DEKRA Testing and Certification, S.A.U.
Parque Tecnológico de Andalucía,
c/ Severo Ochoa nº 2 · 29590 Campanillas · Málaga · España
C.I.F. A29 507 456

Test report No:
NIE: 68649REM.002A2

Test report

FCC Rules and Regulations CFR 47, Part 15, Subpart B (10-1-19 Edition) & ICES-003 Issue 7 (October 2020)

(*) Identification of item tested	Continuous Positive Airway Pressure (CPAP) Device
(*) Trademark	ResMed
(*) Model and /or type reference	39001
(*) Derived model not tested	USA variants: 39485, 39486, 39487 Canada variants: 39488, 39489, 39490
Other identification of the product	FCC ID: 2ACHL-AIR11M1 IC: 9103A-AIR11M1 HW version: 1.0 SW version: SW04600
(*) Features	LTE Cat-M1, BLE
Manufacturer	ResMed Pty Ltd 1 Elizabeth Macarthur Drive Bella Vista, NSW, 2153
Test method requested, standard	FCC Rules and Regulations CFR 47, Part 15, Subpart B (10-1-19 Edition) & ICES-003 Issue 7 (October 2020)
Summary	IN COMPLIANCE
Approved by (name / position & signature)	Rafael López Martín EMC Consumer & RF Lab. Manager  2021.11.16 11:55:57 +01'00'
Date of issue	2021-11-16
Report template No	FDT08_23 (*) “Data provided by the client”

Index

Acronyms

Acronym ID	Acronym Description
Code	EMC Test Code
Freq Rng	Frequency Range
Line	Conducted Emissions - Tested Line
OM	Operation Mode
S/	Sample
V	Verdict

Competences and guarantees

DEKRA Testing and Certification S.A.U. is a testing laboratory accredited by the National Accreditation Body (ENAC -Entidad Nacional de Acreditación), to perform the tests indicated in the Certificate No. 51/LE 147.

In order to assure the traceability to other national and international laboratories, DEKRA Testing and Certification S.A.U. has a calibration and maintenance program for its measurement equipment.

DEKRA Testing and Certification S.A.U. guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated on the report and, it is based on the knowledge and technical facilities available at DEKRA Testing and Certification S.A.U. at the time of performance of the test.

DEKRA Testing and Certification S.A.U. is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

General conditions

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA Testing and Certification S.A.U.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA Testing and Certification S.A.U. and the Accreditation Bodies.

Uncertainty

Uncertainty (factor k=2) was calculated according to the DEKRA Testing and Certification S.A.U. internal document PODT000.

The total uncertainty of the measurement system for the measured conducted disturbance characteristics of EUT from 150 kHz to 30 MHz is I = ± 3,9 dB for quasi-peak measurements, I = ± 3,2 dB for peak measurements (k = 2).

The total uncertainty of the measurement system for the measured radio disturbance characteristics of EUT from 30 MHz to 1000 MHz is I = ± 4,9 dB for quasi-peak measurements, I = ± 4,6 dB for peak measurements (k= 2).

The total uncertainty of the measurement system for the measured radio disturbance characteristics of EUT from 1000 MHz to 12.75 GHz is I = ± 2,6 dB for peaks and average measurements (k = 2).

Data provided by the client

The following data has been provided by the client:

1. Information relating to the description of the sample ("Identification of the item tested", "Trademark", "Model and/or type reference tested"

2. The sample consists of a CPAP device with integrated cellular and Bluetooth connectivity.

DEKRA Testing and Certification S.A.U. declines any responsibility with respect to the information provided by the client and that may affect the validity of results.

Date: 24 Aug 2021

DECLARATION OF EQUIVALENCE

This document declares that the following designated products are equivalent to the units under test **39001** and **39002**.

USA Variants:

Model Name / Product Code	Marketing Name
39485	AirSense 11 AutoSet
39486	AirSense 11 CPAP
39487	AirSense 11 Elite

Canada Variants:

Model Name / Product Code	Marketing Name
39488	AirSense 11 AutoSet
39489	AirSense 11 CPAP
39490	AirSense 11 Elite

All the above stated products have the same hardware, cellular firmware and Bluetooth firmware.

Applicant:
Company Name: ResMed Pty Ltd
Address: 1 Elizabeth Macarthur Drive,
Bella Vista NSW 2153
Australia

By,

Christopher Jenkins
Title: Associate Manager – Systems Engineering
Company: ResMed Pty Ltd
Telephone: +61 2 8884 1517
e-mail: Christopher.jenkins@resmed.com.au

Usage of samples

Samples undergoing test have been selected by: The client.

Id	Control Number	Description	Model	Serial Nº	Date of Reception	Application
S/01	68649_3.1	CPAP device	39001	22201142551	2021-07-29	Element Under Test
S/01	68649_6.1	AC/DC adapter	---	0001DF00	2021-07-29	Element Under Test

Notes referenced to samples during the project.

None

Test sample description

Test Sample description (compulsory information for EMC and RF testing services)

<table>
<tr><td rowspan="2">Ports…… :</td><td rowspan="2">Port name and description</td><td colspan="4">Cable</td></tr>
<tr><td>Specified max length [m]</td><td>Attached during test</td><td>Shielded</td><td>Coupled to patient(3)</td></tr>
<tr><td></td><td>Supply</td><td>……</td><td>X</td><td>…</td><td></td></tr>
<tr><td>Supplementary information to the ports…… :</td><td colspan="5"></td></tr>
<tr><td rowspan="4">Rated power supply .....:</td><td colspan="2" rowspan="2">Voltage and Frequency</td><td colspan="4">Reference poles</td></tr>
<tr><td>L1</td><td>L2</td><td>L3</td><td>N</td><td>PE</td></tr>
<tr><td>X</td><td>AC: 100-240V~ 50-60Hz 2.0A</td><td>X</td><td></td><td></td><td>X</td><td></td></tr>
<tr><td>X</td><td>AC: 115V~ 400Hz 1.5A</td><td>X</td><td></td><td></td><td>X</td><td></td></tr>
<tr><td>Rated Power .....:</td><td colspan="5">24 VDC ± 1 VDC, 2.71A</td></tr>
<tr><td>Clock frequencies.....:</td><td colspan="5">N/A</td></tr>
<tr><td>Other parameters .....:</td><td colspan="5">390000 (PSU Model Number)</td></tr>
<tr><td>Software version .....:</td><td colspan="5">SW04600 (DUT)</td></tr>
<tr><td>Hardware version .....:</td><td colspan="5">1.0 (DUT)</td></tr>
<tr><td>Dimensions in cm (W x H x D) ....:</td><td colspan="5">138.5 mm x 259.4 mm x 94.5 mm</td></tr>
<tr><td rowspan="5">Mounting position .....:</td><td>X</td><td colspan="4">Table top equipment</td></tr>
<tr><td></td><td colspan="4">Wall/Ceiling mounted equipment</td></tr>
<tr><td></td><td colspan="4">Floor standing equipment</td></tr>
<tr><td></td><td colspan="4">Hand-held equipment</td></tr>
<tr><td></td><td colspan="4">Other:</td></tr>
<tr><td rowspan="2">Modules/parts.....:</td><td colspan="3">Module/parts of test item</td><td>Type</td><td>Manufacturer</td></tr>
<tr><td colspan="3">Wireless Module</td><td>EXS62-W</td><td>Thales</td></tr>
</table>

