

FCC - TEST REPORT

Report Number : **64.790.15.01371.01** Date of Issue: May 04, 2015

Model : PRN-7

Product Type : Dot Matrix Printer

Applicant : Jiangmen Dascom Computer Peripherals Co.,Ltd.

Address : No 399,Jin Xing Road,Jiang Hai District, Jiangmen City Guang Dong
Province, China

Production Facility : Jiangmen Dascom Computer Peripherals Co.,Ltd.

Address : No 399,Jin Xing Road,Jiang Hai District, Jiangmen City Guang Dong
Province, China

Test Result : **Positive** **Negative**

Total pages including
Appendices : 26

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1 Table of Contents

1 Table of Contents	2
2 Details about the Test Laboratory	3
3 Description of the Equipment Under Test	4
4 Summary of Test Standards	5
5 Summary of Test Results.....	6
6 General Remarks.....	7
7 Technical Requirement.....	8
7.1 Conducted Emission Test.....	8
7.2 Radiated Emission Test 30MHz – 1000MHz	18



2 Details about the Test Laboratory

Details about the Test Laboratory

Test Laboratory

Company name: TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
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Fax: 86 755 8828 5299

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Guangdong Province
China

Telephone: +86 769 2307 1111
Fax: +86 769 2307 7221

3 Description of the Equipment Under Test

Product: Dot Matrix Printer

Model no.: PRN-7

FCC ID: Z7OTDPRN70

Brand Name:



Options and accessories: Nil

Rating: 100-240VAC, 50/60Hz, 1.5A

Description of the EUT: The Equipment Under Test (EUT) is a Dot Matrix Printer.



4 Summary of Test Standards

Test Standards	
FCC Part 15 Subpart B 10-1-14 Edition	Unintentional Radiators



5 Summary of Test Results

Emission Tests				
FCC Part 15 Subpart B 10-1-14 Edition				
Test Condition	Pages	Test Result		
		Pass	Fail	N/A
Conducted Emission on AC 150kHz to 30MHz	8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Radiated Emission 30MHz to 1000MHz	18	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



6 General Remarks

Remarks

Nil.

SUMMARY:

All tests according to the regulations cited on page 5 were

- Performed

- **Not** Performed

The Equipment under Test

- **Fulfills** the general approval requirements.

- **Does not** fulfill the general approval requirements.

Sample Received Date: Apr 23, 2015

Testing Start Date: Apr 24, 2015

Testing End Date: Apr 30, 2015

- TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch -

Reviewed by:

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EMC Project Manager

Prepared by:

Calvin Weng
EMC Project Engineer



7 Technical Requirement

7.1 Conducted Emission Test

Test Method

1. The EUT was placed on a table, which is 0.8m above ground plane
2. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.).
3. Maximum procedure was performed to ensure EUT compliance
4. A EMI test receiver is used to test the emissions from both sides of AC line

Limit

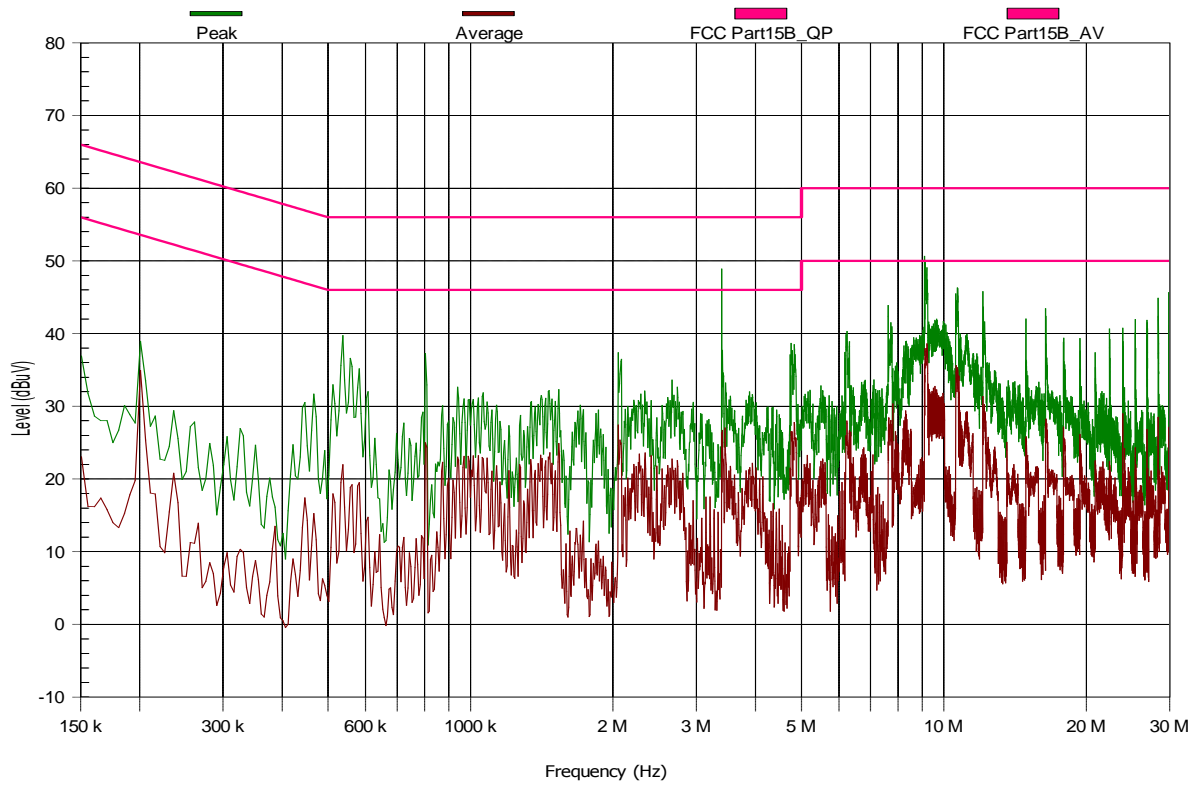
According to §15.107, conducted emissions limit as below:

Frequency MHz	QP Limit dBµV	AV Limit dBµV
0.150-0.500	66-56*	56-46*
0.500-5	56	46
5-30	60	50

Decreasing linearly with logarithm of the frequency

Conducted Emission

Product Type : Dot Matrix Printer
 M/N : PRN-7
 Operating Condition : COM port printing
 Test Specification : L Line
 Comment : AC 120V/60Hz



