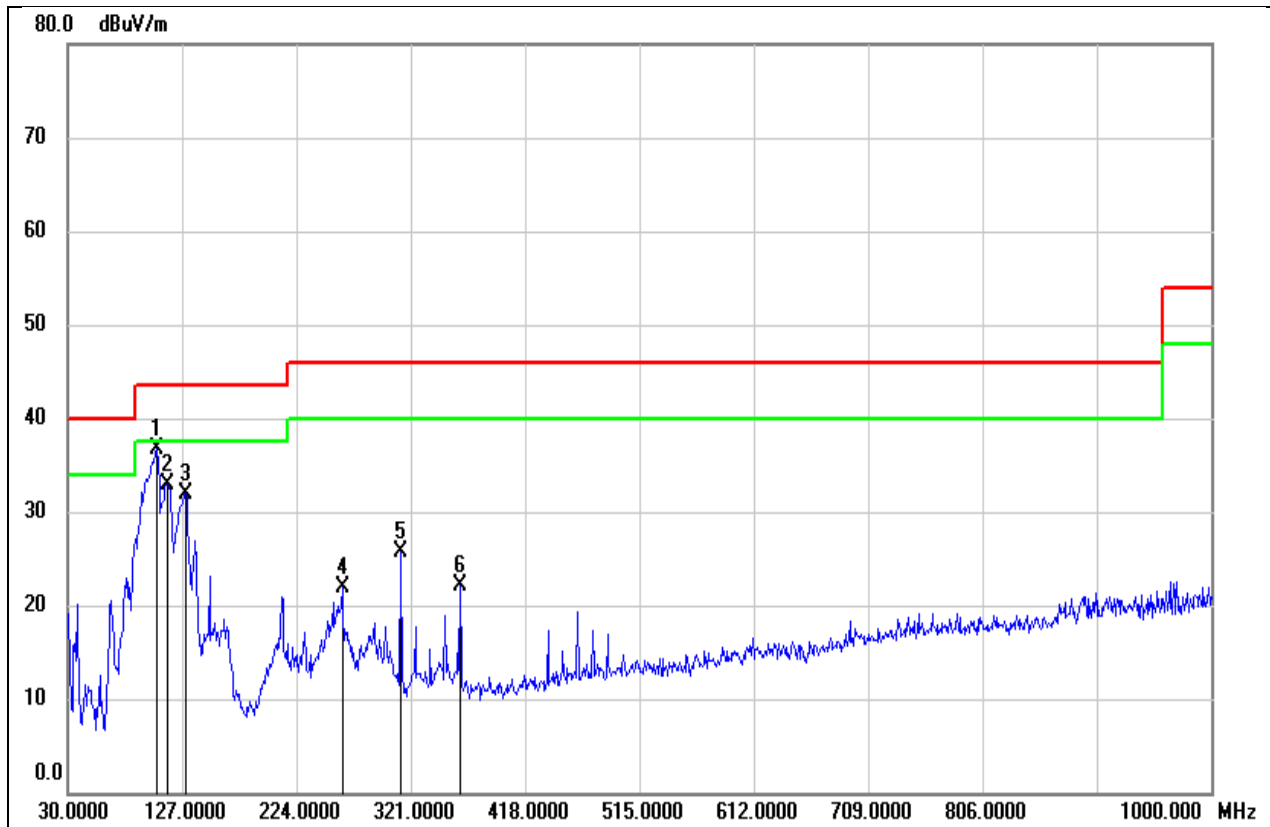
Test Mode:	M01	Polarity:	Vertical
Test Voltage:	AC 347V_60Hz	Model:	MDX-40L-347-480



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.0000	54.95	-17.69	37.26	40.00	-2.74	QP
2	47.4600	50.77	-19.87	30.90	40.00	-9.10	QP
3	94.0199	54.34	-21.39	32.95	43.50	-10.55	QP
4	105.6600	54.08	-20.30	33.78	43.50	-9.72	QP
5	117.3000	49.70	-19.55	30.15	43.50	-13.35	QP
6	127.9700	46.01	-18.98	27.03	43.50	-16.47	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)
2. Margin = Result - Limit

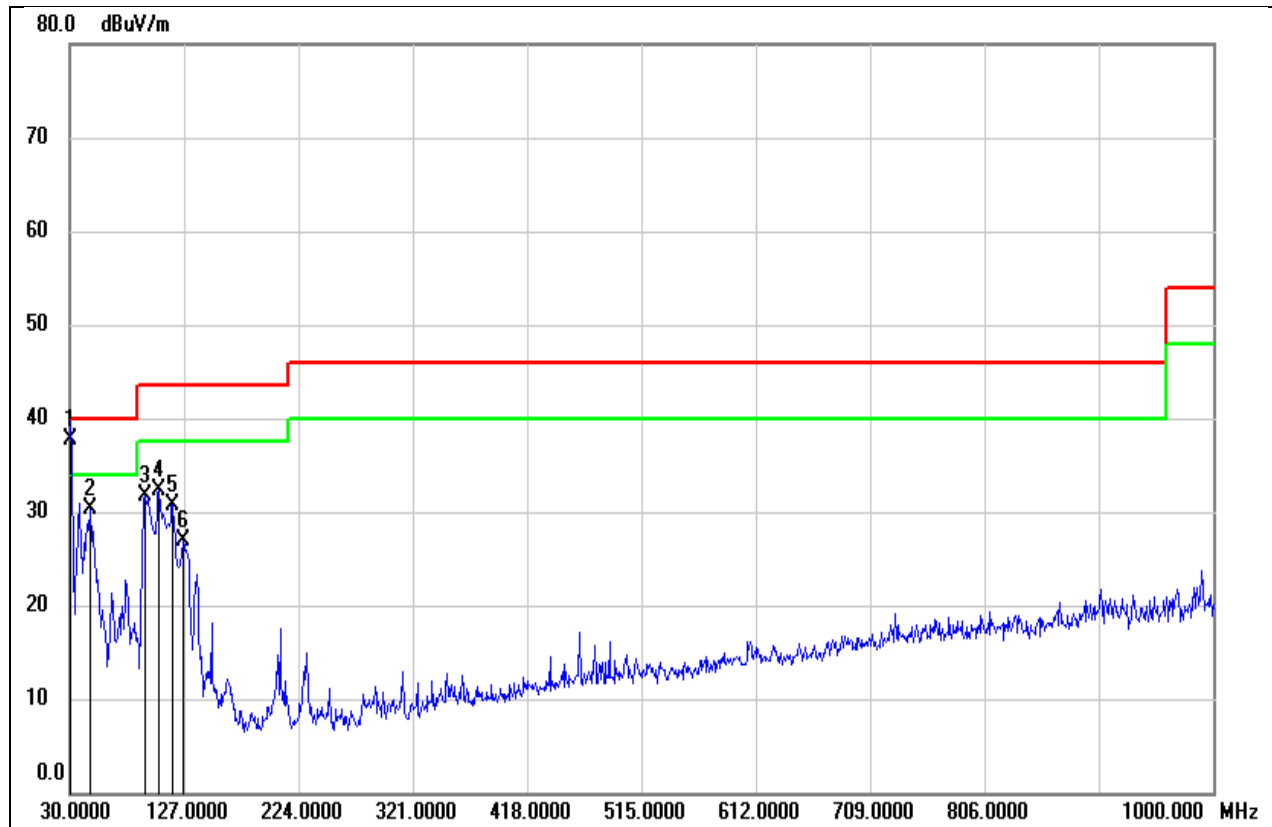
Test Mode:	M01	Polarity:	Horizontal
Test Voltage:	AC 480V_60Hz	Model:	MDX-40L-347-480



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	105.6600	57.06	-20.30	36.76	43.50	-6.74	QP
2	114.3900	52.71	-19.73	32.98	43.50	-10.52	QP
3	129.9100	50.80	-18.88	31.92	43.50	-11.58	QP
4	262.8000	39.46	-17.47	21.99	46.00	-24.01	QP
5	312.2700	39.87	-14.24	25.63	46.00	-20.37	QP
6	362.7100	34.46	-12.45	22.01	46.00	-23.99	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)
2. Margin = Result - Limit

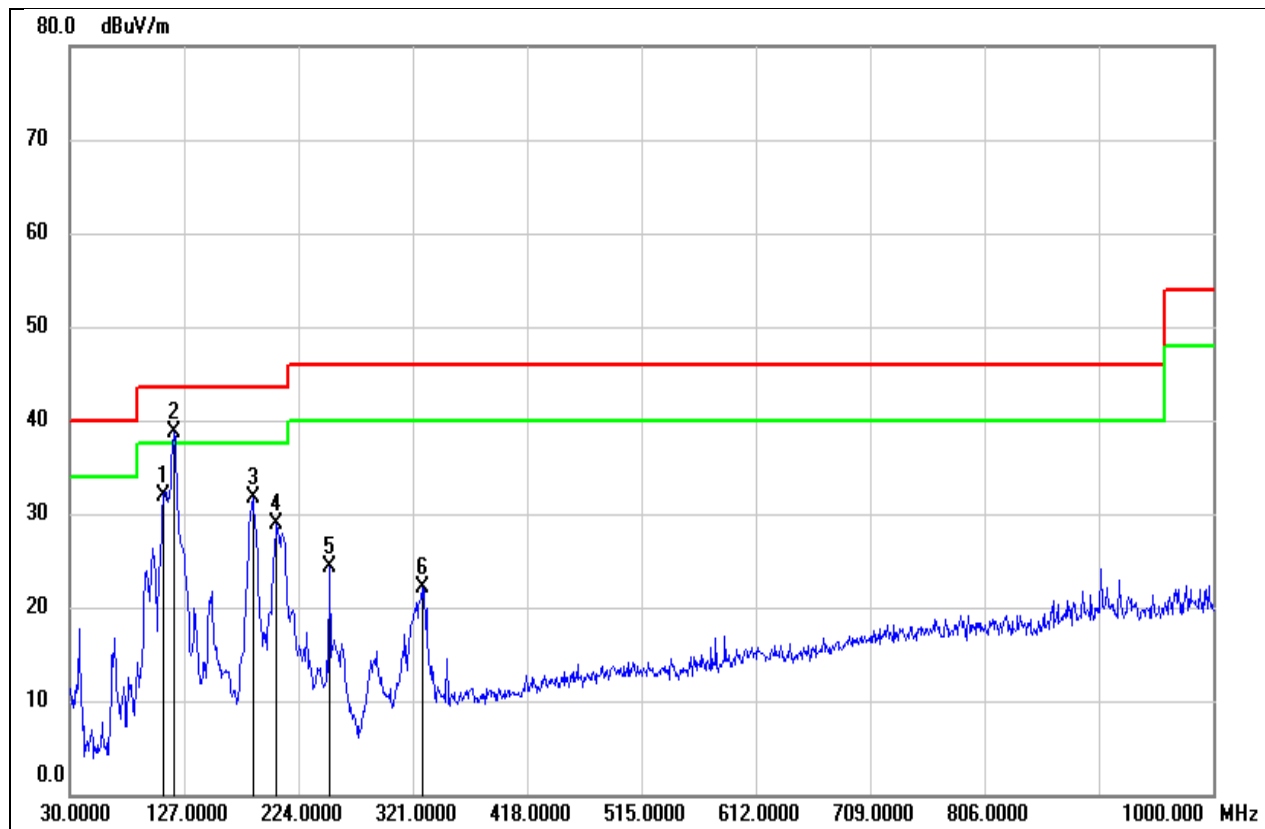
Test Mode:	M01	Polarity:	Vertical
Test Voltage:	AC 480V_60Hz	Model:	MDX-40L-347-480



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.0000	55.37	-17.69	37.68	40.00	-2.32	QP
2	47.4600	50.20	-19.87	30.33	40.00	-9.67	QP
3	94.0199	53.04	-21.39	31.65	43.50	-11.85	QP
4	105.6600	52.57	-20.30	32.27	43.50	-11.23	QP
5	117.3000	50.20	-19.55	30.65	43.50	-12.85	QP
6	126.0300	45.98	-19.08	26.90	43.50	-16.60	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)
2. Margin = Result - Limit

Test Mode:	M01	Polarity:	Horizontal
Test Voltage:	AC 120V_60Hz	Model:	MDX-50L-100-277

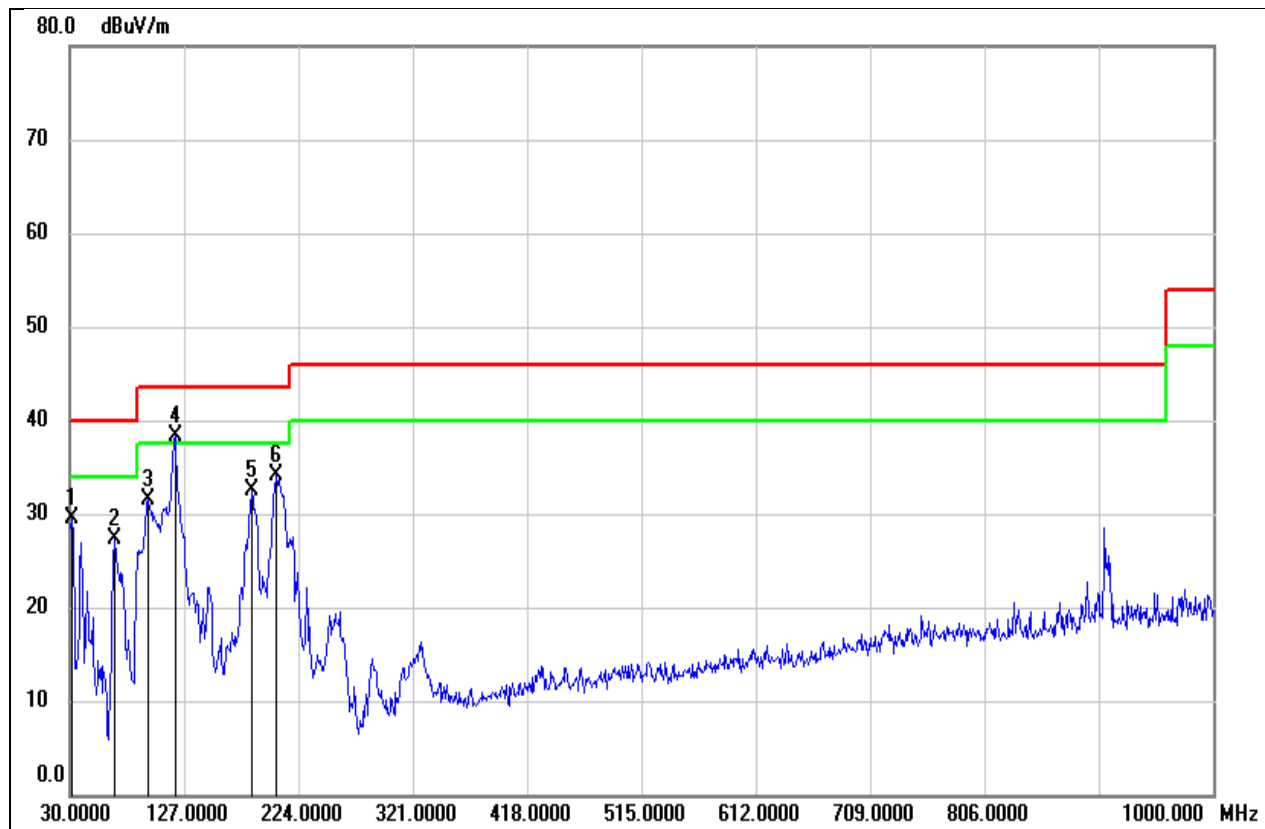


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	109.5400	51.96	-19.98	31.98	43.50	-11.52	QP
2	118.2700	58.26	-19.49	38.77	43.50	-4.73	QP
3	185.2000	47.59	-15.98	31.61	43.50	-11.89	QP
4	205.5700	45.03	-16.08	28.95	43.50	-14.55	QP
5	250.1900	42.71	-18.35	24.36	46.00	-21.64	QP
6	328.7600	35.65	-13.47	22.18	46.00	-23.82	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)