	Bluetooth LE	EFR32BG1	SiLabs
Accessories (not part of the test item) .....:	Description	Type	Manufacturer
	….	….	….
Documents as provided by the applicant .....:	Description	File name	Issue date
	…	…	…

(3) Only for Medical Equipment

Identification of the client

ResMed Pty Ltd
1 Elizabeth Macarthur Drive
Bella Vista, NSW, 2153

Testing period and place

Test Location	DEKRA Testing and Certification S.A.U.
Date (start)	2021-08-13
Date (finish)	2021-08-17

Document history

Report number	Date	Description
68649REM.002	2021-08-27	First release
68649REM.002A1	2021-10-21	Second release.This version correct a typographic error. This modification test report cancels and replaces the test report 68649REM.002s.
68649REM.002A2	2021-11-16	Third release. This version correct a typographic error. This modification test report cancels and replaces the test report 68649REM.002A1s.

Environmental conditions

In the control chamber, the following limits were not exceeded during the test:

Temperature	Min. = 15 ºC Max. = 35 ºC
Relative humidity	Min. = 30 % Max. = 75 %
Air pressure	Min. = 860mbar Max. = 1060mbar

In the semianechoic chamber, the following limits were not exceeded during the test.

Temperature	Min. = 15 ºC Max. = 35 ºC
Relative humidity	Min. = 30 % Max. = 75 %
Air pressure	Min. = 860mbar Max. = 1060mbar

In the chamber for conducted measurements, the following limits were not exceeded during the test:

Temperature	Min. = 15 ºC Max. = 35 ºC
Relative humidity	Min. = 30 % Max. = 75 %
Air pressure	Min. = 860mbar Max. = 1060mbar

Remarks and comments

The tests have been performed by the technical personnel: Carlos Haro & Lorena Oviedo.

Testing verdicts

Fail	F
Inconclusive	I
Not applicable	N/A
Not measured	N/M
Pass	P

List of equipment used during the test

/ Control Number	Description	Model	Manufacturer	Next Calibration
2942	EMI TEST RECEIVER 20Hz-40GHz	ESU40	ROHDE AND SCHWARZ	2021-09-17
3541	HYBRID BILOG ANTENNA 30MHz-6GHz	JB6	SUNOL SCIENCES CORPORATION	2021-10-10
3783	PRE-AMPLIFIER G>30dB 1GHz-18GHz	BLMA 0118-3A	BONN ELEKTRONIK	2021-10-01
4612	HORN ANTENNA 1-18GHz	BBHA 9120 D	SCHWARZBECK MESS-ELEKTRONIK	2024-07-13
6064	SEMIANECHOIC ABSORBER LINED CHAMBER III	SAC-3	Frankonia	---
6126	TEMPERATURE AND HUMIDITY PROBE	HWg-STE	HW GROUP	2022-04-05
6132	TEMPERATURE AND HUMIDITY PROBE	HWg-STE	HW GROUP	2022-04-05
6329	SHIELDED ROOM		FRANKONIA	---
7853	EMI RECEIVER 10Hz-30MHz	PMM 9010F	NARDA	2021-10-30
7859	THREE-PHASE ARTIFICIAL NETWORK 32A	PMM L3-32	NARDA	2021-11-20

Summary

Test Specification.	Requirement – Test case	Verdict	Remark
FCC CFR 47, Part 15, Subpart B (10-1-19 Edition) Sec. 15.109 & ICES-003 Issue 7 (October 2020)	RE Radiated emission. Electromagnetic field measure	Pass	---
FCC CFR 47, Part 15, Subpart B and C (10-1-19 Edition) Secs. 15.107 and 15.207 & ICES-003 Issue 7 (October 2020)	CE Continuous conducted emission	Pass	---
Supplementary information and remarks: None			

Appendix A: Test results

Appendix A content

Description of the operation modes

The operation modes described in this paragraph constitute a functionality of the sample under test for itself. Every operation mode takes a failure criteria for the immunity test that they were applying to it and a monitoring to guarantee performance of the same ones.

The operation modes used by the samples to which the present report refers, are shown in the following table:

Id	Description
OM/01	EUT ON. MS in IDLE mode. LTE Cat. M1 Band 2. Power supply: 115Vac, 60Hz
OM/02	EUT ON. MS in IDLE mode. LTE Cat. M1 Band 4. Power supply: 115Vac, 60Hz
OM/03	EUT ON. MS in IDLE mode. LTE Cat. M1 Band 5. Power supply: 115Vac, 60Hz
OM/04	EUT ON. MS in IDLE mode. LTE Cat. M1 Band 12. Power supply: 115Vac, 60Hz
OM/05	EUT ON. MS in IDLE mode. LTE Cat. M1 Band 13. Power supply: 115Vac, 60Hz
OM/06	EUT ON. MS in IDLE mode. LTE Cat. M1 Band 25. Power supply: 115Vac, 60Hz
OM/07	EUT ON. MS in IDLE mode. LTE Cat. M1 Band 26. Power supply: 115Vac, 60Hz
OM/08	EUT ON. MS in IDLE mode. LTE Cat. M1 Band 66. Power supply: 115Vac, 60Hz
OM/09	EUT ON. MS in traffic mode. LTE Cat. M1 Band 2. Power supply: 115Vac, 60Hz
OM/10	EUT ON. MS in traffic mode. LTE Cat. M1 Band 4. Power supply: 115Vac, 60Hz
OM/11	EUT ON. MS in traffic mode. LTE Cat. M1 Band 5. Power supply: 115Vac, 60Hz
OM/12	EUT ON. MS in traffic mode. LTE Cat. M1 Band 12. Power supply: 115Vac, 60Hz
OM/13	EUT ON. MS in traffic mode. LTE Cat. M1 Band 13. Power supply: 115Vac, 60Hz
OM/14	EUT ON. MS in traffic mode. LTE Cat. M1 Band 25. Power supply: 115Vac, 60Hz
OM/15	EUT ON. MS in traffic mode. LTE Cat. M1 Band 26. Power supply: 115Vac, 60Hz
OM/16	EUT ON. MS in traffic mode. LTE Cat. M1 Band 66. Power supply: 115Vac, 60Hz
OM/17	EUT ON. Bluetooth OFF. Power supply: 115 Vac, 60Hz.
OM/18	EUT ON. Bluetooth in communication mode. Power supply: 115 Vac, 60 Hz.