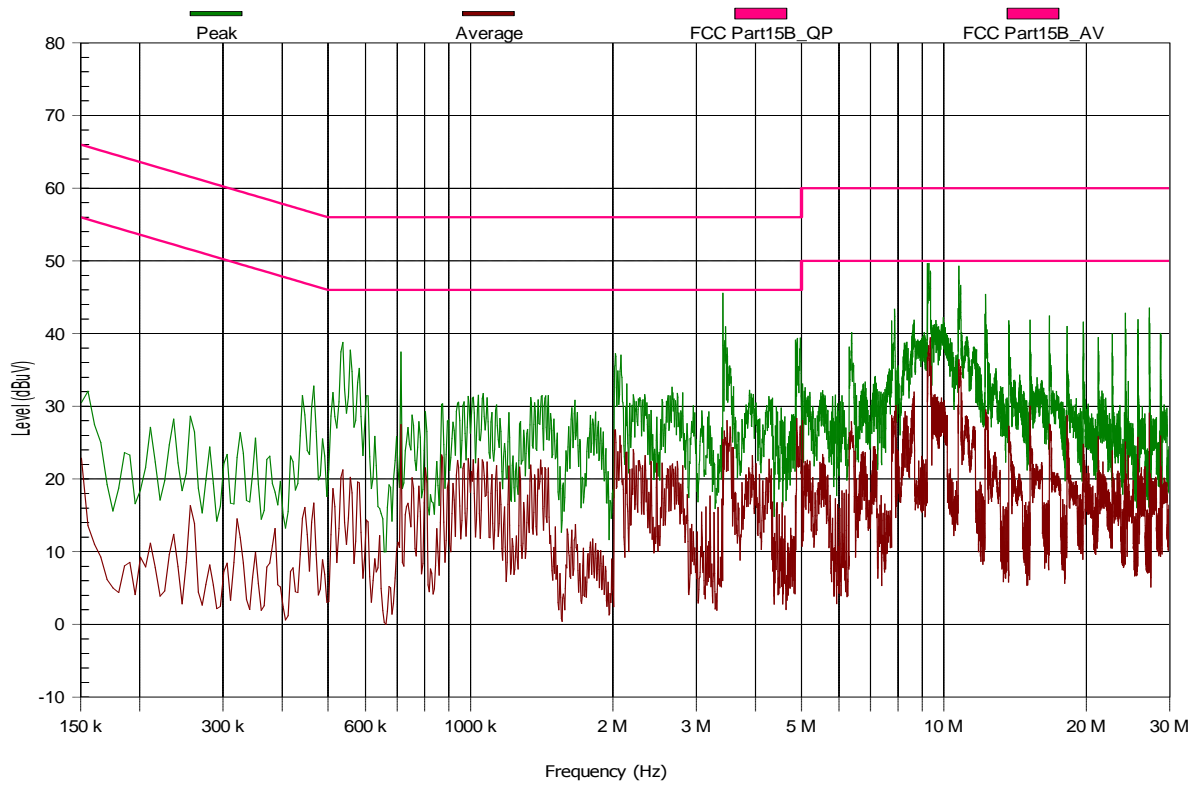
Detected Peaks:

Nr	Frequency (MHz)	AVG Value (dBuV)	QP Value (dBuV)	AVG Limit (dBuV)	QP Limit (dBuV)	Result	Line
1	3.38	23.23	30.72	46	56	Pass	Line 1
2	9.06	31.12	42.15	50	60	Pass	Line 1
3	9.095	34.06	41.65	50	60	Pass	Line 1

Note: Any value more than 10 dB below limit has not been specifically reported.

Conducted Emission

Product Type : Dot Matrix Printer
 M/N : PRN-7
 Operating Condition : COM port printing
 Test Specification : Neutral Line
 Comment : AC 120V/60Hz



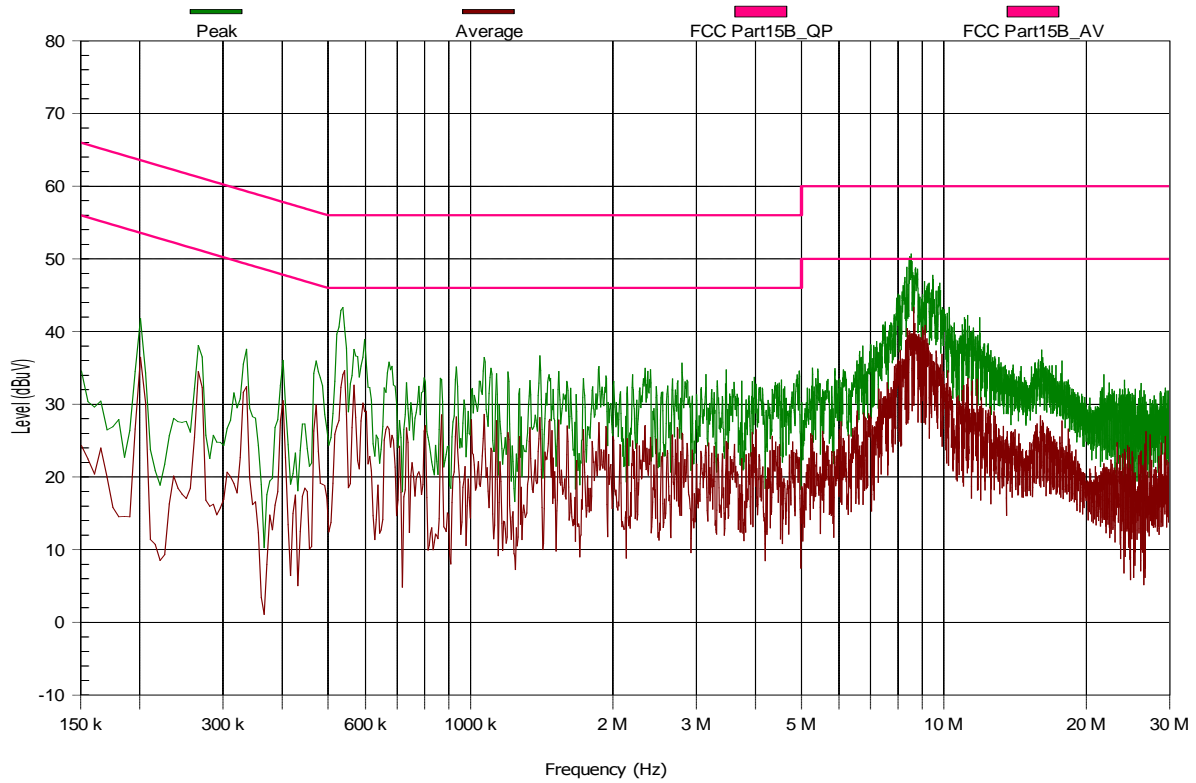
Detected Peaks:

Nr	Frequency (MHz)	AVG Value (dBuV)	QP Value (dBuV)	AVG Limit (dBuV)	QP Limit (dBuV)	Result	Line
1	3.4	21.24	36.3	46	56	Pass	Neutral
2	9.19	30.81	41.73	50	60	Pass	Neutral
3	9.255	36.45	42.21	50	60	Pass	Neutral
4	10.715	28.64	39.1	50	60	Pass	Neutral

Note: Any value more than 10 dB below limit has not been specifically reported.

Conducted Emission

Product Type : Dot Matrix Printer
 M/N : PRN-7
 Operating Condition : LAN port printing
 Test Specification : L Line
 Comment : AC 120V/60Hz



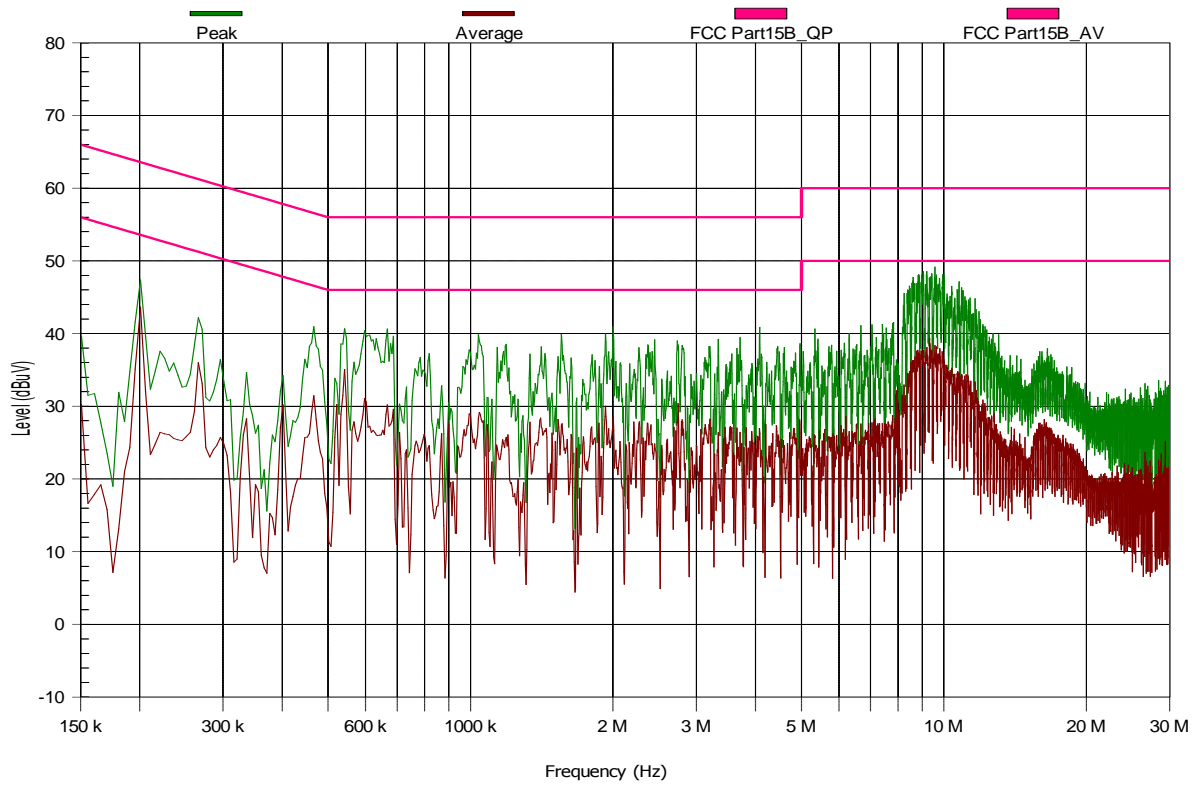
Detected Peaks:

Nr	Frequency (MHz)	AVG Value (dBuV)	QP Value (dBuV)	AVG Limit (dBuV)	QP Limit (dBuV)	Result	Line
1	8.415	37.32	44.16	50	60	Pass	Line 1
2	8.44	36.87	45.44	50	60	Pass	Line 1

Note: Any value more than 10 dB below limit has not been specifically reported.

Conducted Emission

Product Type : Dot Matrix Printer
 M/N : PRN-7
 Operating Condition : LAN port printing
 Test Specification : Neutral Line
 Comment : AC 120V/60Hz



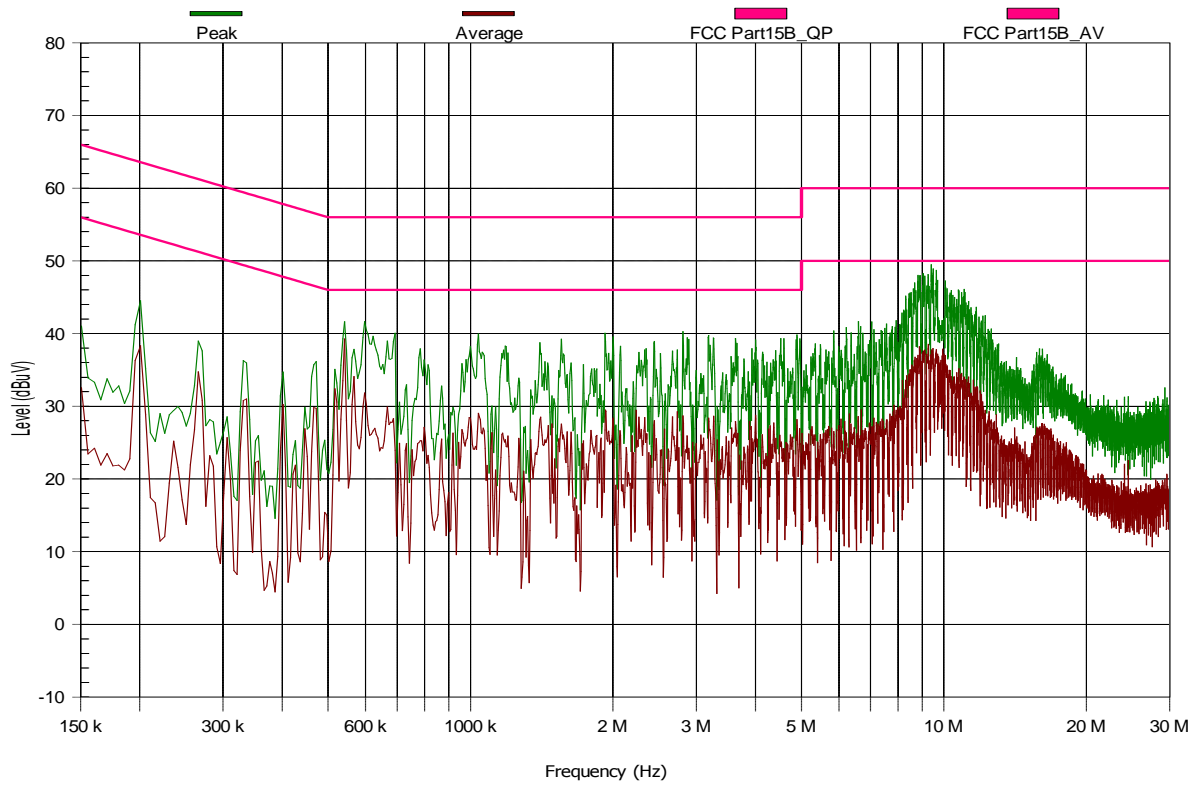
Detected Peaks:

Nr	Frequency (MHz)	AVG Value (dBuV)	QP Value (dBuV)	AVG Limit (dBuV)	QP Limit (dBuV)	Result	Line
1	9.01	35.95	40.53	50	60	Pass	Neutral
2	9.165	34.64	40.7	50	60	Pass	Neutral
3	9.395	33.5	41.46	50	60	Pass	Neutral

Note: Any value more than 10 dB below limit has not been specifically reported.

Conducted Emission

Product Type : Dot Matrix Printer
 M/N : PRN-7
 Operating Condition : LTP port printing
 Test Specification : L Line
 Comment : AC 120V/60Hz



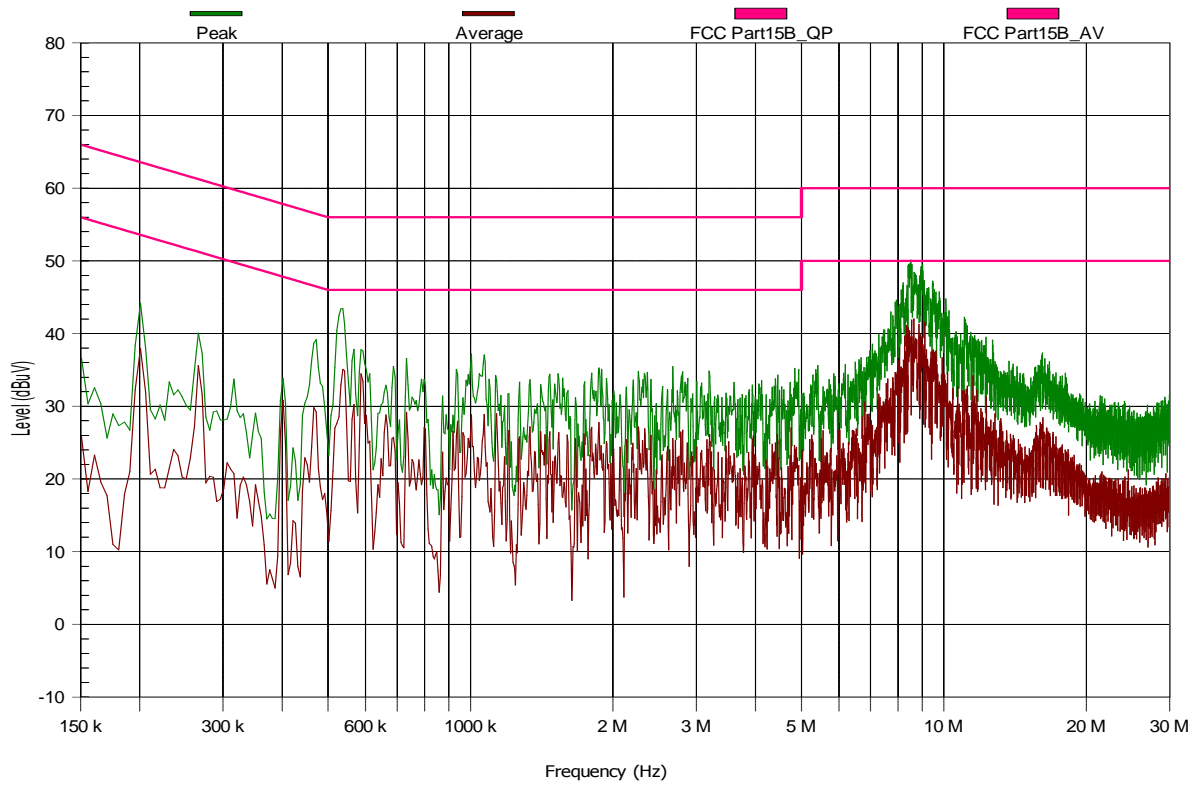
Detected Peaks:

Nr	Frequency (MHz)	AVG Value (dBuV)	QP Value (dBuV)	AVG Limit (dBuV)	QP Limit (dBuV)	Result	Line
1	9.365	33.63	41.68	50	60	Pass	Line 1
2	9.455	34.94	42.4	50	60	Pass	Line 1

Note: Any value more than 10 dB below limit has not been specifically reported.

Conducted Emission

Product Type : Dot Matrix Printer
 M/N : PRN-7
 Operating Condition : LTP port printing
 Test Specification : Neutral Line
 Comment : AC 120V/60Hz



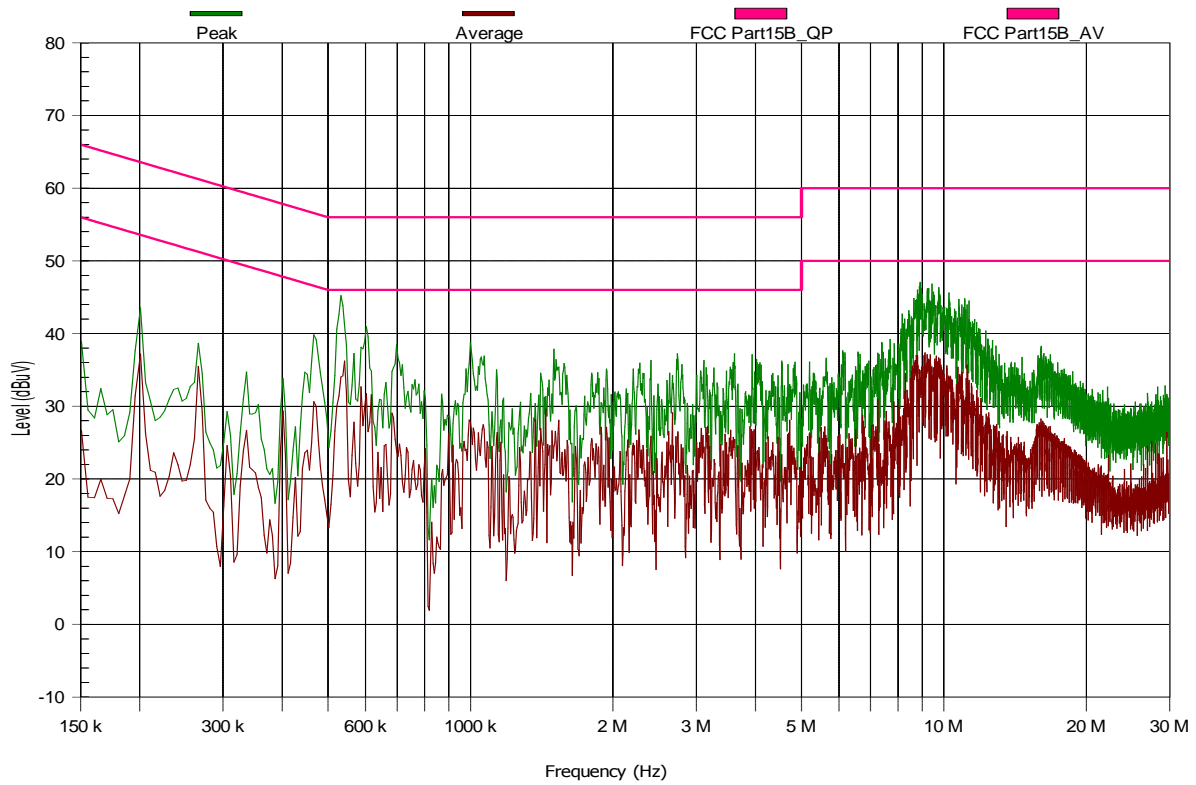
Detected Peaks:

Nr	Frequency (MHz)	AVG Value (dBuV)	QP Value (dBuV)	AVG Limit (dBuV)	QP Limit (dBuV)	Result	Line
1	8.38	38.06	44.69	50	60	Pass	Neutral
2	8.515	41.95	45.25	50	60	Pass	Neutral

Note: Any value more than 10 dB below limit has not been specifically reported.

Conducted Emission

Product Type : Dot Matrix Printer
 M/N : PRN-7
 Operating Condition : USB port printing
 Test Specification : L Line
 Comment : AC 120V/60Hz



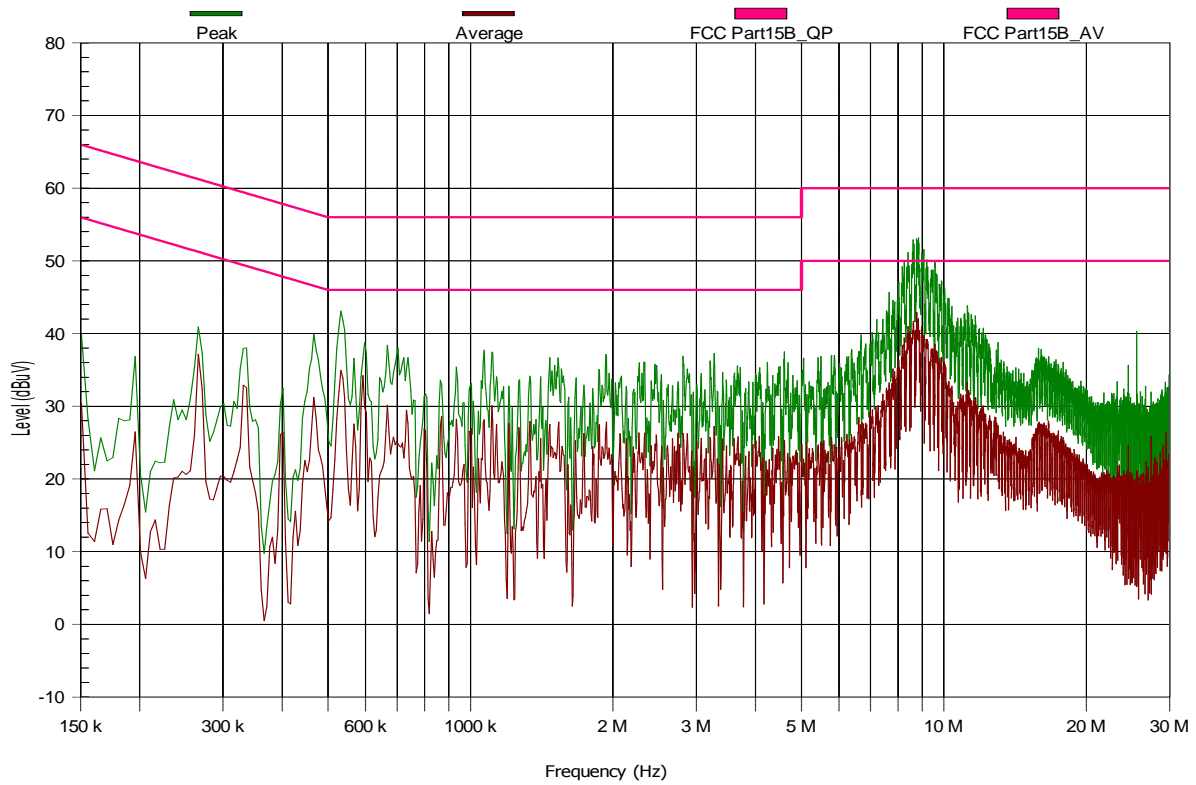
Detected Peaks:

Nr	Frequency (MHz)	AVG Value (dBuV)	QP Value (dBuV)	AVG Limit (dBuV)	QP Limit (dBuV)	Result	Line
1	0.54	34.13	41.5	46	56	Pass	Line 1
2	8.845	36.56	43.7	50	60	Pass	Line 1

Note: Any value more than 10 dB below limit has not been specifically reported.