2. Margin = Result - Limit

Test Mode:	M01	Polarity:	Vertical
Test Voltage:	AC 120V_60Hz	Model:	MDX-50L-100-277

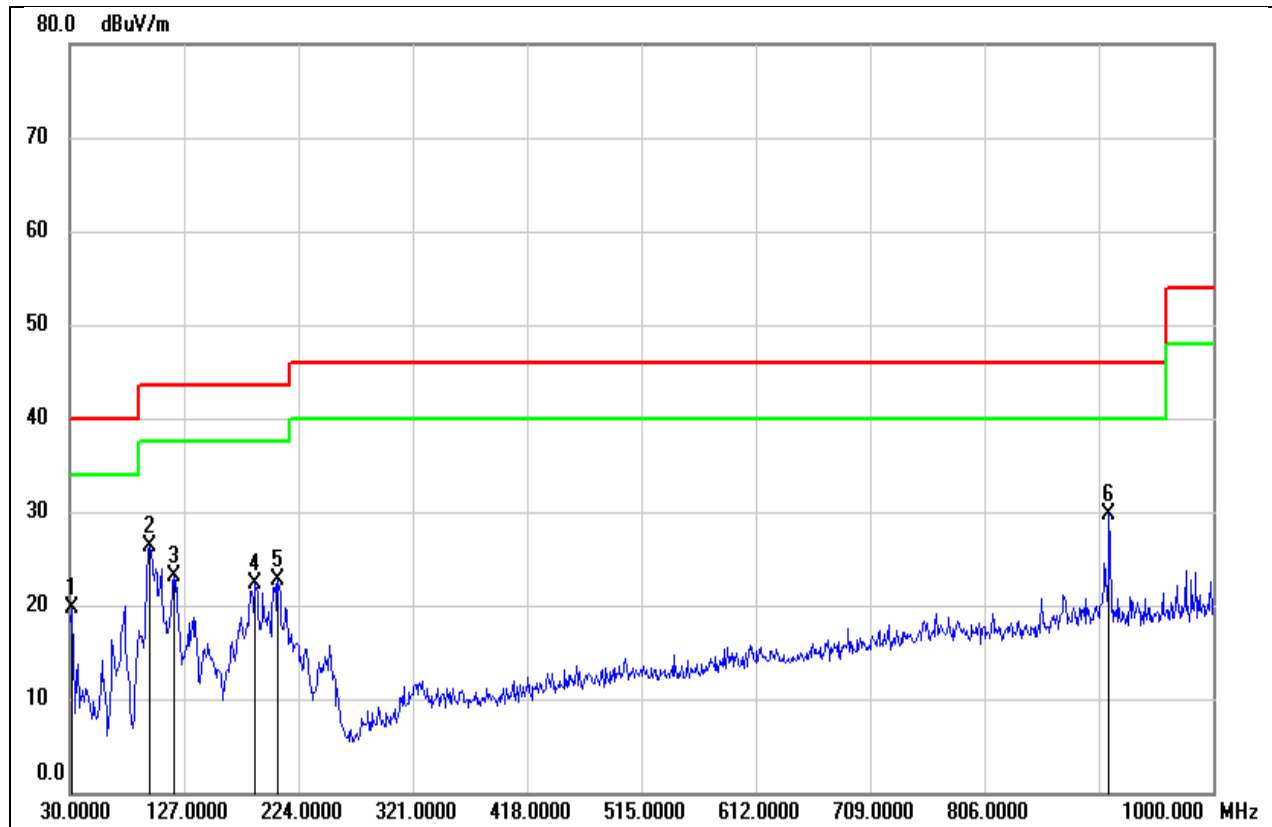


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	31.9400	47.56	-17.99	29.57	40.00	-10.43	QP
2	67.8300	47.55	-20.16	27.39	40.00	-12.61	QP
3	95.9600	52.79	-21.22	31.57	43.50	-11.93	QP
4	119.2400	57.70	-19.42	38.28	43.50	-5.22	QP
5	184.2300	48.46	-15.96	32.50	43.50	-11.00	QP
6	205.5700	50.14	-16.08	34.06	43.50	-9.44	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)

2. Margin = Result - Limit

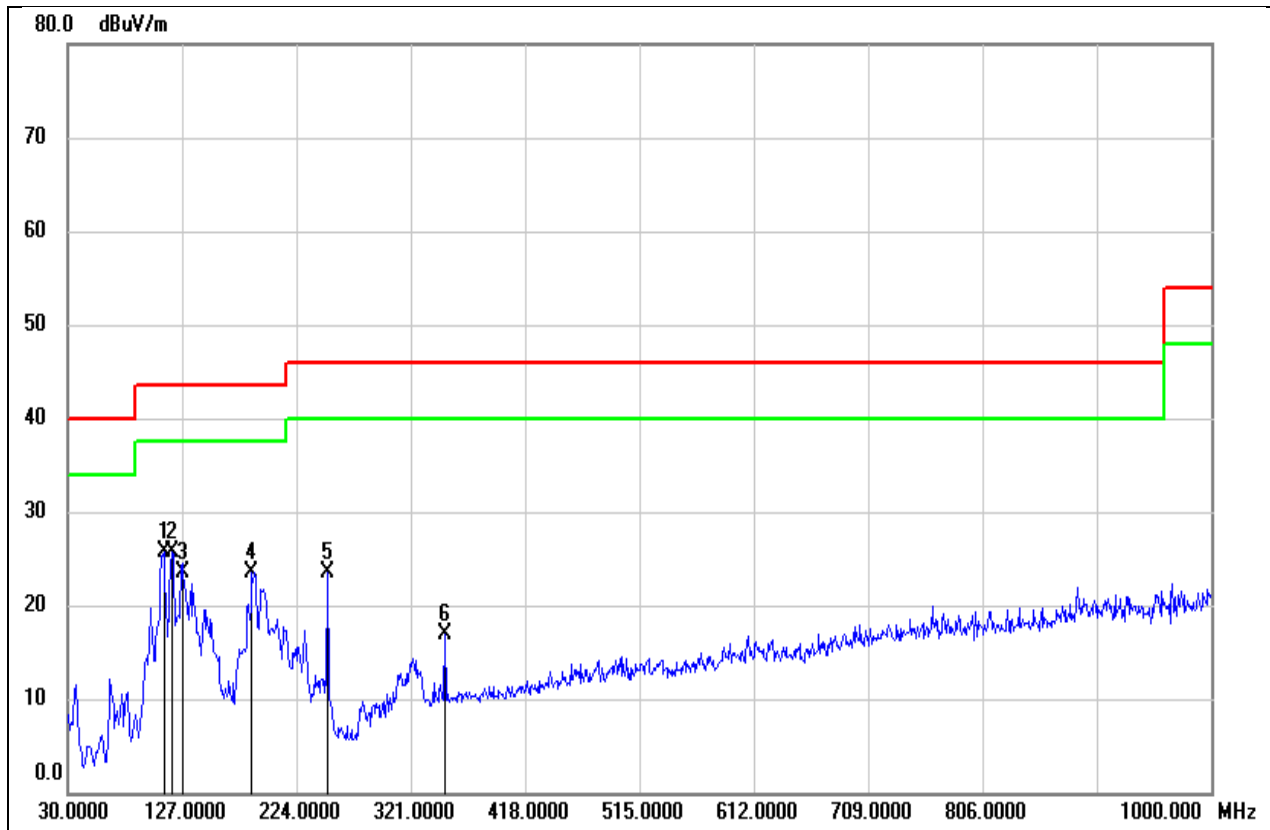
Test Mode:	M01	Polarity:	Vertical
Test Voltage:	AC 277V_60Hz	Model:	MDX-50L-100-277



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	31.9400	37.68	-17.99	19.69	40.00	-20.31	QP
2	97.9000	47.39	-21.04	26.35	43.50	-17.15	QP
3	118.2700	42.52	-19.49	23.03	43.50	-20.47	QP
4	187.1400	38.23	-16.01	22.22	43.50	-21.28	QP
5	206.5399	38.94	-16.14	22.80	43.50	-20.70	QP
6	911.7300	34.12	-4.45	29.67	46.00	-16.33	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)
2. Margin = Result - Limit

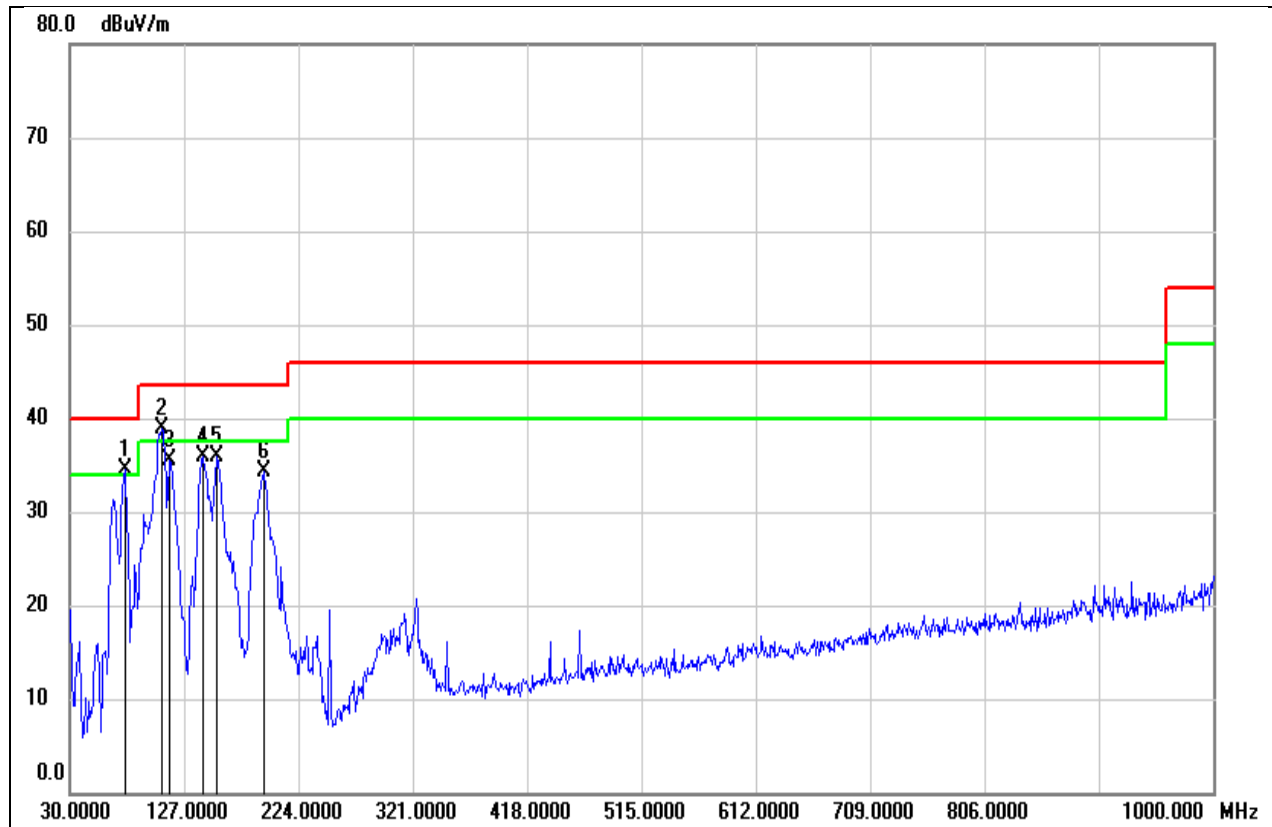
Test Mode:	M01	Polarity:	Horizontal
Test Voltage:	AC 277V_60Hz	Model:	MDX-50L-100-277



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	111.4800	45.54	-19.88	25.66	43.50	-17.84	QP
2	118.2700	45.16	-19.49	25.67	43.50	-17.83	QP
3	127.9700	42.58	-18.98	23.60	43.50	-19.90	QP
4	186.1700	39.56	-16.01	23.55	43.50	-19.95	QP
5	250.1900	41.95	-18.35	23.60	46.00	-22.40	QP
6	350.1000	29.41	-12.49	16.92	46.00	-29.08	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)
2. Margin = Result - Limit

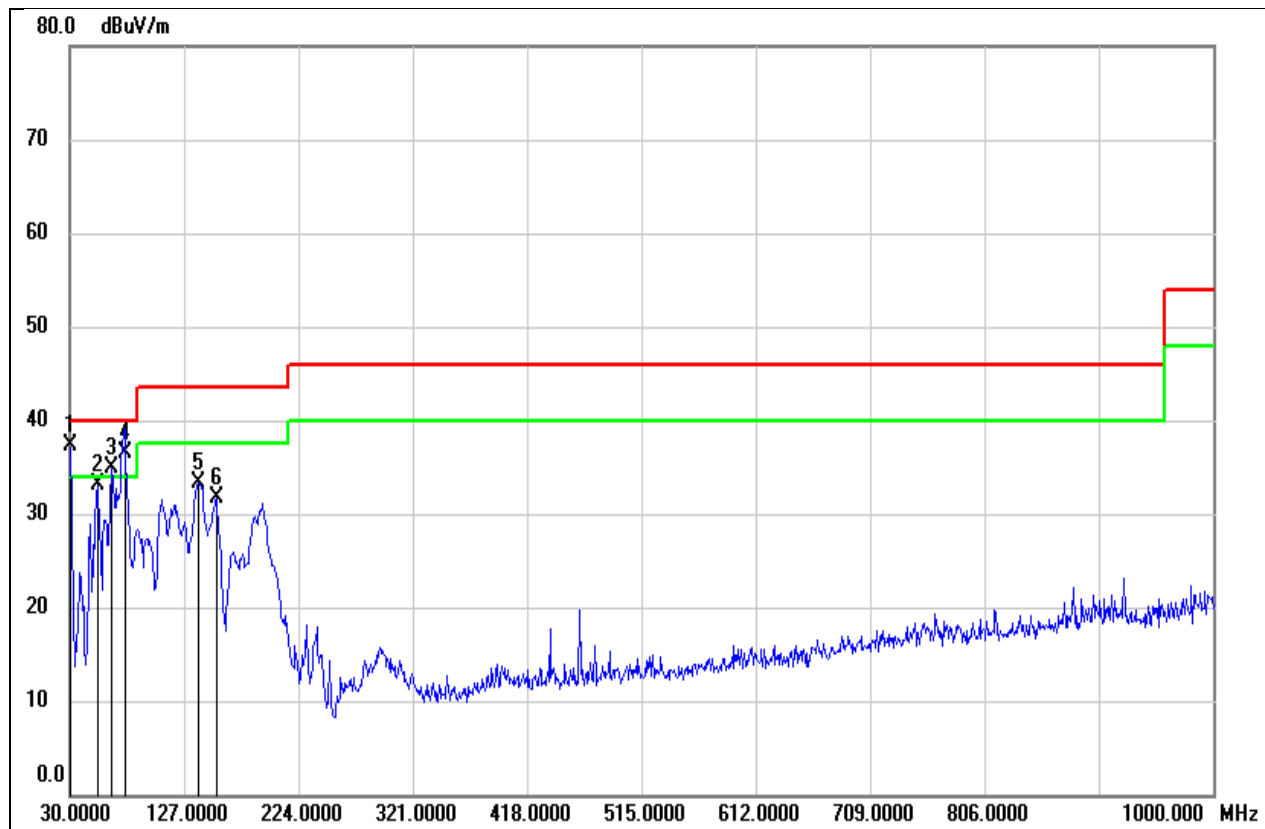
Test Mode:	M01	Polarity:	Horizontal
Test Voltage:	AC 347V_60Hz	Model:	MDX-50L-347-480