Test standards version applied

The product standards and test standards applied for each test cases are shown in the following table:

Product Test Standard	Test standard	Requirement – Test case
FCC CFR 47, Part 15, Subpart B (10-1-19 Edition) Sec. 15.109 & ICES-003 Issue 7 (October 2020)	ANSI C63.4 (2014)	RE Radiated emission.
FCC CFR 47, Part 15, Subpart B and C (10-1-19 Edition) Secs. 15.107 and 15.207 & ICES-003 Issue 7 (October 2020)	ANSI C63.4 (2014)	CE Continuous conducted emission

Test Cases Details

FCC CFR 47, Part 15, Subpart B
(10-1-19 Edition) Sec. 15.109 & ICES-003 Issue 7 (October 2020)
RE Radiated emission. Electromagnetic field measure

Limits

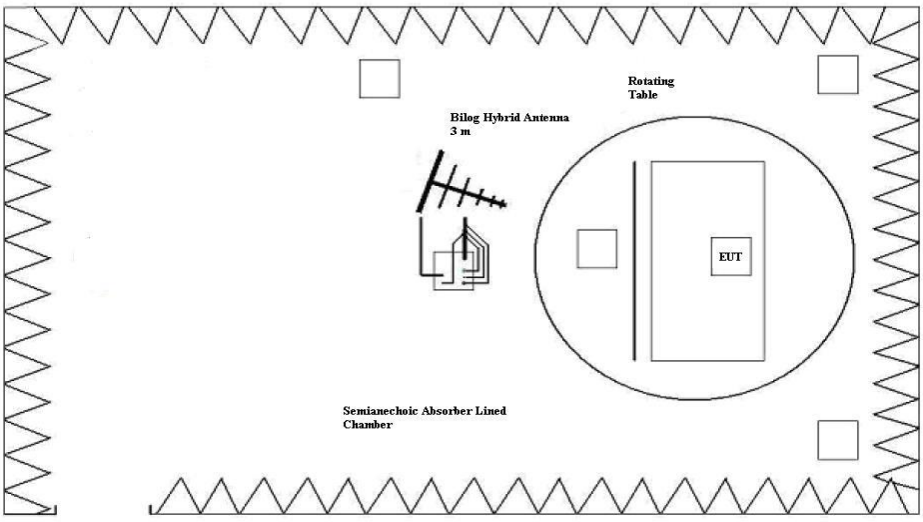
The applied limit for radiated emissions, 3 m distance, according to the requirements of FCC Rules and Regulations 47 CFR Part 15, Subpart B (10-1-19 Edition), Secs. 15.109 & ICES-003 Issue 7 (October 2020)

Frequency range (MHz)	FCC Part 15B		ICES-003 Issue 7		FCC Part 15B & ICES-003 Issue 7	
	QP Limit for 3 m		QP Limit for 3 m		PK Limit for 3 m	AVG Limit for 3 m
	(μV/m)	(dBμV/m)	(μV/m)	(dBμV/m)	(dBμV/m)	(dBμV/m)
30 to 88	100	40	100	40	---	---
88 to 216	150	43.5	150	43.5	---	---
216 to 230	200	46	200	46	---	---
230 to 960	200	46	224	47		
960 to 1000	500	54	500	54	---	---
Above 1000	---	---	---	---	74	54

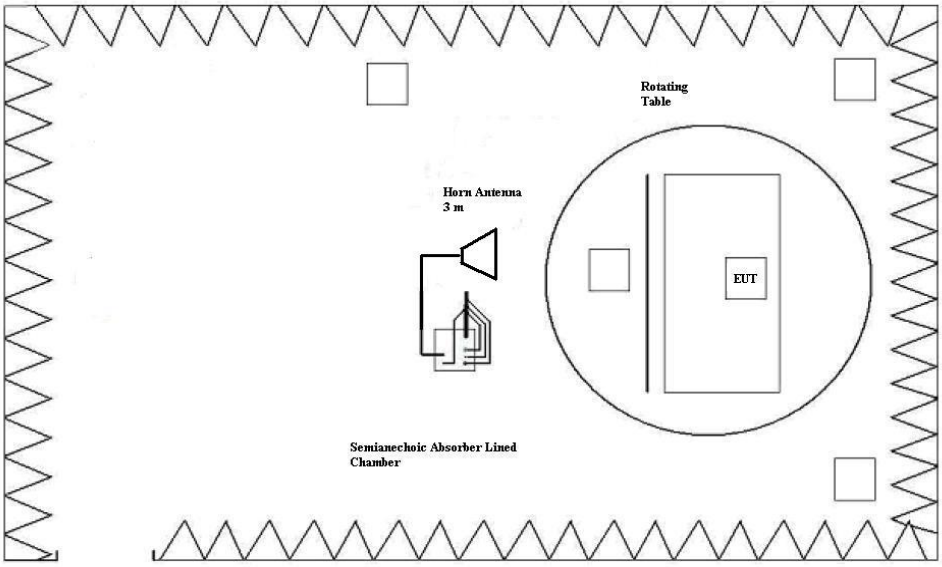
NOTE: FCC QP and AVG limits are in concordance with RSS-Gen Issue 5 (March 2019), Secs. 7.1 and 7.3.

Limits according to FCC Part 15B, equal to o more stringent than those of ICES-003 Issue 7.

Setup for measurements



Setup for measurements < 1GHz.



Setup for measurements > 1GHz.