Conducted Emission

Product Type : Dot Matrix Printer
 M/N : PRN-7
 Operating Condition : USB port printing
 Test Specification : Neutral Line
 Comment : AC 120V/60Hz



Detected Peaks:

Nr	Frequency (MHz)	AVG Value (dBuV)	QP Value (dBuV)	AVG Limit (dBuV)	QP Limit (dBuV)	Result	Line
1	0.54	33.65	42.28	46	56	Pass	Neutral
2	8.61	39.05	46.52	50	60	Pass	Neutral
3	8.73	42.66	49.19	50	60	Pass	Neutral

Note: Any value more than 10 dB below limit has not been specifically reported.

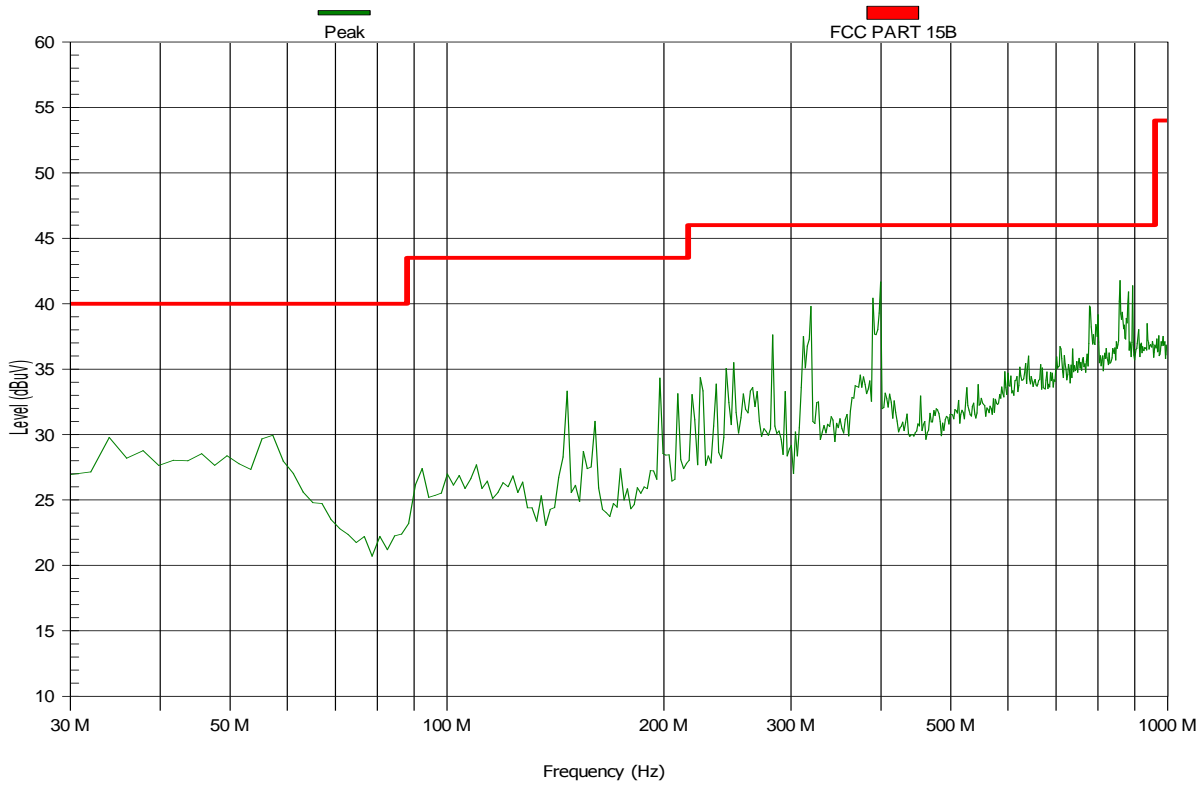
Test Equipment List

Conducted emission test

Equipment	Manufacturer	Model No.	Serial No.	Cal. due. date
Test Receiver	Rohde & Schwarz	ESCI	DQM0252	Dec 13, 2015
L.I.S.N.(1#)	SCHWARZBECK	NSLK8126	DQM0257	Dec 13, 2015

7.2 Radiated Emission Test 30MHz – 1000MHz

Product Type : Dot Matrix Printer
 M/N : PRN-7
 Operating Condition : COM port printing
 Ant. Polarity : Horizontal
 Comment : 30-1000MHz



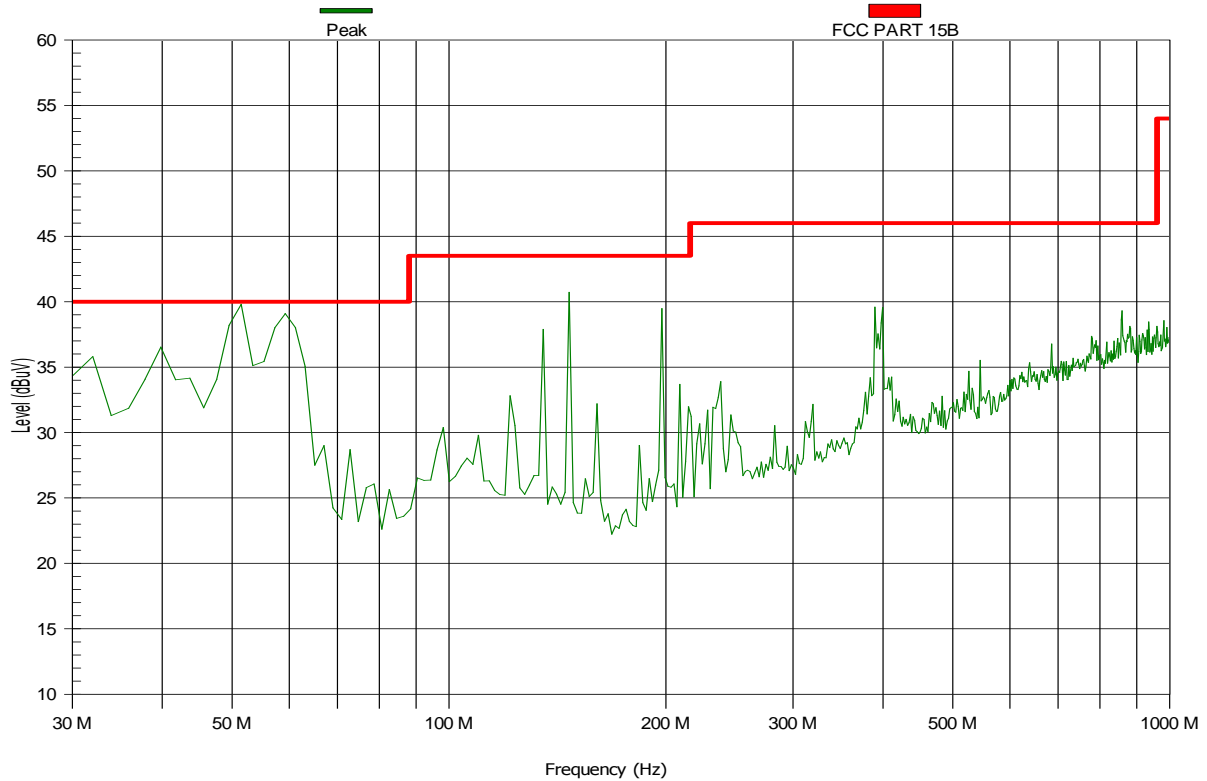
Detected Peaks:

Nr	Frequency (MHz)	QP Value (dBuV/m)	QP Limit (dBuV/m)	Result	H/V
1	388.9	38.39	46	Pass	H
2	398.6	39.25	46	Pass	H

Note: Any value more than 10 dB below limit has not been specifically reported.