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	76.5600	55.18	-20.76	34.42	40.00	-5.58	QP
2	108.5700	58.92	-20.06	38.86	43.50	-4.64	QP
3	114.3900	55.24	-19.73	35.51	43.50	-7.99	QP
4	142.5200	54.15	-18.27	35.88	43.50	-7.62	QP
5	155.1300	53.35	-17.44	35.91	43.50	-7.59	QP
6	194.9000	50.13	-15.90	34.23	43.50	-9.27	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)
2. Margin = Result - Limit

Test Mode:	M01	Polarity:	Vertical
Test Voltage:	AC 347V_60Hz	Model:	MDX-50L-347-480

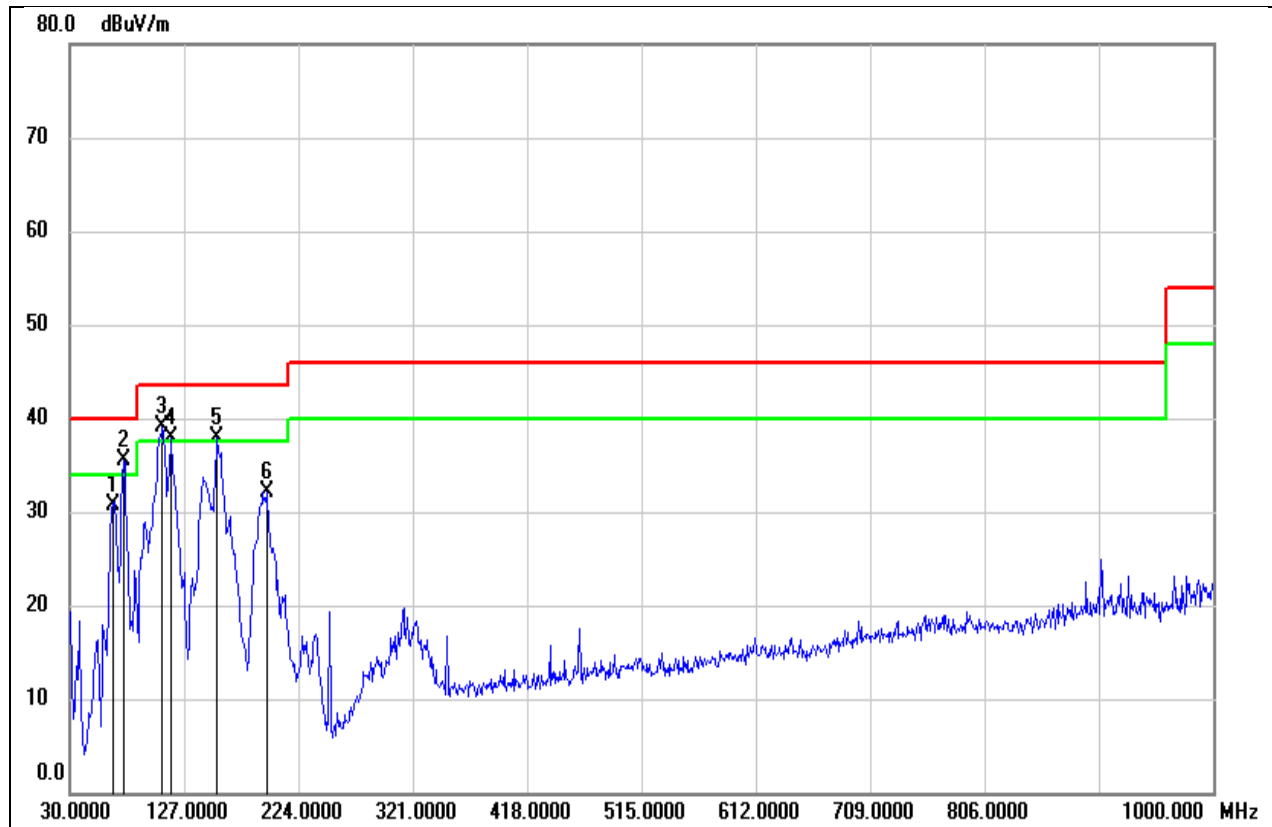


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.0000	54.99	-17.69	37.30	40.00	-2.70	QP
2	53.2800	53.18	-20.00	33.18	40.00	-6.82	QP
3	64.9200	54.92	-20.01	34.91	40.00	-5.09	QP
4	76.5600	57.33	-20.76	36.57	40.00	-3.43	QP
5	139.6100	51.78	-18.41	33.37	43.50	-10.13	QP
6	154.1600	49.18	-17.53	31.65	43.50	-11.85	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)

2. Margin = Result - Limit

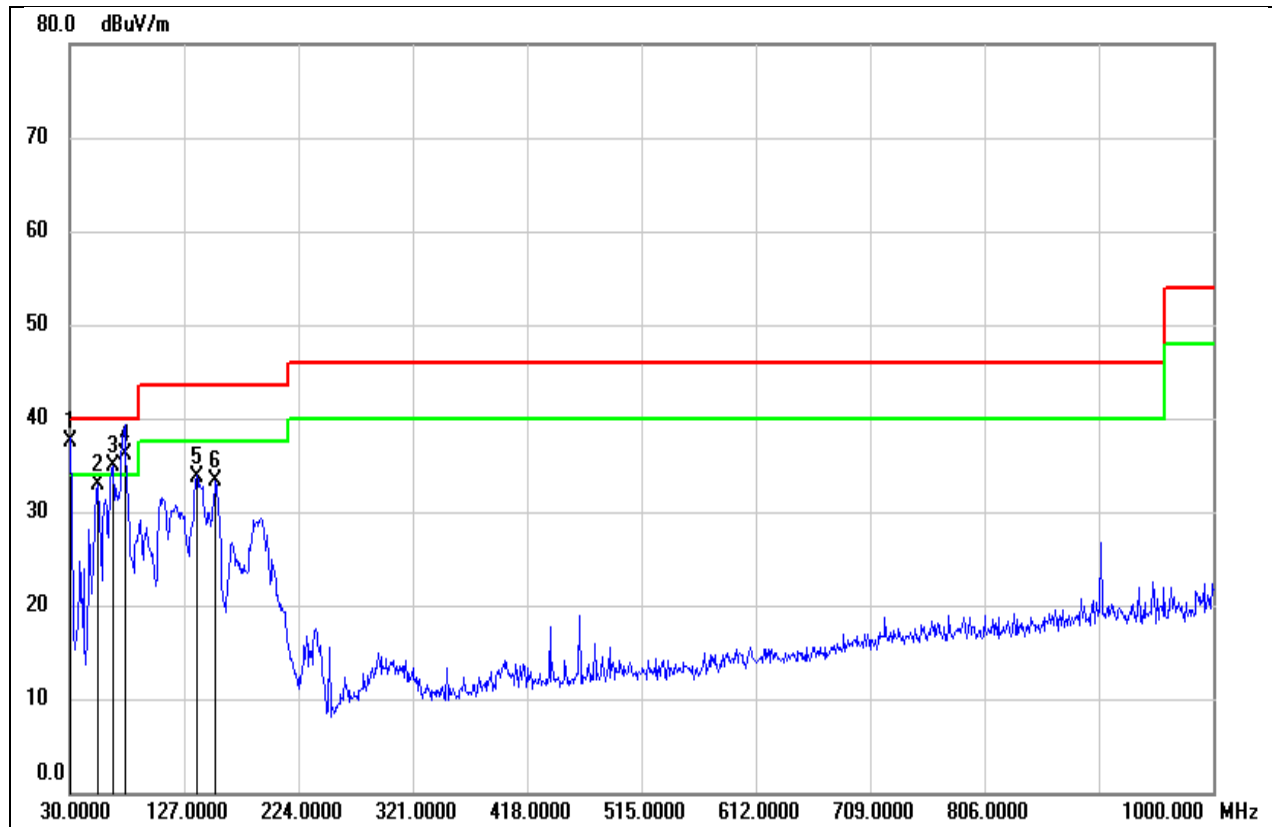
Test Mode:	M01	Polarity:	Horizontal
Test Voltage:	AC 480V_60Hz	Model:	MDX-50L-347-480



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	66.8600	50.84	-20.11	30.73	40.00	-9.27	QP
2	75.5899	56.09	-20.68	35.41	40.00	-4.59	QP
3	108.5700	59.21	-20.06	39.15	43.50	-4.35	QP
4	116.3300	57.61	-19.62	37.99	43.50	-5.51	QP
5	155.1300	55.26	-17.44	37.82	43.50	-5.68	QP
6	196.8400	48.05	-15.87	32.18	43.50	-11.32	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)
2. Margin = Result - Limit

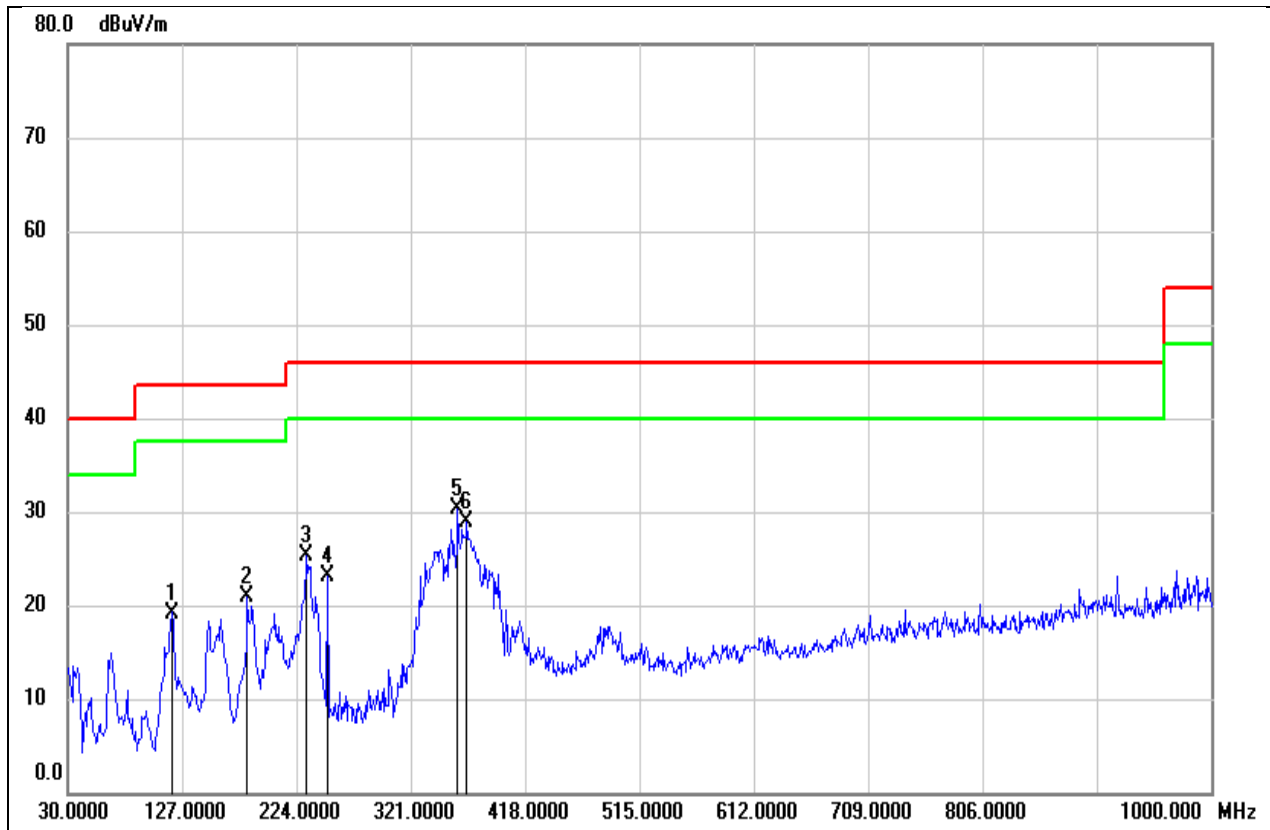
Test Mode:	M01	Polarity:	Vertical
Test Voltage:	AC 480V_60Hz	Model:	MDX-50L-347-480



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.0000	55.25	-17.69	37.56	40.00	-2.44	QP
2	53.2800	52.90	-20.00	32.90	40.00	-7.10	QP
3	66.8600	54.95	-20.11	34.84	40.00	-5.16	QP
4	76.5600	56.79	-20.76	36.03	40.00	-3.97	QP
5	137.6700	52.30	-18.50	33.80	43.50	-9.70	QP
6	153.1900	50.85	-17.61	33.24	43.50	-10.26	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)
2. Margin = Result - Limit