Results

S/	OM	Code	Freq Rng (MHz)	V
01	OM/03	RE0103LR	[30, 1000]	P
01	OM/03	RE0103HR	[1000, 12750]	P

Verdict

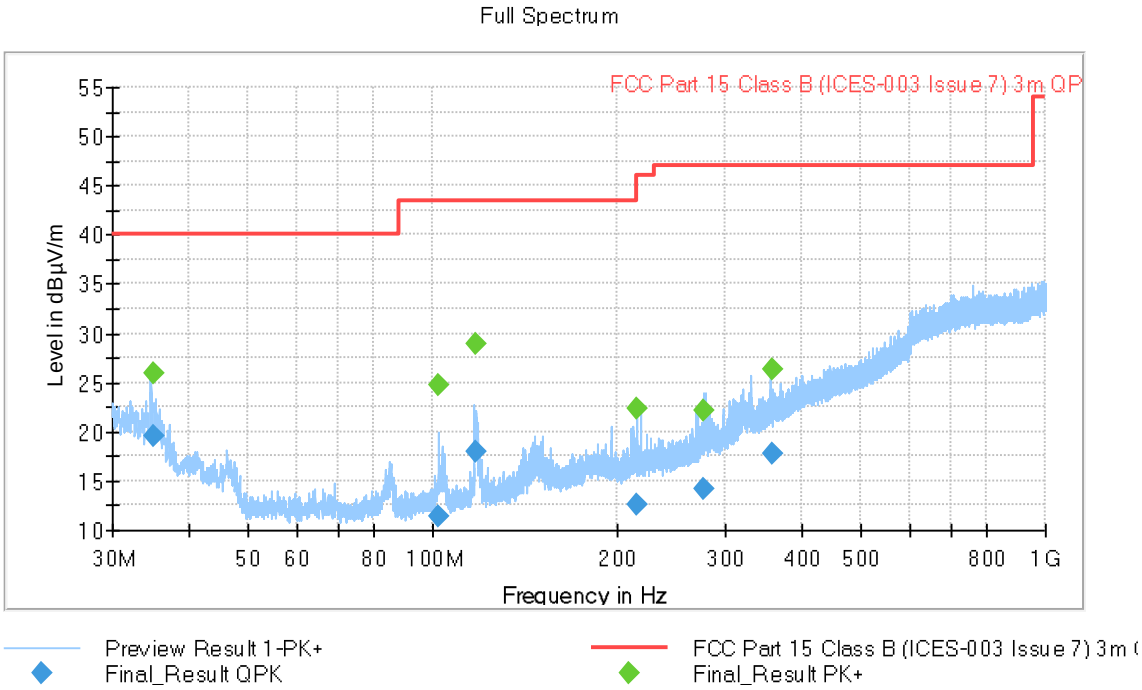
Pass

EMC Test Code = RE0103LR, Frequency Range MHz = [30, 1000]

Sample ID: S/01

Operation Mode: OM/03. EUT ON. MS in IDLE mode. LTE Band 5 (worst case). Power supply: 115Vac.

Images:



Documents:

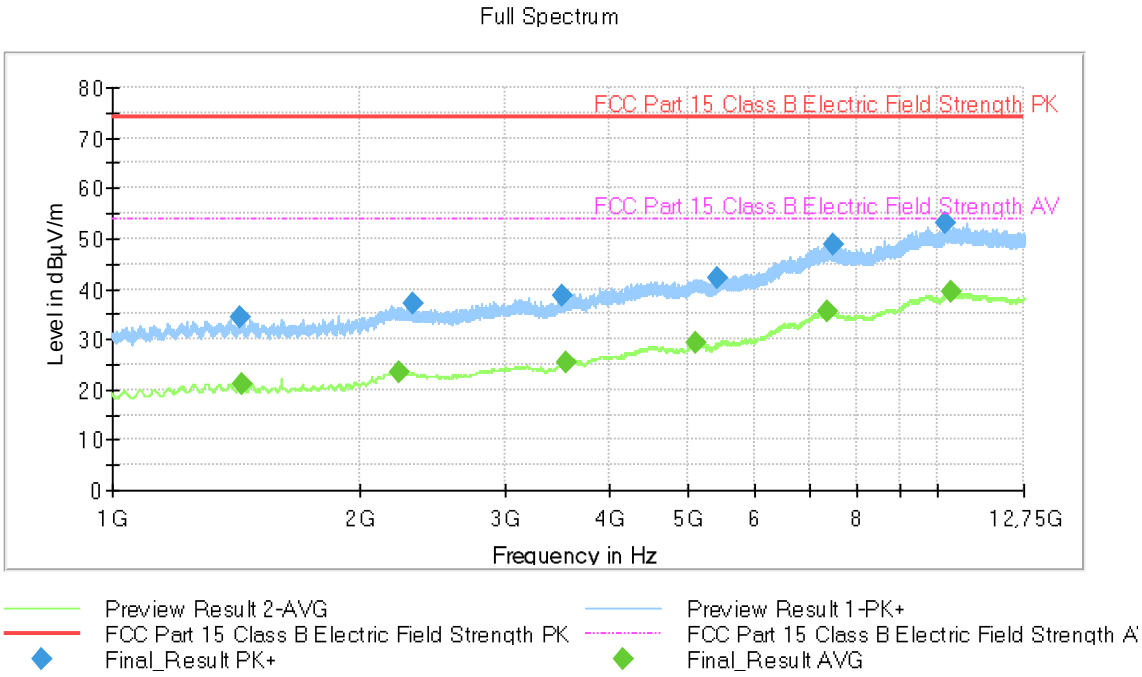
Frequency (MHz)	QuasiPeak (dBµV/m)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
35.125000	19.65	25.92	40.00	20.35	118.0	V	-28.0
102.310000	11.47	24.66	43.52	32.05	100.0	V	155.0
117.471000	18.01	28.96	43.52	25.51	118.0	V	23.0
215.463000	12.52	22.25	43.52	31.00	139.0	V	14.0
276.596000	14.11	22.11	47.00	32.89	139.0	H	96.0
357.088000	17.68	26.41	47.00	29.32	150.0	V	135.0

EMC Test Code = RE0103HR, Frequency Range MHz = [1000, 12750]

Sample ID: S/01

Operation Mode: OM/03. EUT ON. MS in IDLE mode. LTE Band 5 (worst case). Power supply: 115Vac.