Radiated Emission Test 30MHz – 1000MHz

Product Type : Dot Matrix Printer
 M/N : PRN-7
 Operating Condition : COM port printing
 Ant. Polarity : Vertical
 Comment : 30-1000MHz



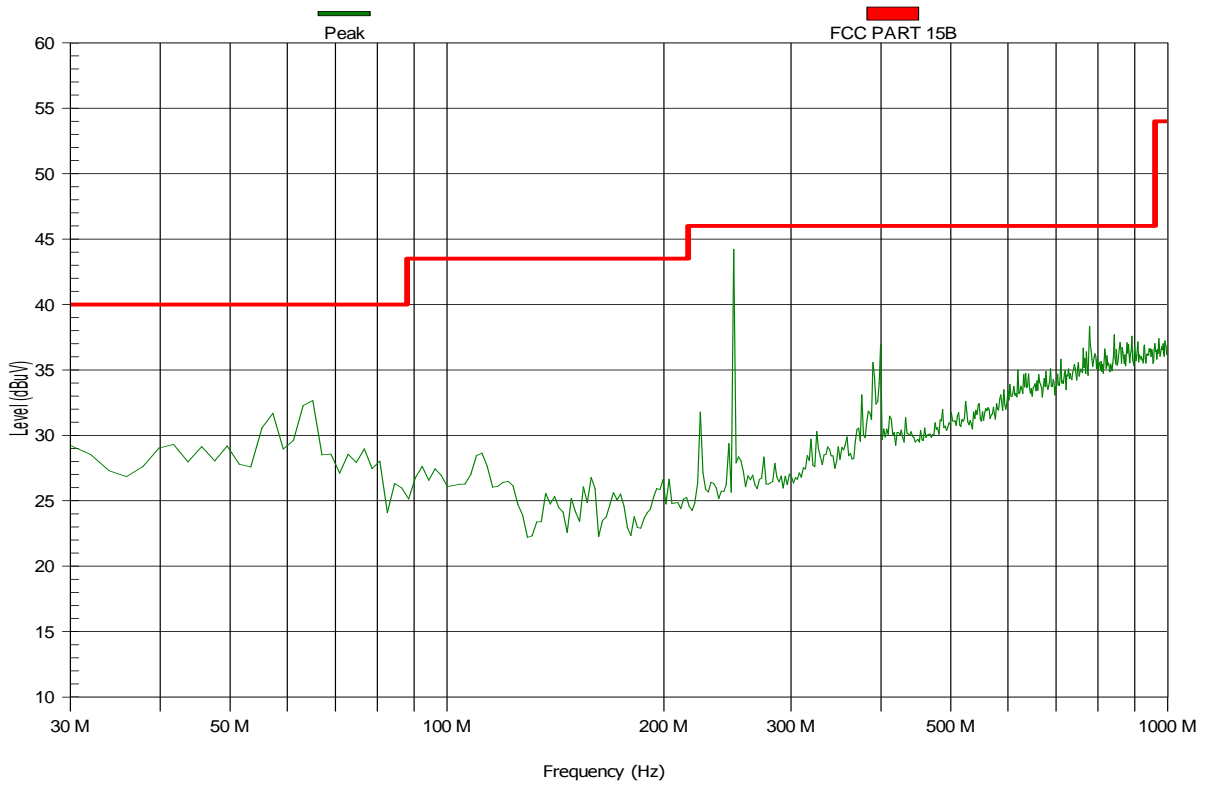
Detected Peaks:

Nr	Frequency (MHz)	QP Value (dBuV/m)	QP Limit (dBuV/m)	Result	H/V
1	51.34	36.23	40	Pass	V
2	59.1	34.52	40	Pass	V

Note: Any value more than 10 dB below limit has not been specifically reported.

Radiated Emission Test 30MHz – 1000MHz

Product Type : Dot Matrix Printer
 M/N : PRN-7
 Operating Condition : LAN port printing
 Ant. Polarity : Horizontal
 Comment : 30-1000MHz



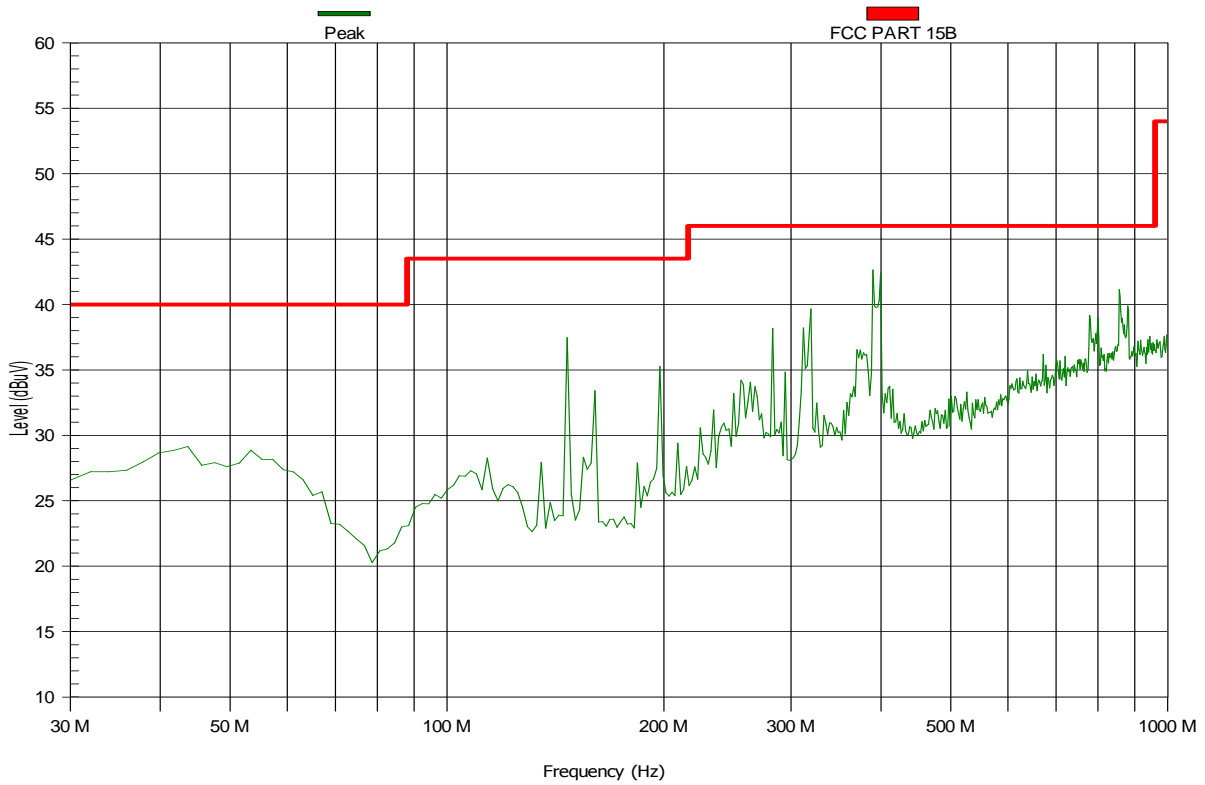
Detected Peaks:

Nr	Frequency (MHz)	QP Value (dBuV/m)	QP Limit (dBuV/m)	Result	H/V
1	249.22	41.25	46	Pass	H

Note: Any value more than 10 dB below limit has not been specifically reported.