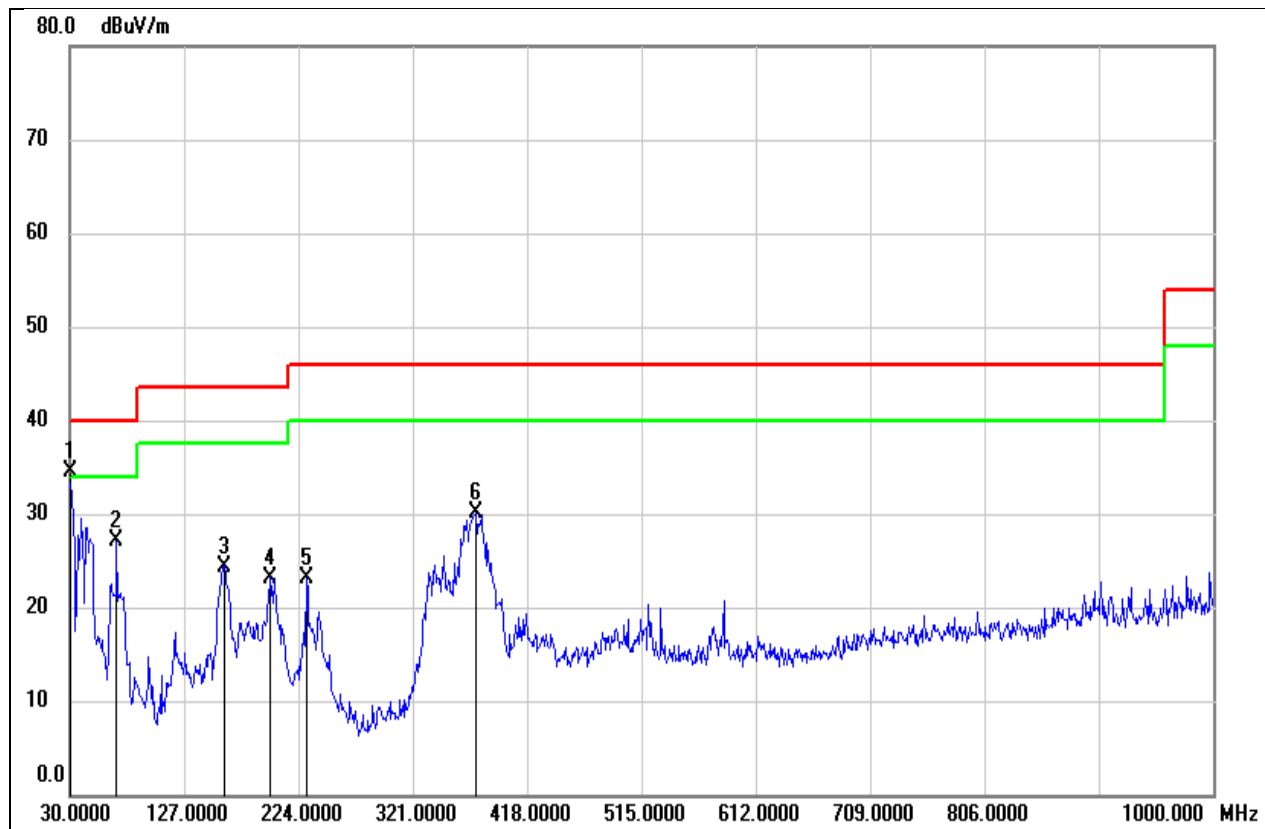
Test Mode:	M01	Polarity:	Horizontal
Test Voltage:	AC 120V_60Hz	Model:	MDX-70L-120-277



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	118.2700	38.69	-19.49	19.20	43.50	-24.30	QP
2	182.2899	36.83	-15.92	20.91	43.50	-22.59	QP
3	232.7300	42.73	-17.44	25.29	46.00	-20.71	QP
4	250.1900	41.50	-18.35	23.15	46.00	-22.85	QP
5	360.7700	42.69	-12.44	30.25	46.00	-15.75	QP
6	368.5300	41.37	-12.49	28.88	46.00	-17.12	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)
2. Margin = Result - Limit

Test Mode:	M01	Polarity:	Vertical
Test Voltage:	AC 120V_60Hz	Model:	MDX-70L-120-277

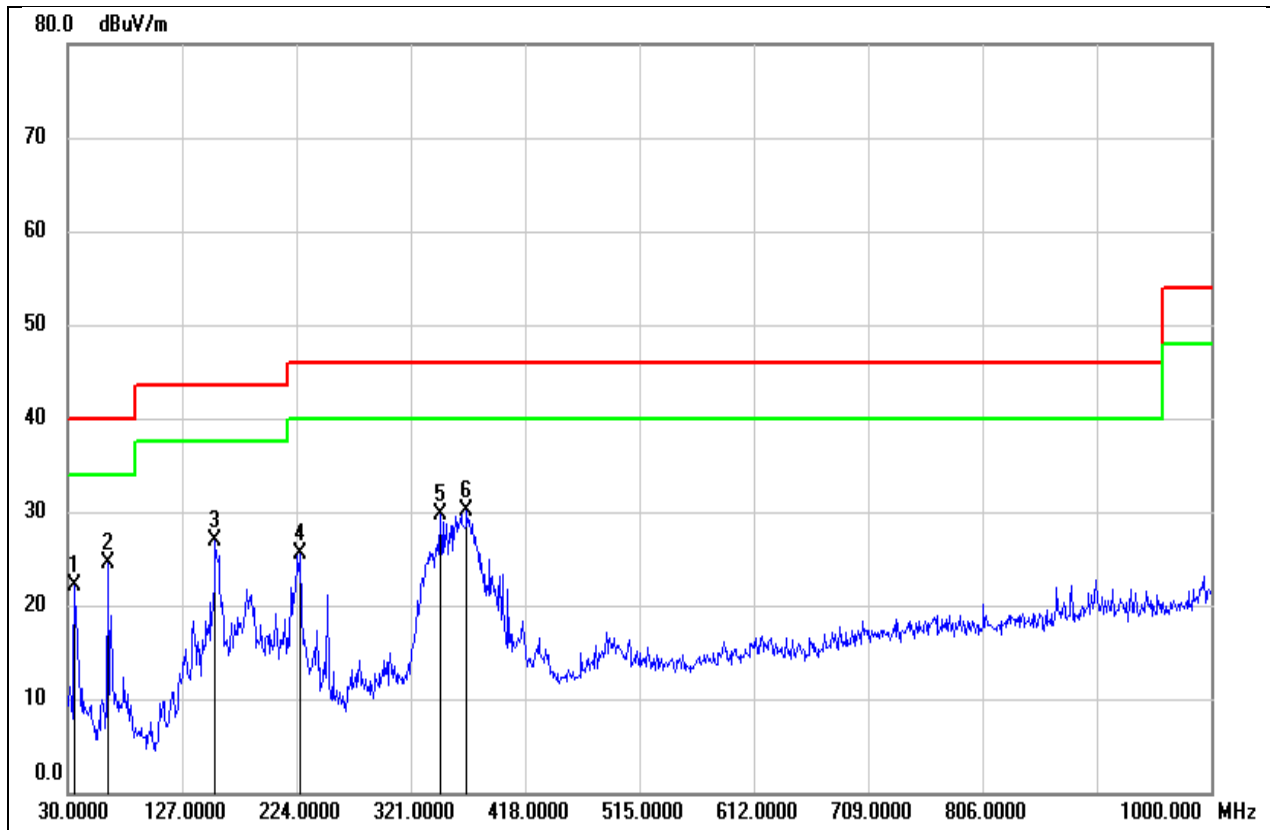


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.0000	52.14	-17.69	34.45	40.00	-5.55	QP
2	69.7699	47.29	-20.28	27.01	40.00	-12.99	QP
3	160.9500	41.32	-16.92	24.40	43.50	-19.10	QP
4	199.7500	39.02	-15.82	23.20	43.50	-20.30	QP
5	230.7900	40.49	-17.33	23.16	46.00	-22.84	QP
6	374.3500	42.55	-12.50	30.05	46.00	-15.95	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)

2. Margin = Result - Limit

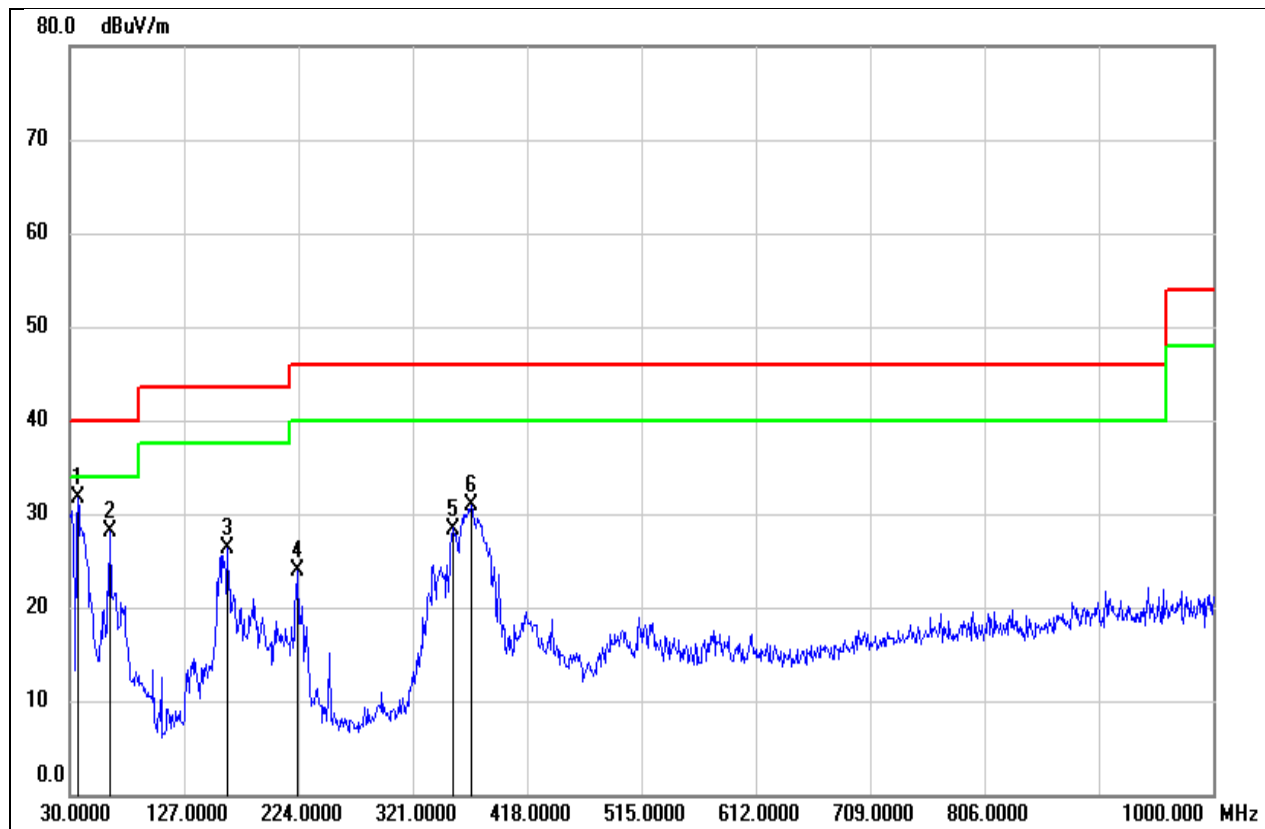
Test Mode:	M01	Polarity:	Horizontal
Test Voltage:	AC 277V_60Hz	Model:	MDX-70L-120-277



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	35.8200	40.78	-18.70	22.08	40.00	-17.92	QP
2	63.9500	44.53	-19.97	24.56	40.00	-15.44	QP
3	155.1300	44.40	-17.44	26.96	43.50	-16.54	QP
4	226.9100	42.60	-17.15	25.45	46.00	-20.55	QP
5	346.2200	42.33	-12.68	29.65	46.00	-16.35	QP
6	368.5300	42.55	-12.49	30.06	46.00	-15.94	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)
2. Margin = Result - Limit

Test Mode:	M01	Polarity:	Vertical
Test Voltage:	AC 277V_60Hz	Model:	MDX-70L-120-277

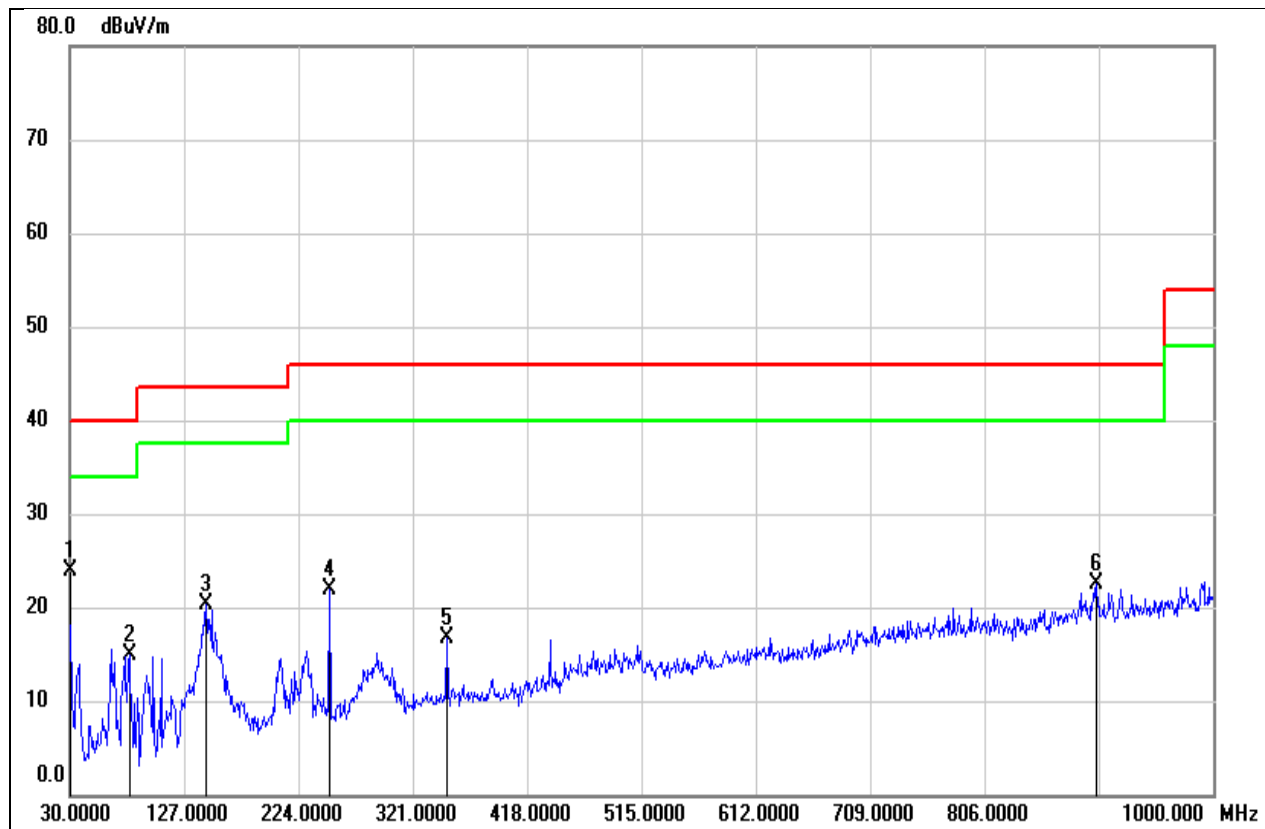


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	36.7900	50.49	-18.83	31.66	40.00	-8.34	QP
2	63.9500	48.13	-19.97	28.16	40.00	-11.84	QP
3	163.8600	42.97	-16.74	26.23	43.50	-17.27	QP
4	223.0300	40.93	-16.99	23.94	46.00	-22.06	QP
5	354.9500	40.87	-12.47	28.40	46.00	-17.60	QP
6	370.4700	43.31	-12.50	30.81	46.00	-15.19	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)

2. Margin = Result - Limit

Test Mode:	M01	Polarity:	Horizontal
Test Voltage:	AC 347V_60Hz	Model:	MDX-70L-347-480