Images:



Documents:

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)
1430.800000	34.15	---	73.97	39.82
1435.200000	---	21.13	53.97	32.84
2223.200000	---	23.59	53.97	30.38
2312.000000	37.08	---	73.97	36.89
3507.600000	38.45	---	73.97	35.52
3560.400000	---	25.21	53.97	28.76
5099.200000	---	29.23	53.97	24.74
5418.000000	42.21	---	73.97	31.76
7374.000000	---	35.55	53.97	18.42
7508.800000	48.67	---	73.97	25.30
10255.600000	52.92	---	73.97	21.05
10393.200000	---	39.25	53.97	14.72

FCC CFR 47, Part 15, Subpart B and C
(10-1-19 Edition) Secs. 15.107 and 15.207 & ICES-003 Issue 7 (October 2020)
CE Continuous conducted emission

Limits

The applied limit for continuous conducted emissions in power leads, according with the requirements of FCC Rules and Regulations 47 CFR Part 15, Subpart B and C (10-1-19 Edition), Secs. 15.107 and 15.207 & ICES-003 Issue 7 (October 2020), in the frequency range 0,15 to 30 MHz, for Class B equipment was:

Frequency range	Limit (dBµV)	
(MHz)	Quasi-Peak	Average
0,15 to 0,5	66 - 56	56 - 46
0,5 to 5	56	46
5 to 30	60	50

Results

S/	OM	Code	Freq Rng (MHz)	Line	V
01	OM/01	CE01010N	[0.15, 30]	N	P
01	OM/01	CE0101L1	[0.15, 30]	L1	P
01	OM/02	CE01020N	[0.15, 30]	N	P
01	OM/02	CE0102L1	[0.15, 30]	L1	P
01	OM/03	CE01030N	[0.15, 30]	N	P
01	OM/03	CE0103L1	[0.15, 30]	L1	P
01	OM/04	CE01040N	[0.15, 30]	N	P
01	OM/04	CE01040L1	[0.15, 30]	L1	P
01	OM/05	CE01050N	[0.15, 30]	N	P
01	OM/05	CE0105L1	[0.15, 30]	L1	P
01	OM/06	CE01060N	[0.15, 30]	N	P
01	OM/06	CE0106L1	[0.15, 30]	L1	P
01	OM/07	CE01070N	[0.15, 30]	N	P
01	OM/07	CE0107L1	[0.15, 30]	L1	P
01	OM/08	CE01080N	[0.15, 30]	N	P
01	OM/08	CE0108L1	[0.15, 30]	L1	P
01	OM/09	CE01090N	[0.15, 30]	N	P
01	OM/09	CE0109L1	[0.15, 30]	L1	P
01	OM/10	CE01100N	[0.15, 30]	N	P
01	OM/10	CE0110L1	[0.15, 30]	L1	P
01	OM/11	CE01110N	[0.15, 30]	N	P
01	OM/11	CE0111L1	[0.15, 30]	L1	P
01	OM/12	CE01120N	[0.15, 30]	N	P
01	OM/12	CE0112L1	[0.15, 30]	L1	P

S/	OM	Code	Freq Rng (MHz)	Line	V
01	OM/13	CE01130N	[0.15, 30]	N	P
01	OM/13	CE0113L1	[0.15, 30]	L1	P
01	OM/14	CE01140N	[0.15, 30]	N	P
01	OM/14	CE0114L1	[0.15, 30]	L1	P
01	OM/15	CE01150N	[0.15, 30]	N	P
01	OM/15	CE0115L1	[0.15, 30]	L1	P
01	OM/16	CE01160N	[0.15, 30]	N	P
01	OM/16	CE0116L1	[0.15, 30]	L1	P
01	OM/17	CE0117L1	[0.15, 30]	N	P
01	OM/17	CE01170N	[0.15, 30]	L1	P
01	OM/18	CE0118L1	[0.15, 30]	N	P
01	OM/18	CE01180N	[0.15, 30]	L1	P

Verdict

Pass

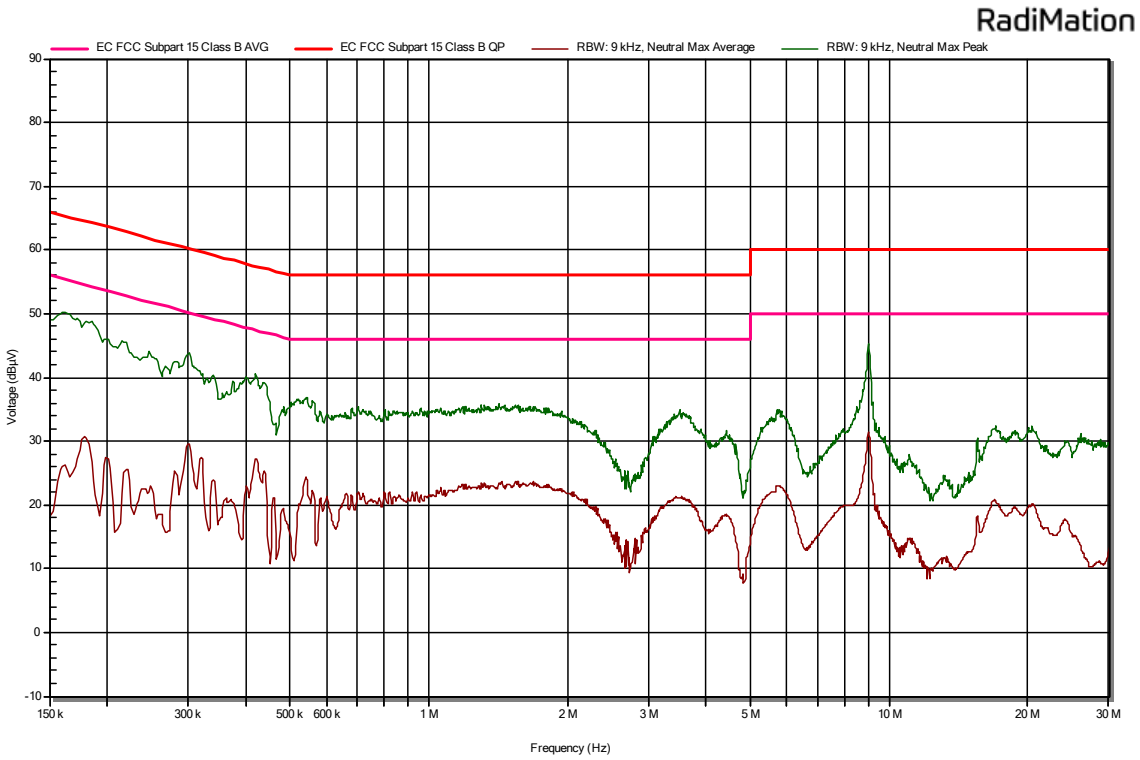
Attachments

EMC Test Code = CE01010N, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = N