Radiated Emission Test 30MHz – 1000MHz

Product Type : Dot Matrix Printer
 M/N : PRN-7
 Operating Condition : LAN port printing
 Ant. Polarity : Vertical
 Comment : 30-1000MHz



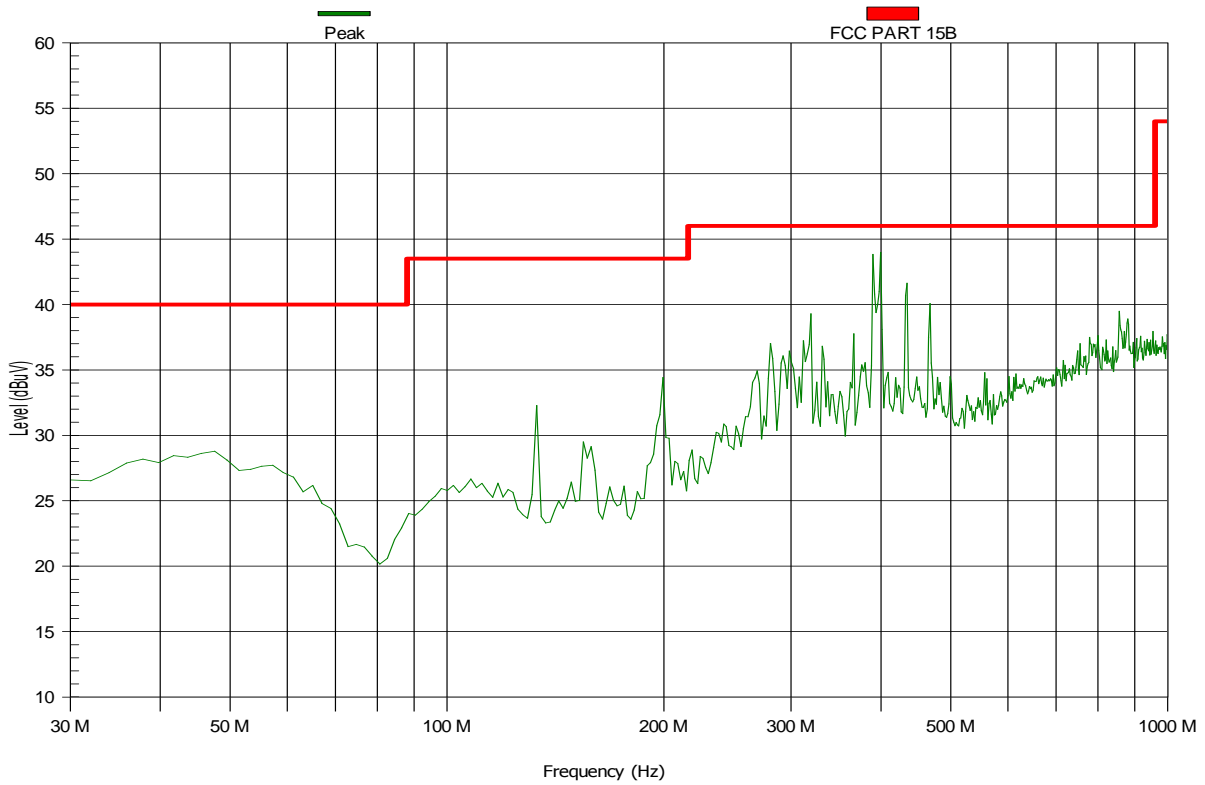
Detected Peaks:

Nr	Frequency (MHz)	QP Value (dBuV/m)	QP Limit (dBuV/m)	Result	H/V
1	388.9	40.68	46	Pass	V
2	398.6	40.44	46	Pass	V

Note: Any value more than 10 dB below limit has not been specifically reported.

Radiated Emission Test 30MHz – 1000MHz

Product Type : Dot Matrix Printer
 M/N : PRN-7
 Operating Condition : LTP port printing
 Ant. Polarity : Horizontal
 Comment : 30-1000MHz



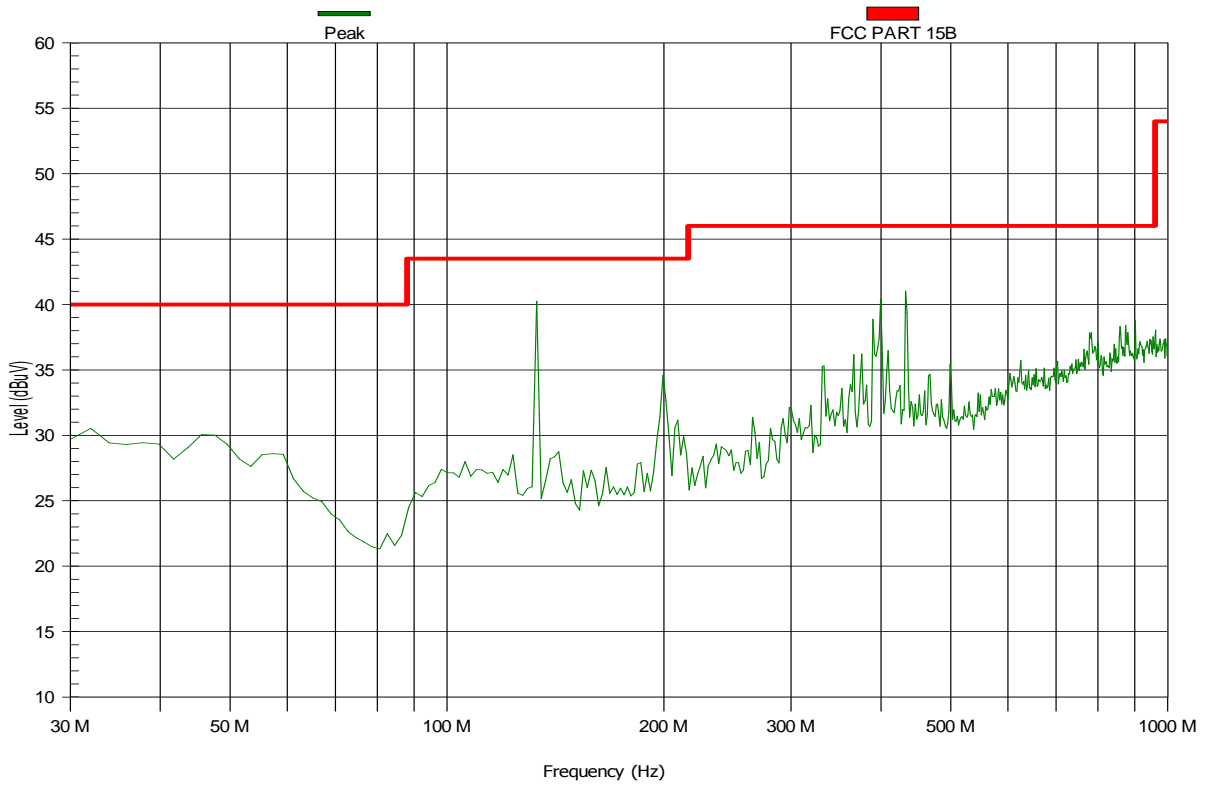
Detected Peaks:

Nr	Frequency (MHz)	QP Value (dBuV/m)	QP Limit (dBuV/m)	Result	H/V
1	388.9	42.87	46	Pass	H
2	398.6	41.02	46	Pass	H

Note: Any value more than 10 dB below limit has not been specifically reported.