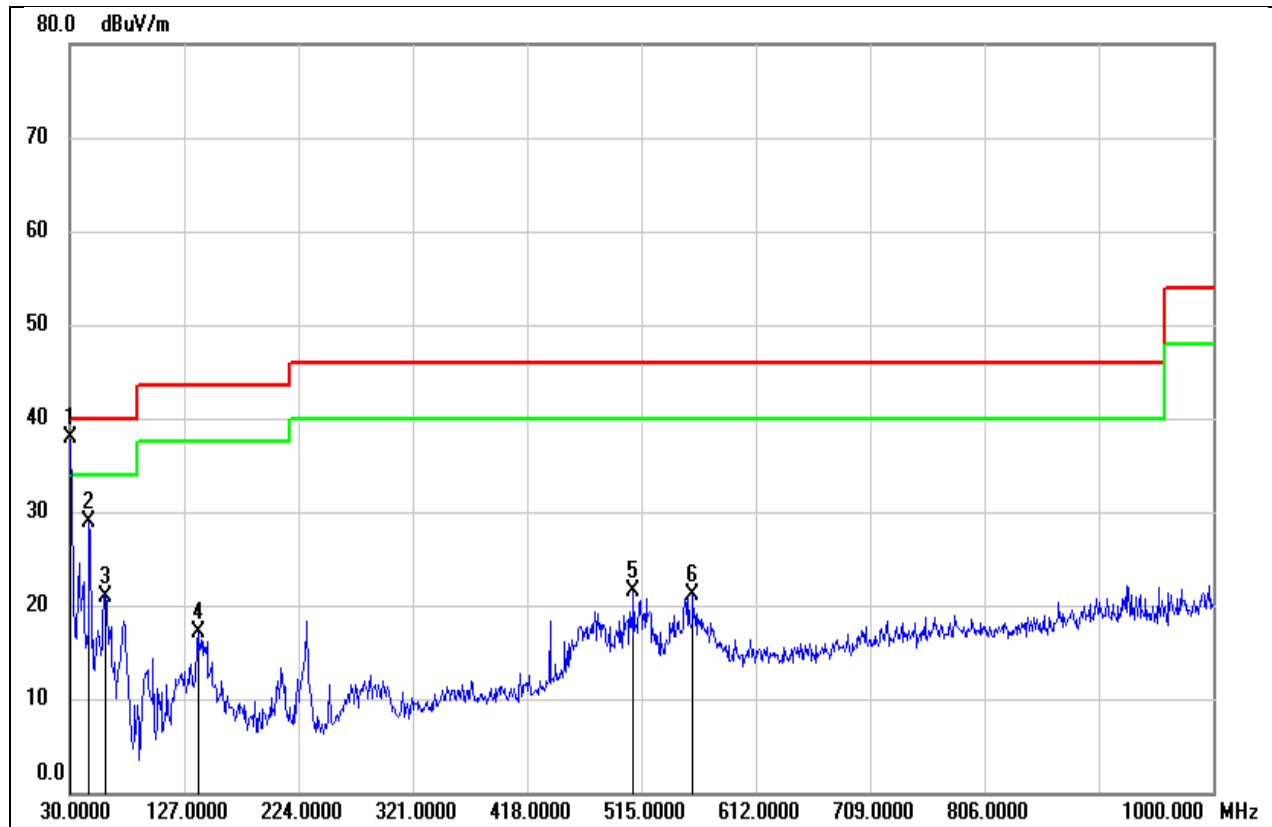


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.0000	41.64	-17.69	23.95	40.00	-16.05	QP
2	80.4400	36.06	-21.09	14.97	40.00	-25.03	QP
3	145.4299	38.49	-18.13	20.36	43.50	-23.14	QP
4	250.1900	40.23	-18.35	21.88	46.00	-24.12	QP
5	350.1000	29.16	-12.49	16.67	46.00	-29.33	QP
6	901.0600	27.06	-4.47	22.59	46.00	-23.41	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)

2. Margin = Result - Limit

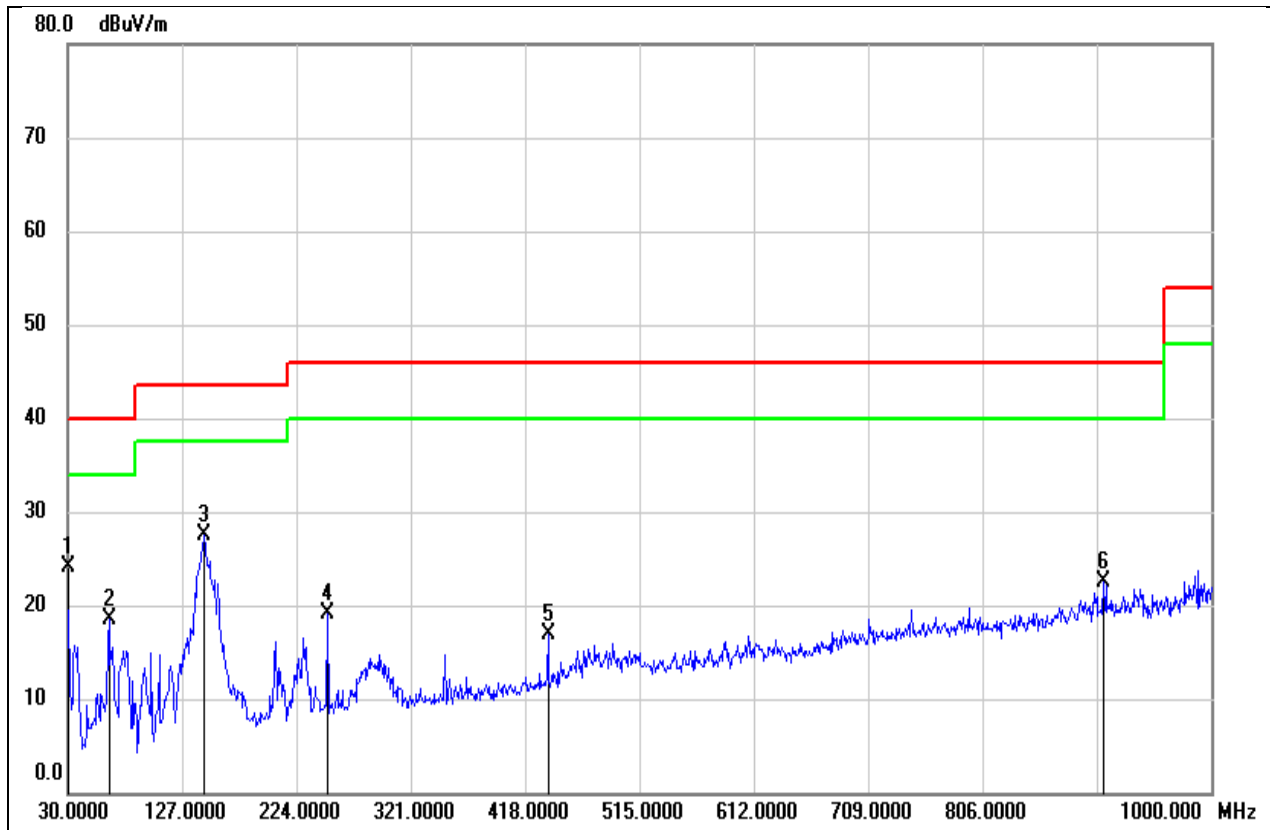
Test Mode:	M01	Polarity:	Vertical
Test Voltage:	AC 347V_60Hz	Model:	MDX-70L-347-480



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.0000	55.63	-17.69	37.94	40.00	-2.06	QP
2	46.4900	48.81	-19.81	29.00	40.00	-11.00	QP
3	60.0700	40.67	-19.80	20.87	40.00	-19.13	QP
4	138.6400	35.62	-18.45	17.17	43.50	-26.33	QP
5	508.2100	31.76	-10.31	21.45	46.00	-24.55	QP
6	558.6500	31.13	-10.04	21.09	46.00	-24.91	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)
 2. Margin = Result - Limit

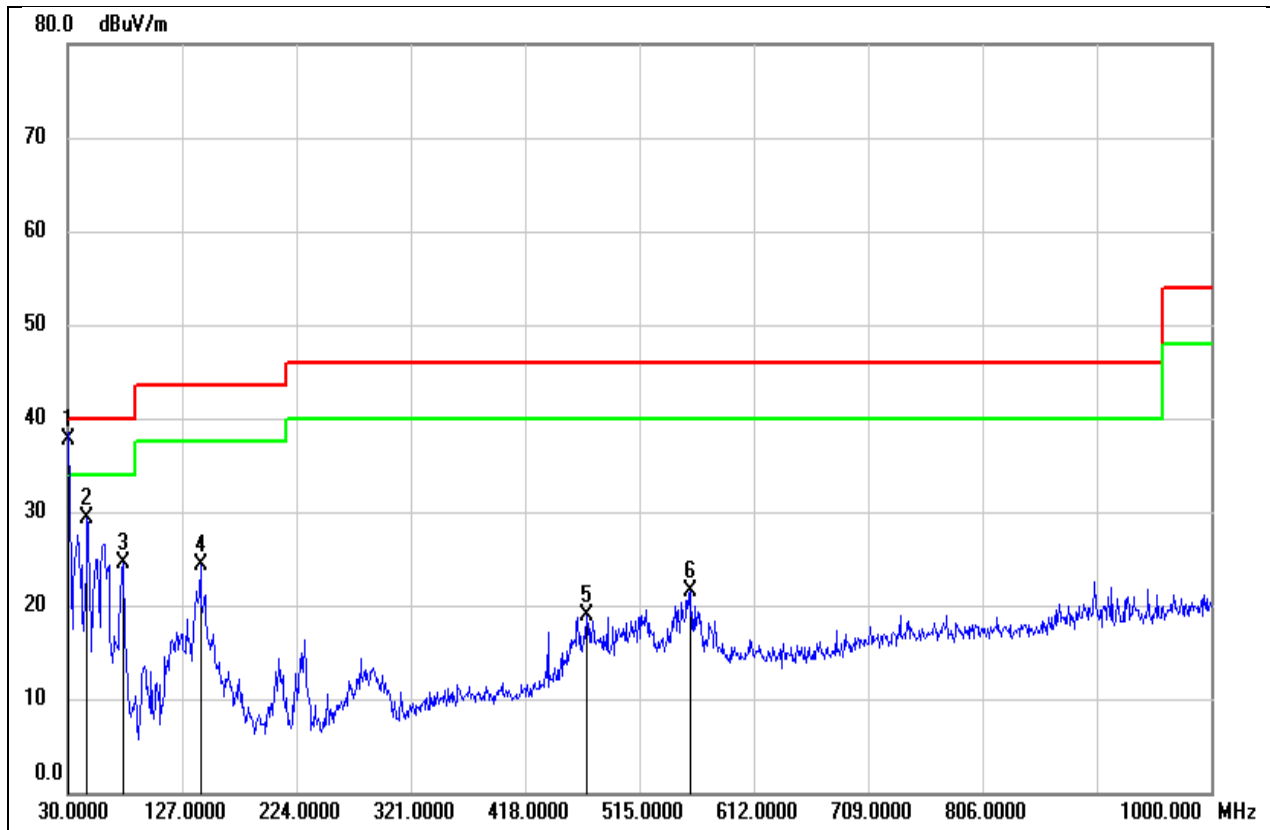
Test Mode:	M01	Polarity:	Horizontal
Test Voltage:	AC 480V_60Hz	Model:	MDX-70L-347-480



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.0000	41.80	-17.69	24.11	40.00	-15.89	QP
2	64.9200	38.61	-20.01	18.60	40.00	-21.40	QP
3	145.4299	45.56	-18.13	27.43	43.50	-16.07	QP
4	250.1900	37.43	-18.35	19.08	46.00	-26.92	QP
5	437.4000	28.56	-11.65	16.91	46.00	-29.09	QP
6	908.8200	27.05	-4.45	22.60	46.00	-23.40	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)
2. Margin = Result - Limit

Test Mode:	M01	Polarity:	Vertical
Test Voltage:	AC 480V_60Hz	Model:	MDX-70L-347-480



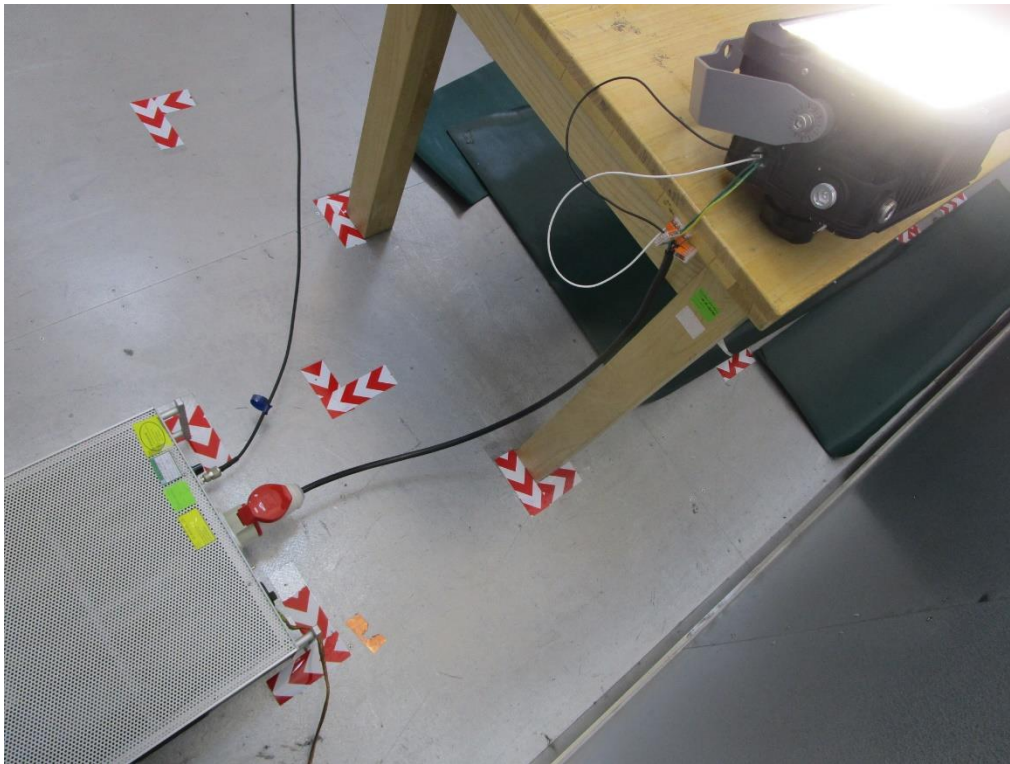
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.0000	55.48	-17.69	37.79	40.00	-2.21	QP
2	46.4900	49.06	-19.81	29.25	40.00	-10.75	QP
3	76.5600	45.32	-20.76	24.56	40.00	-15.44	QP
4	142.5200	42.51	-18.27	24.24	43.50	-19.26	QP
5	470.3800	29.93	-10.94	18.99	46.00	-27.01	QP
6	558.6500	31.56	-10.04	21.52	46.00	-24.48	QP

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)
2. Margin = Result - Limit