Sample ID: S/01

Operation Mode: OM/01. EUT ON. MS in IDLE mode. LTE Cat. M1 Band 2. Power supply: 115Vac, 60Hz

Images:



Documents:

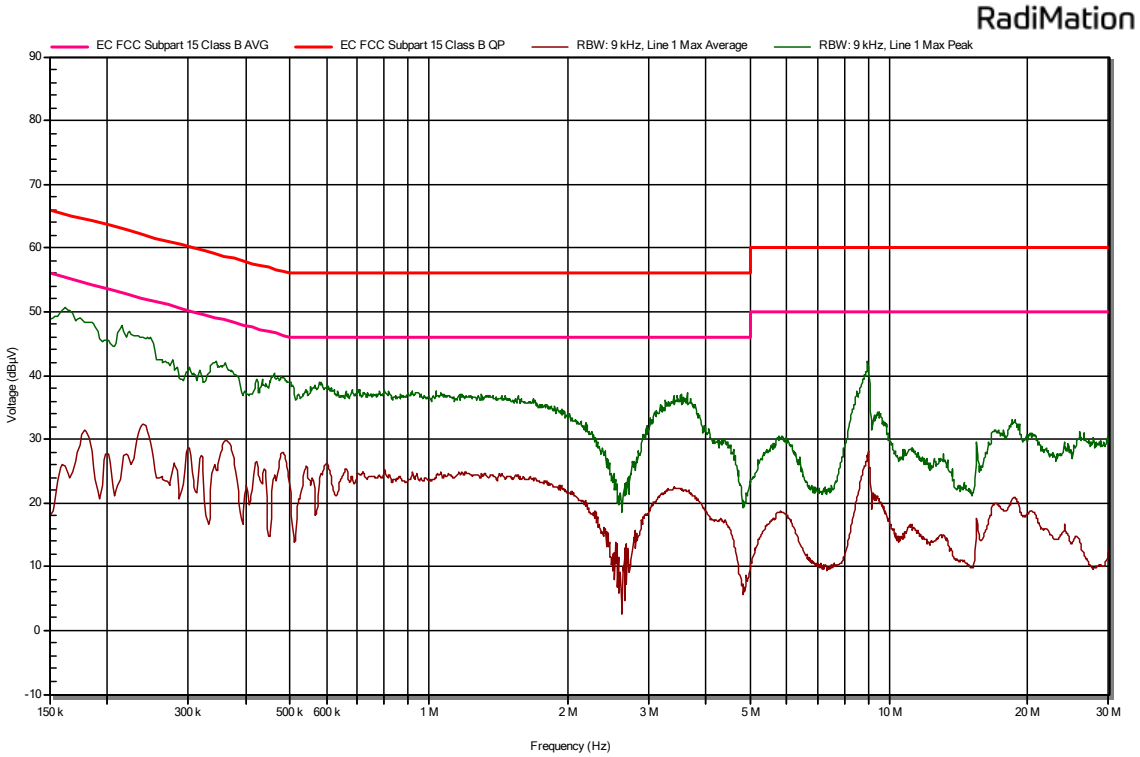
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
8,91	32,3	44,8	Neutral

EMC Test Code = CE0101L1, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = L1

Sample ID: S/01

Operation Mode: OM/01. EUT ON. MS in IDLE mode. LTE Cat. M1 Band 2. Power supply: 115Vac, 60Hz

Images:



Documents:

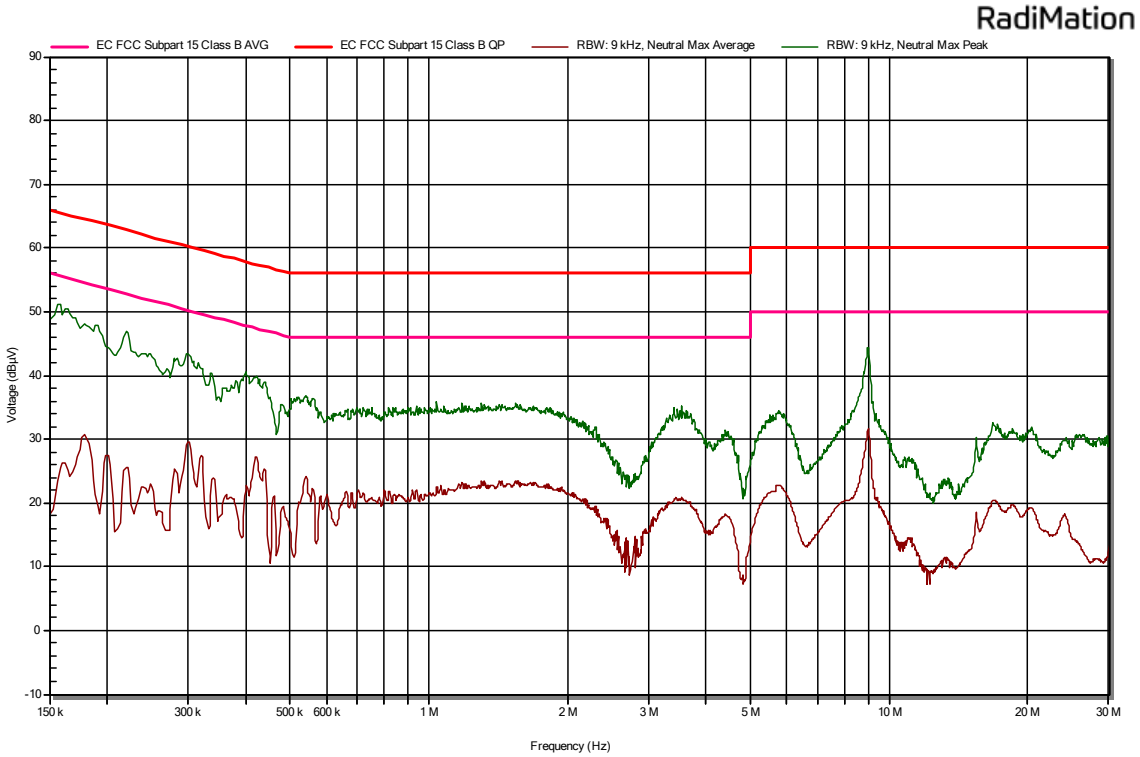
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,148	26,2	1,1	Line 1