Radiated Emission Test 30MHz – 1000MHz

Product Type : Dot Matrix Printer
 M/N : PRN-7
 Operating Condition : LTP port printing
 Ant. Polarity : Vertical
 Comment : 30-1000MHz



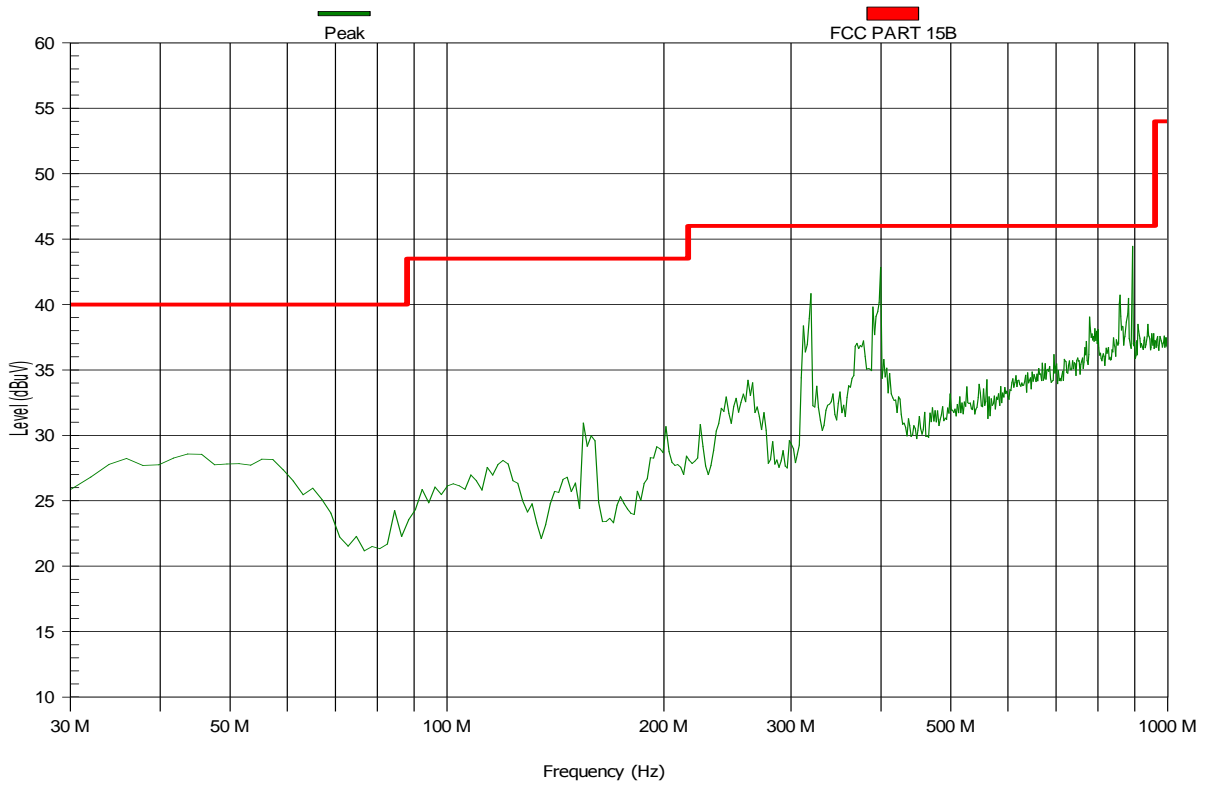
Detected Peaks:

Nr	Frequency (MHz)	QP Value (dBuV/m)	QP Limit (dBuV/m)	Result	H/V
1	132.82	36.29	43.5	Pass	V
2	431.58	38.06	46	Pass	V

Note: Any value more than 10 dB below limit has not been specifically reported.

Radiated Emission Test 30MHz – 1000MHz

Product Type : Dot Matrix Printer
 M/N : PRN-7
 Operating Condition : USB port printing
 Ant. Polarity : Horizontal
 Comment : 30-1000MHz



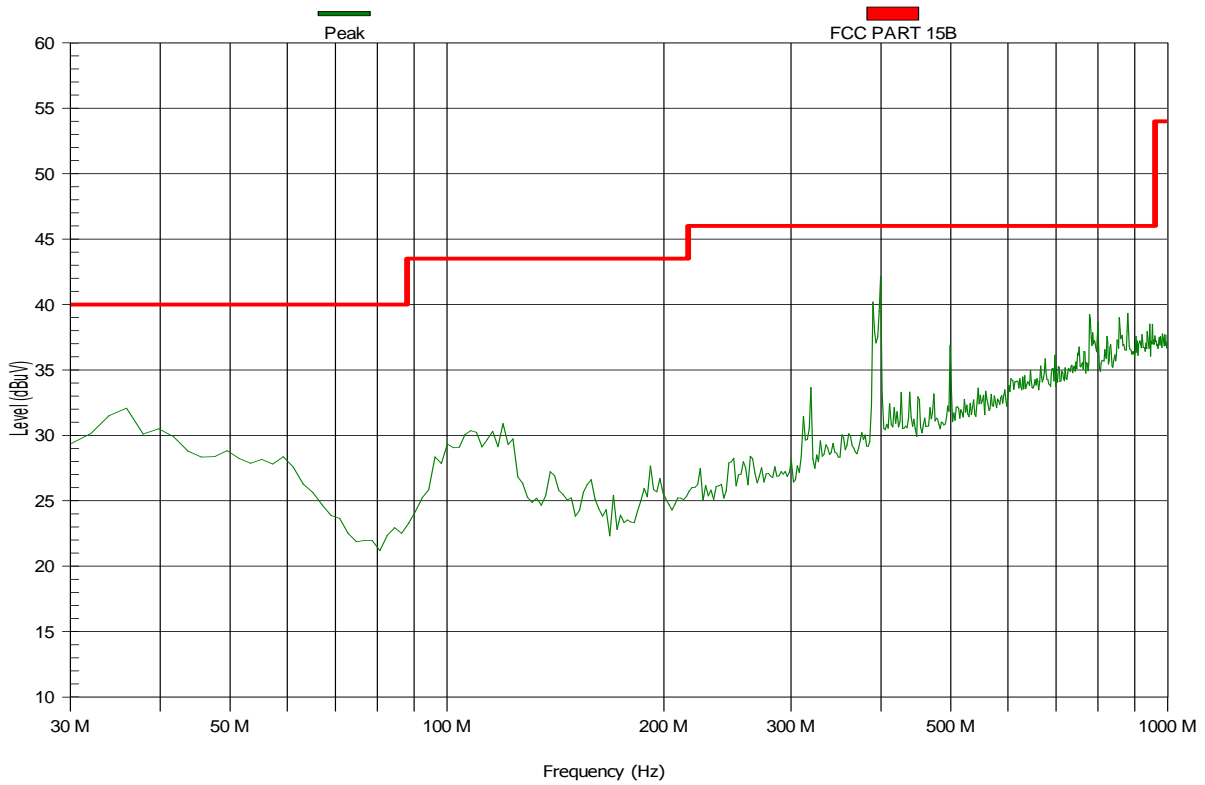
Detected Peaks:

Nr	Frequency (MHz)	QP Value (dBuV/m)	QP Limit (dBuV/m)	Result	H/V
1	398.6	40.17	46	Pass	H
2	879.72	41.35	46	Pass	H

Note: Any value more than 10 dB below limit has not been specifically reported.

Radiated Emission Test 30MHz – 1000MHz

Product Type : Dot Matrix Printer
 M/N : PRN-7
 Operating Condition : USB port printing
 Ant. Polarity : Vertical
 Comment : 30-1000MHz



Detected Peaks:

Nr	Frequency (MHz)	QP Value (dBuV/m)	QP Limit (dBuV/m)	Result	H/V
1	398.6	40.51	46	Pass	V

Note: Any value more than 10 dB below limit has not been specifically reported.

Test Equipment List**Radiated Emission Test**

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DUE DATE
Test Receiver	Rohde & Schwarz	ESCI	DQM0253	Dec 13, 2015
Trilog Broadband Antenna	SCHWARZBECK	VULB9163	DQM0268	Dec 17, 2015