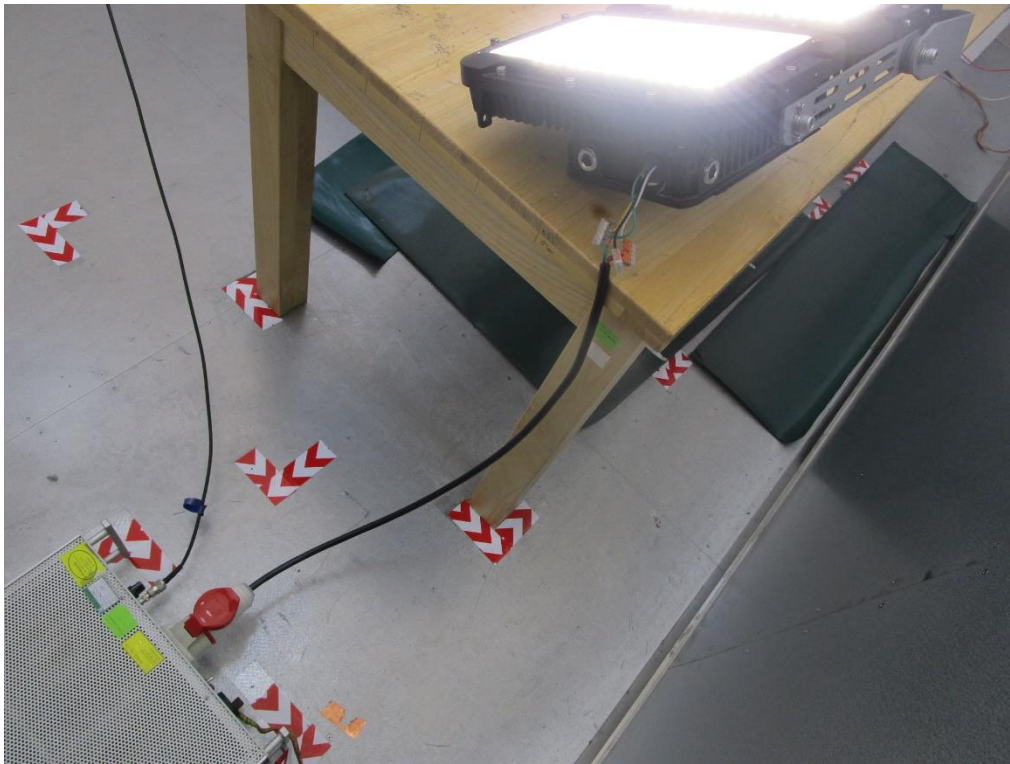
APPENDIX: PHOTOGRAPHS OF TEST CONFIGURATION