EMC Test Code = CE01020N, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = N

Sample ID: S/01

Operation Mode: OM/02. EUT ON. MS in IDLE mode. LTE Cat. M1 Band 4. Power supply: 115Vac, 60Hz

Images:



Documents:

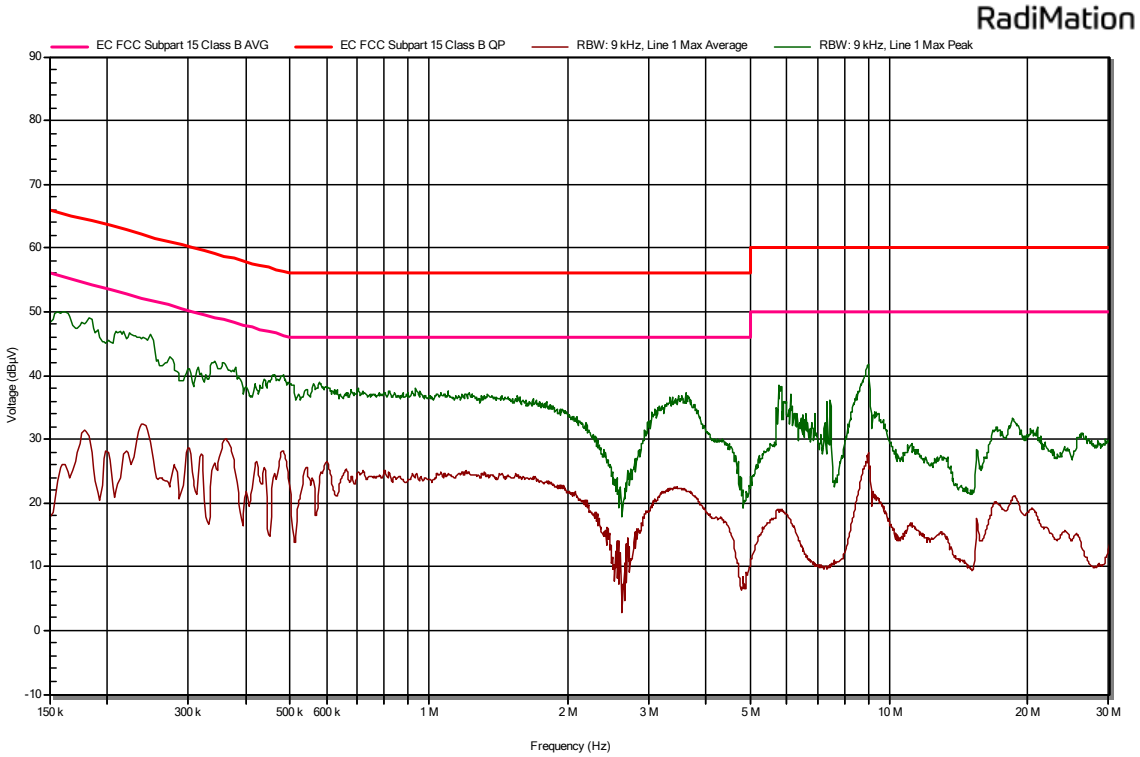
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,158	25,5	51,1	Neutral

EMC Test Code = CE0101L1, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = L1

Sample ID: S/01

Operation Mode: OM/02. EUT ON. MS in IDLE mode. LTE Cat. M1 Band 4. Power supply: 115Vac, 60Hz

Images:



Documents:

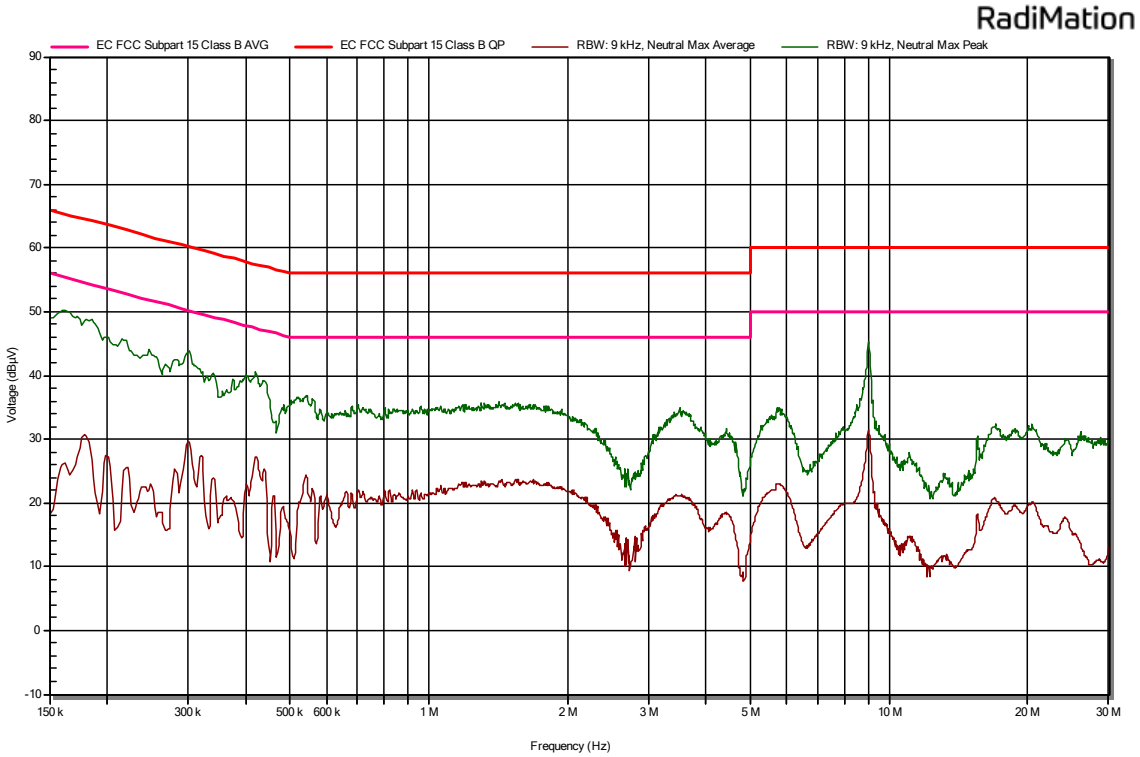
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,158	25,6	49,7	Line 1