Conducted emissions

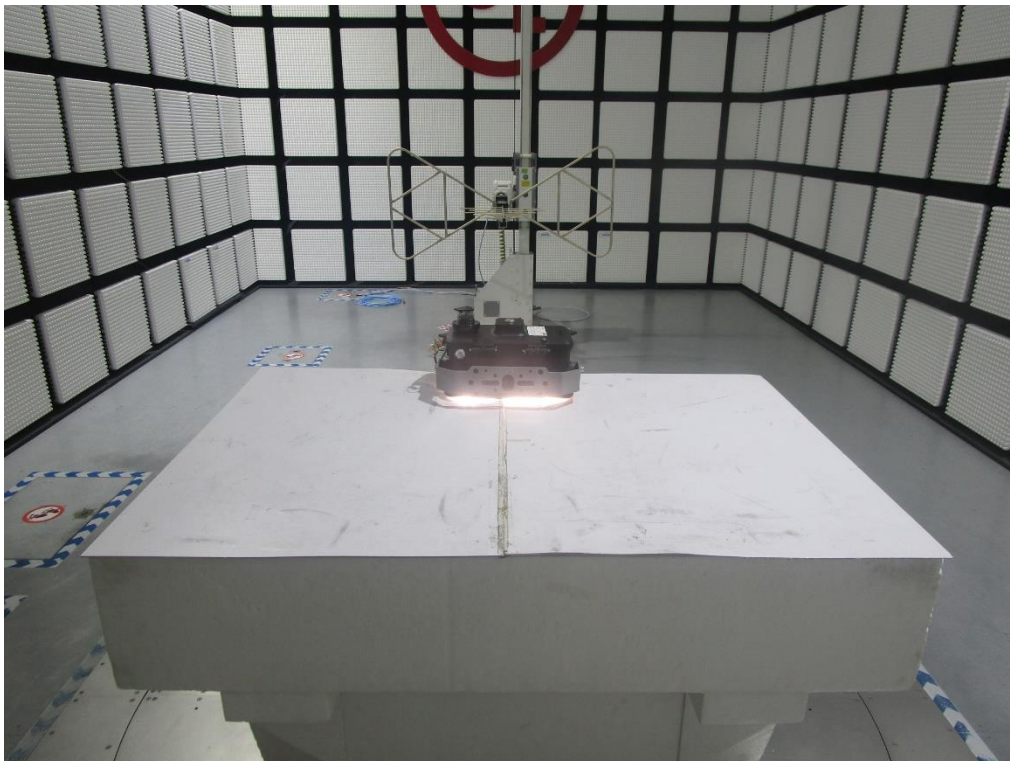


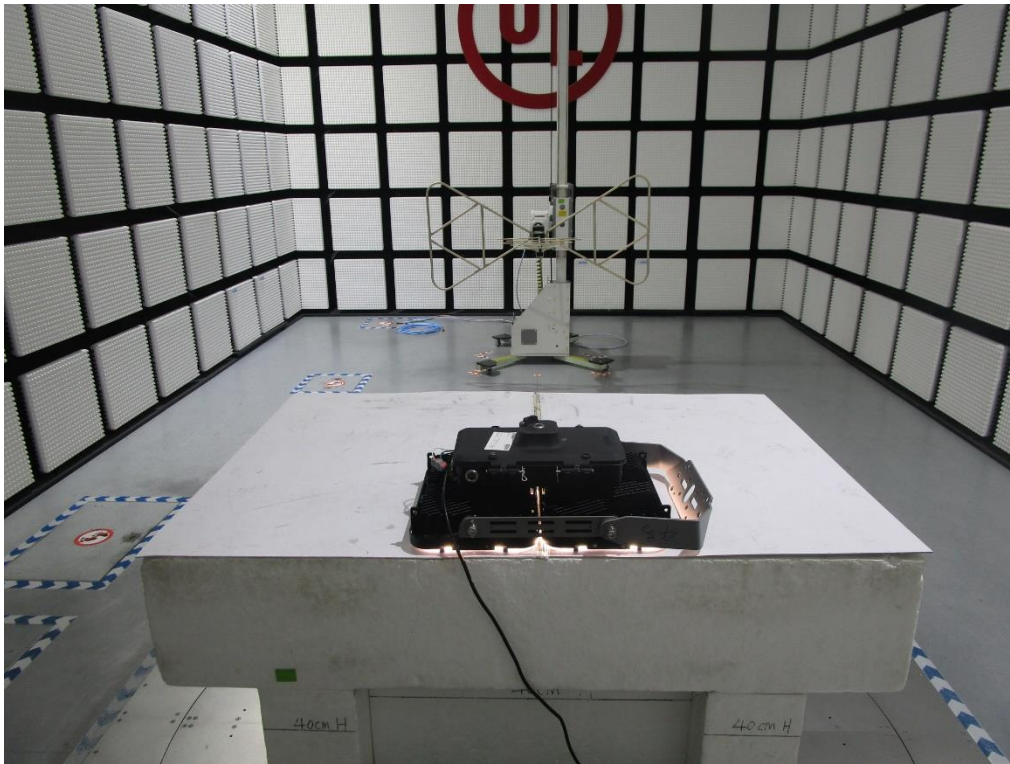






Radiated emissions below 1GHz

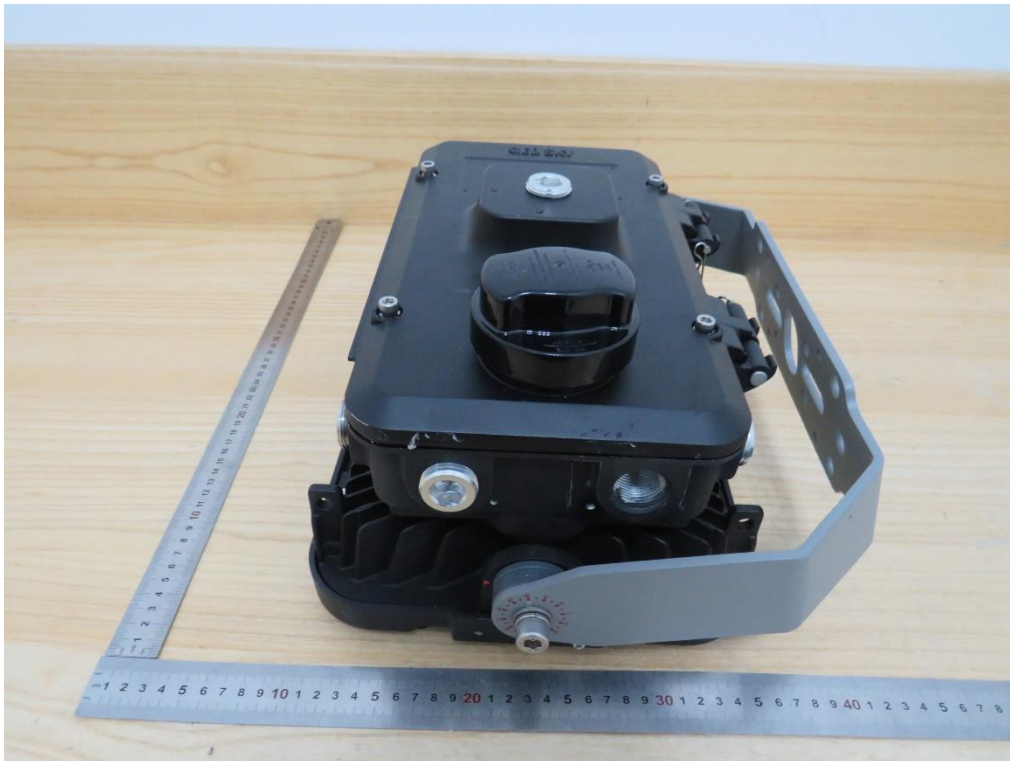


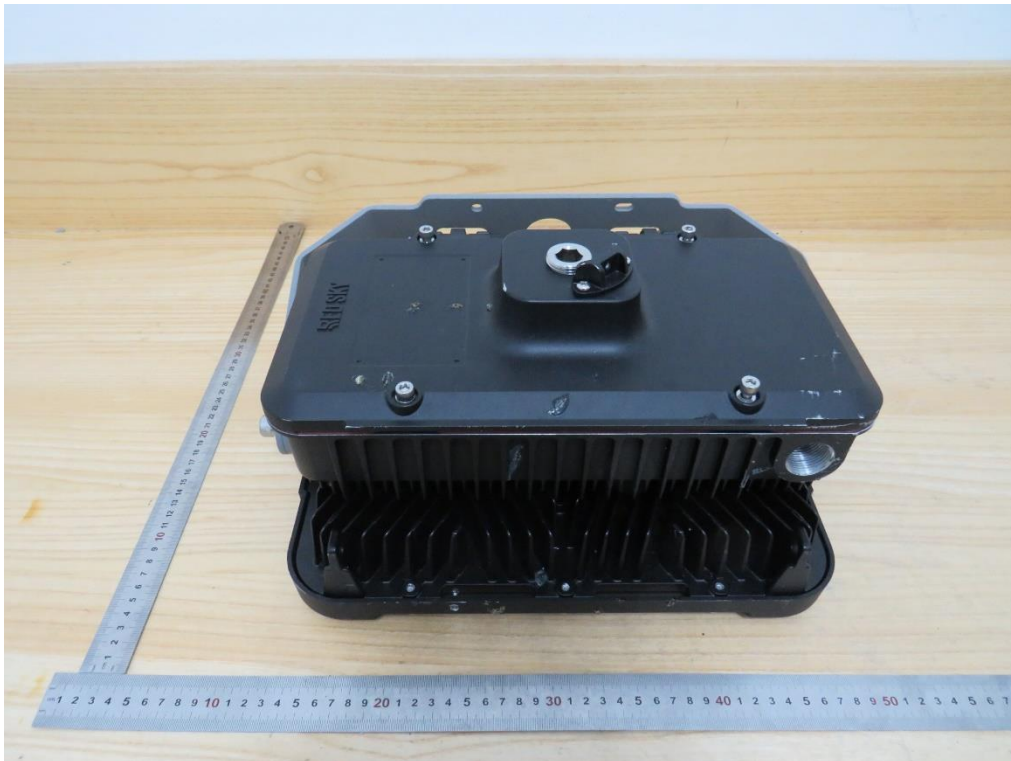


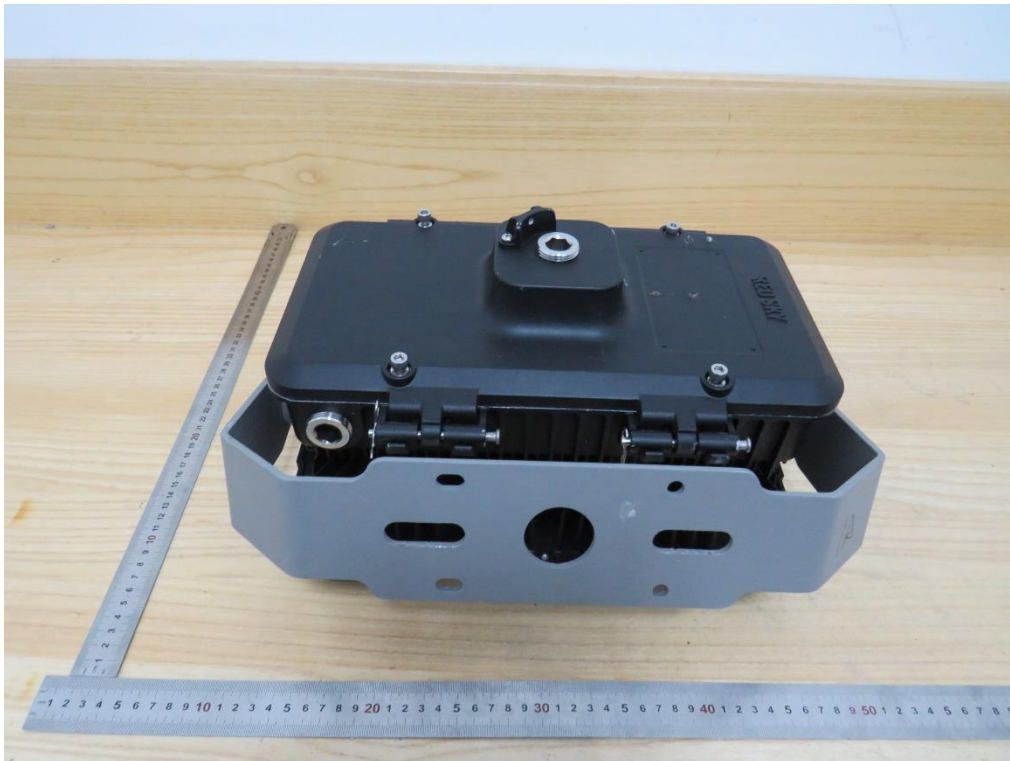
APPENDIX: PHOTOGRAPHS OF THE EUT

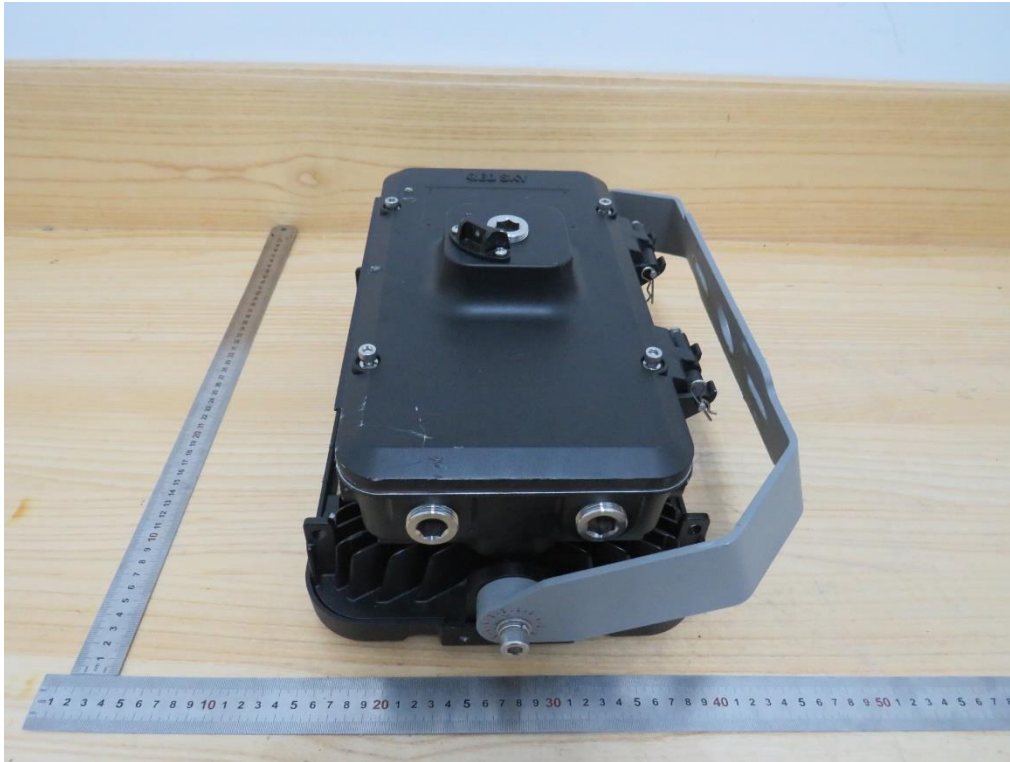
Different enclosures

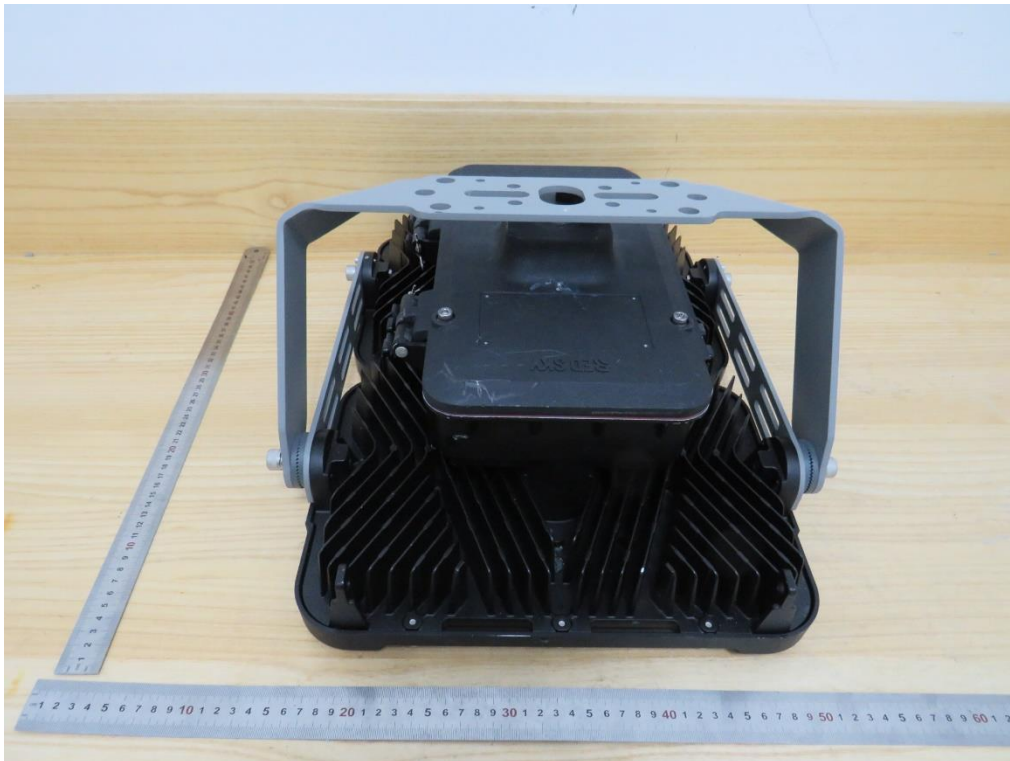
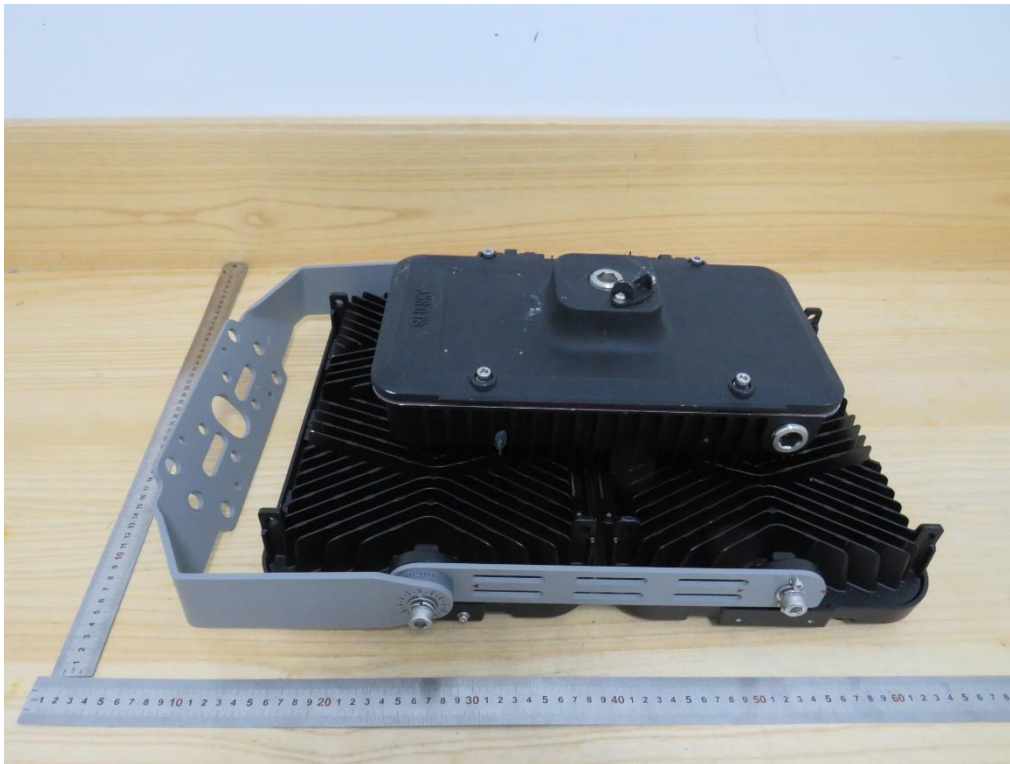


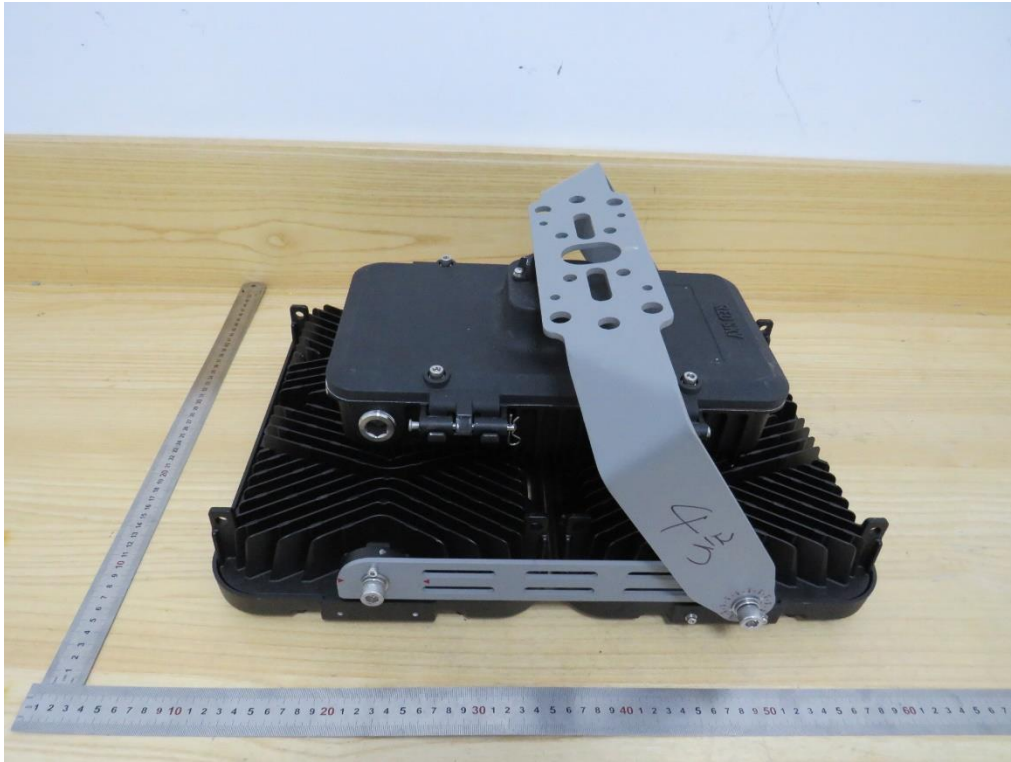








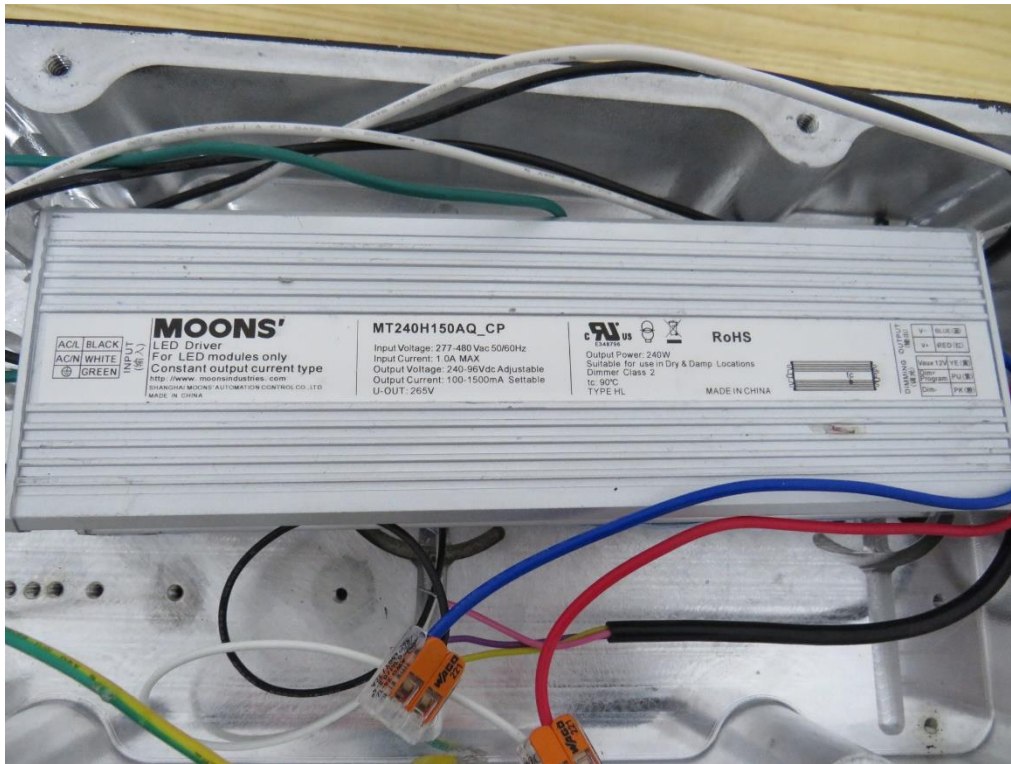




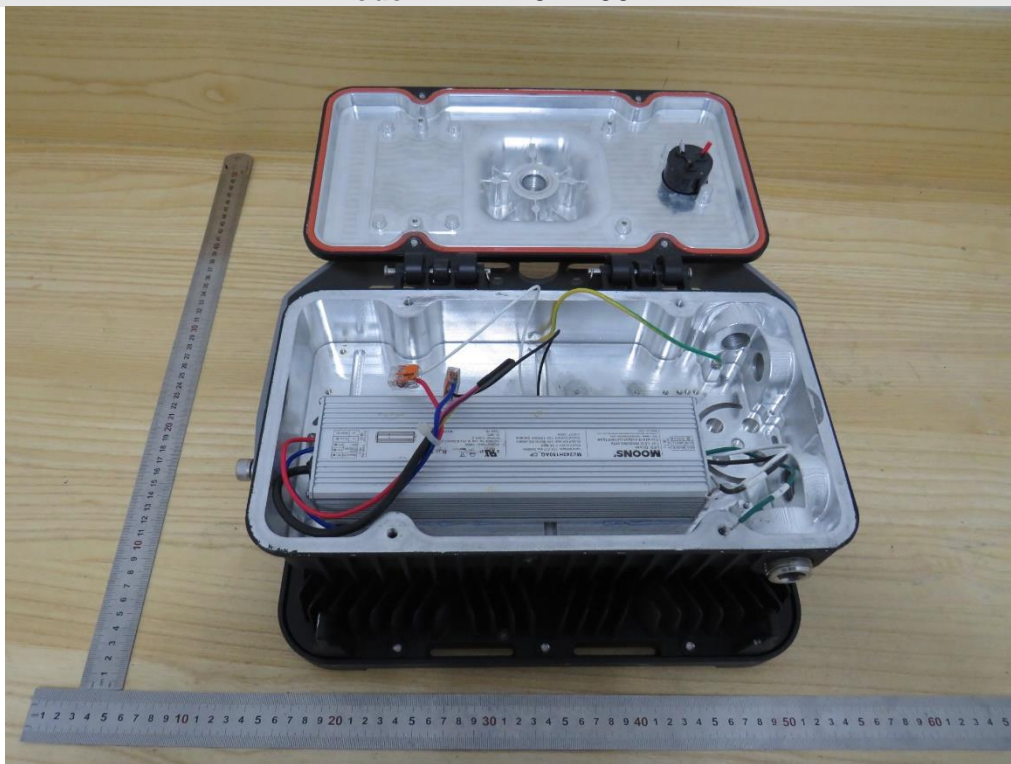


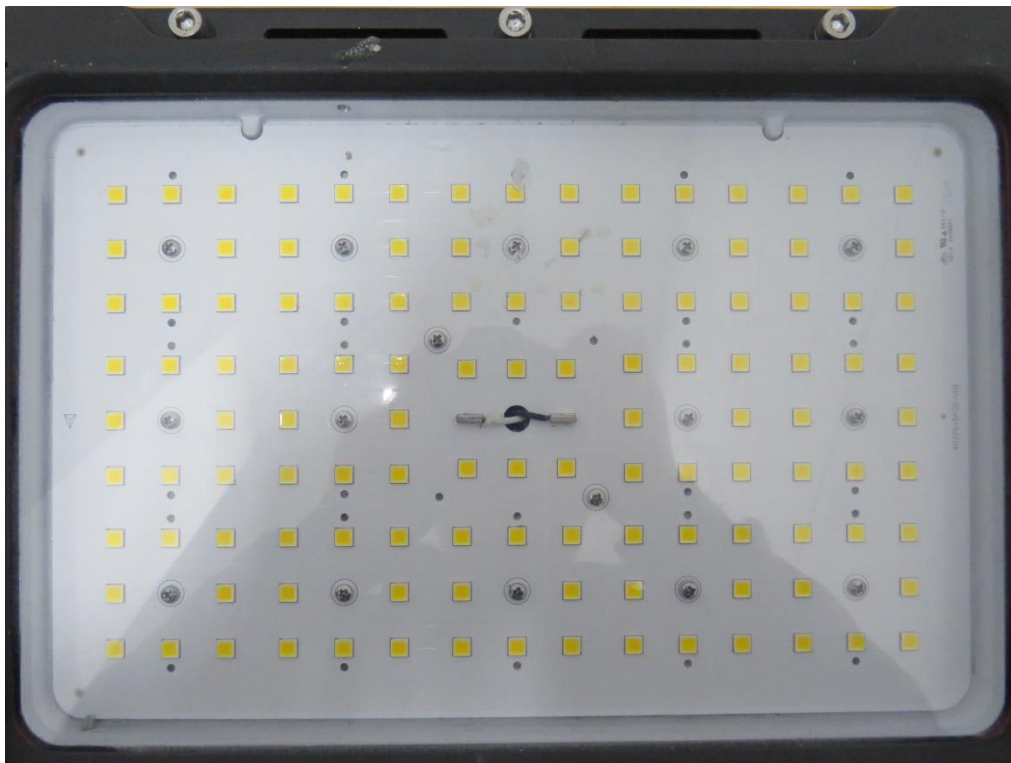
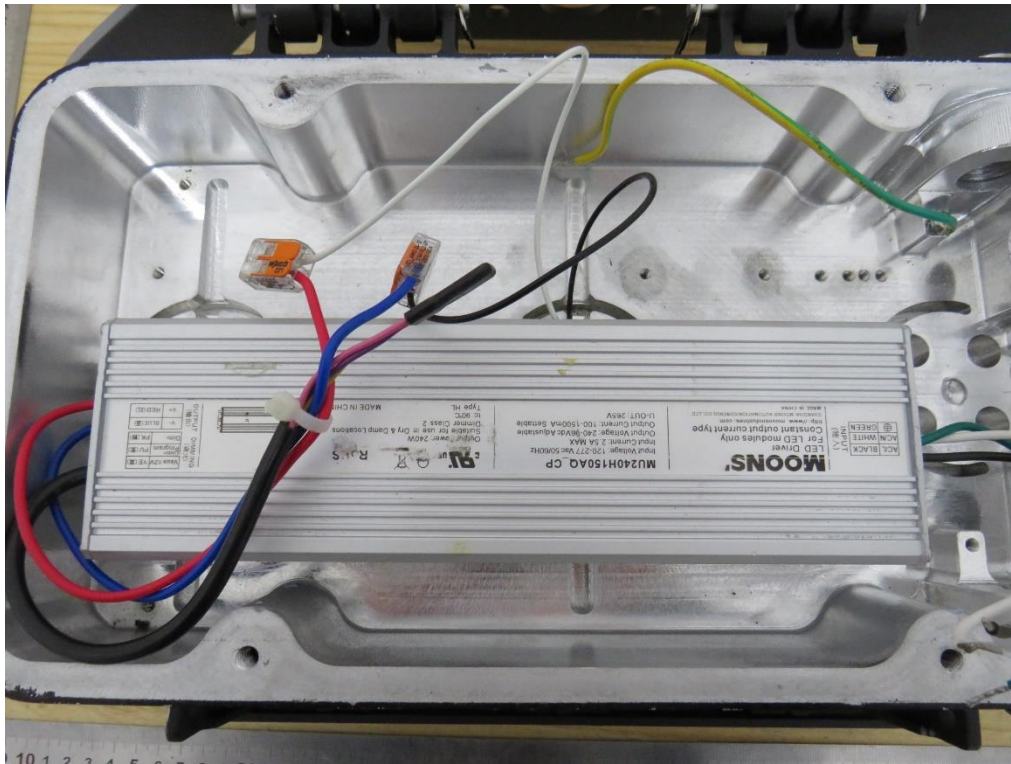
Model: MDX-40L-347-480



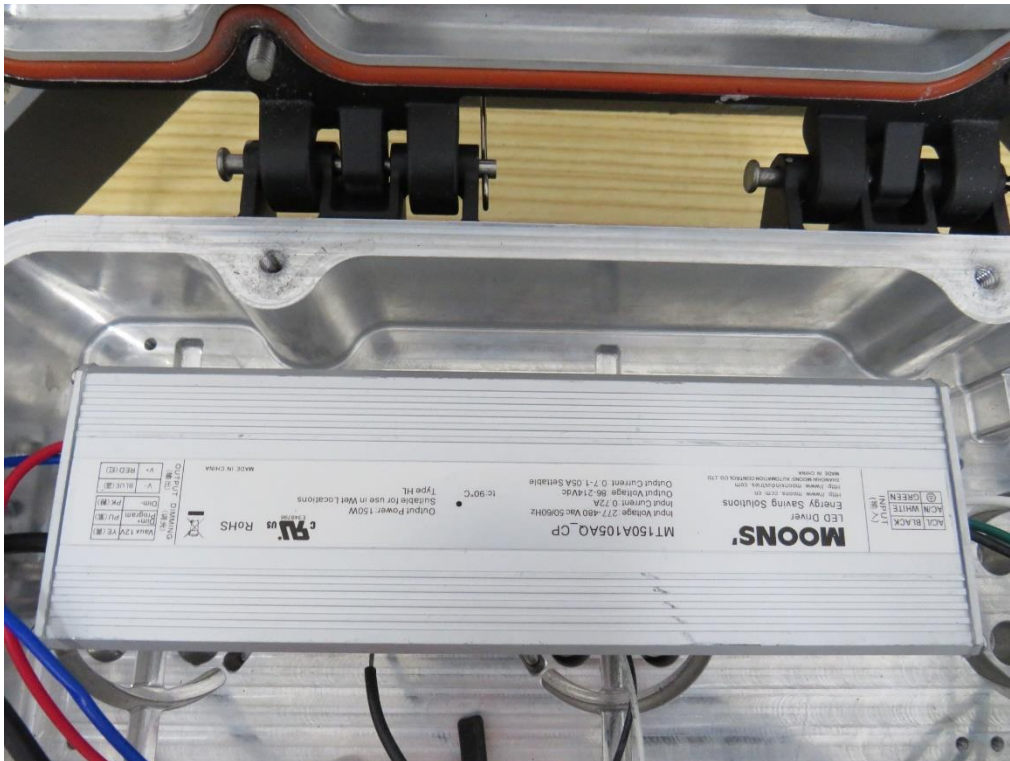


Model: MDX-40L-100-277

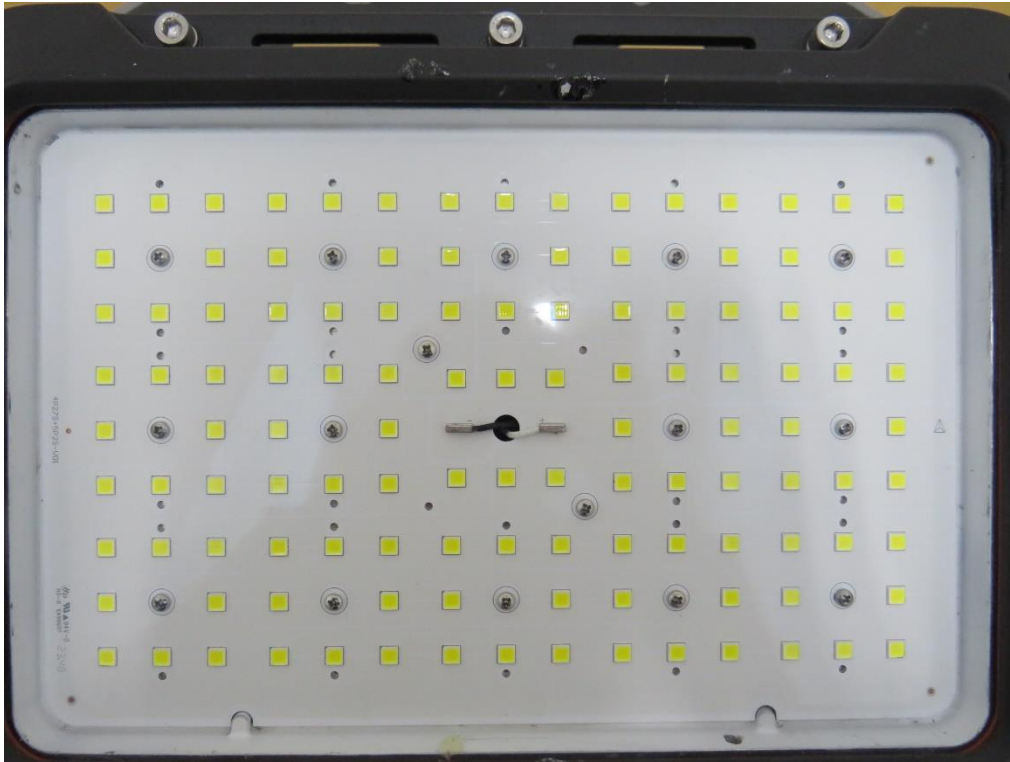




Model: MDX-20L-347-480

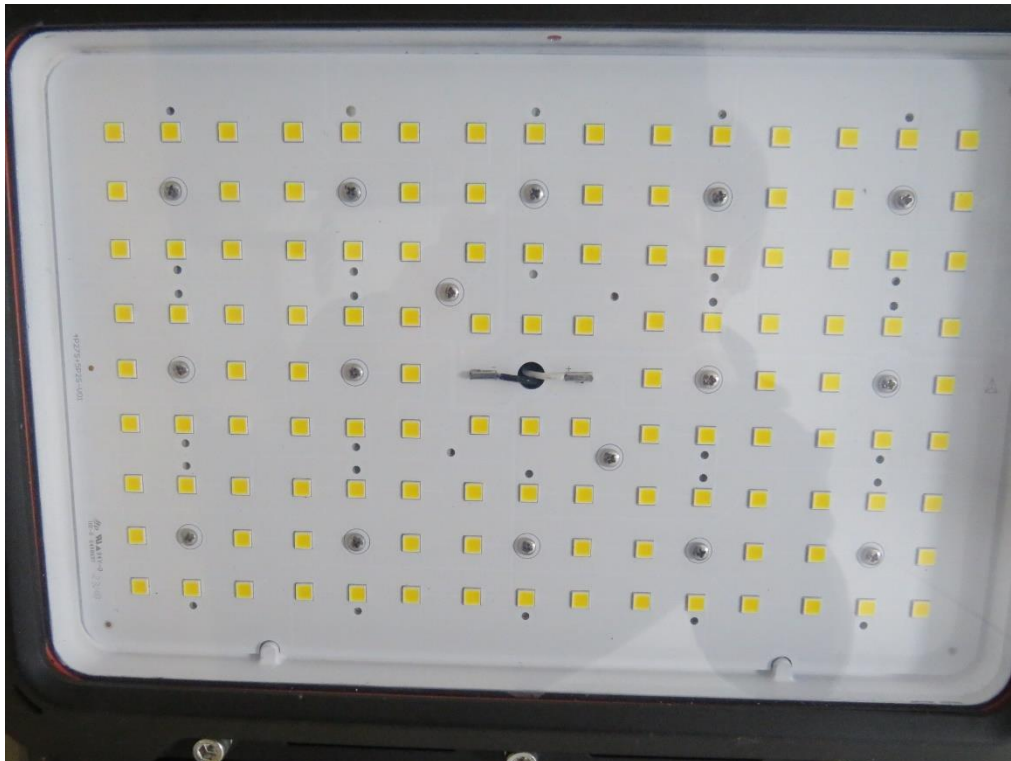




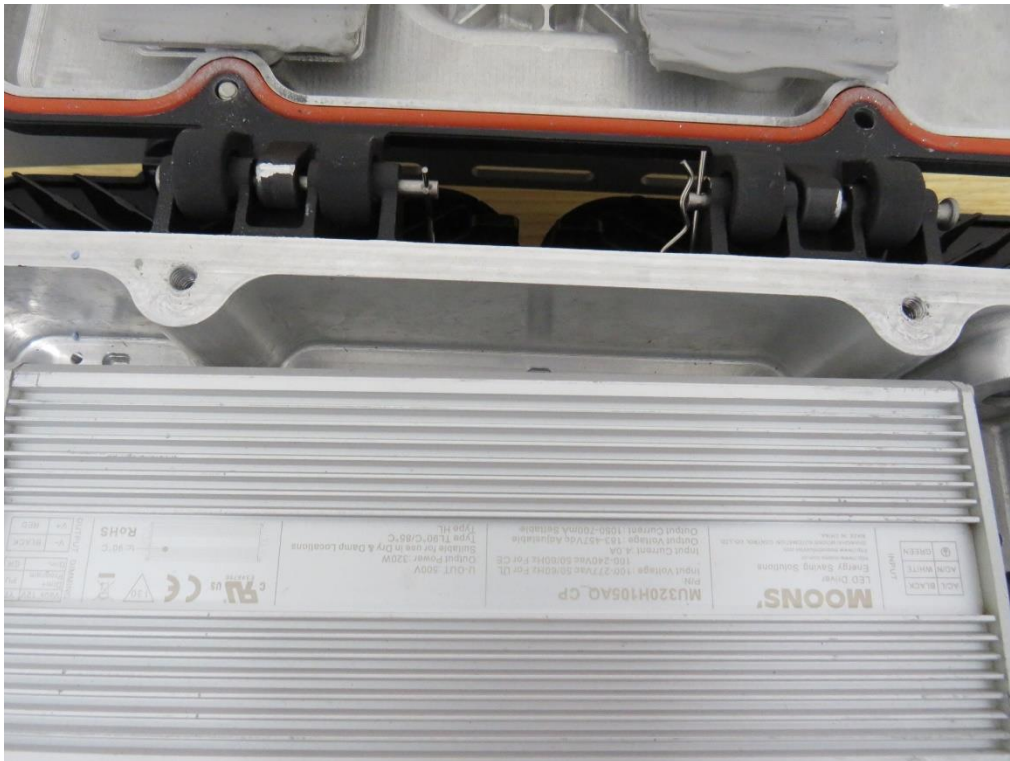


Model: MDX-50L-347-480





Model: MDX-50L-100-277



Model: MDX-70L-347-480



Model: MDX-70L-100-277



END OF REPORT