EMC Test Code = CE01030N, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = N

Sample ID: S/01

Operation Mode: OM/03. EUT ON. MS in IDLE mode. LTE Cat. M1 Band 5. Power supply: 115Vac, 60Hz

Images:



Documents:

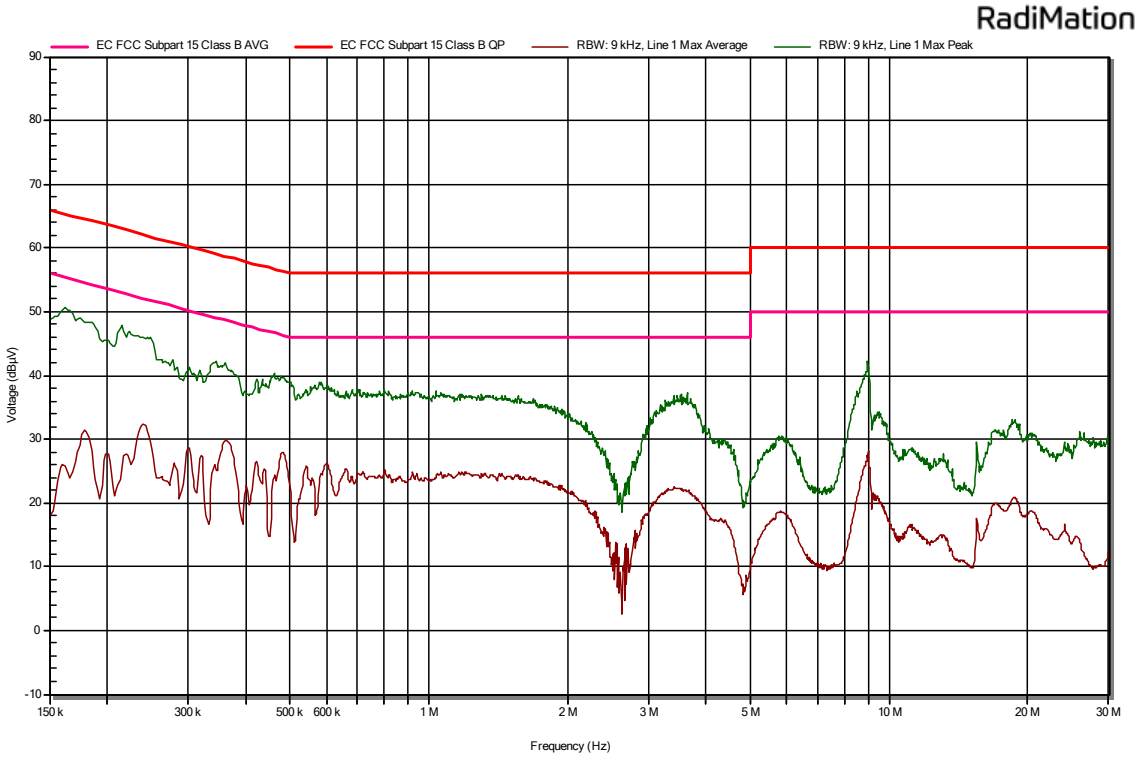
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
9,001	31,1	45,4	Neutral

EMC Test Code = CE0103L1, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = L1

Sample ID: S/01

Operation Mode: OM/03. EUT ON. MS in IDLE mode. LTE Cat. M1 Band 5. Power supply: 115Vac, 60Hz

Images:



Documents:

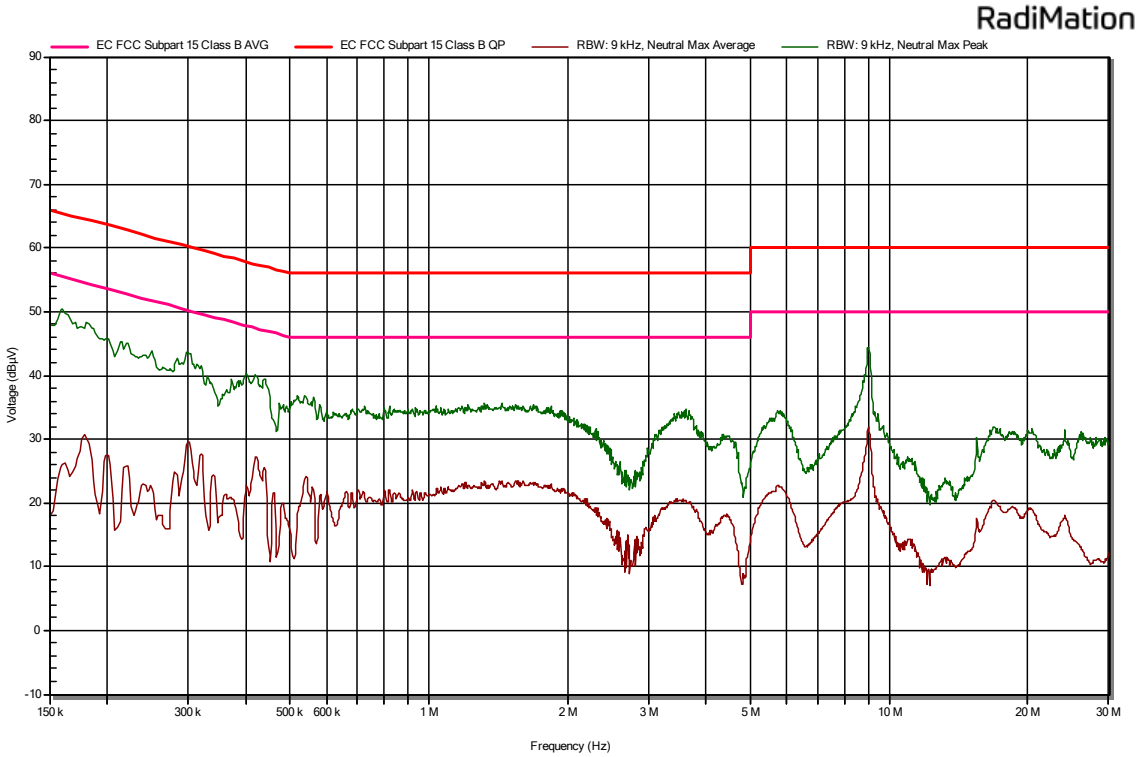
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,162	25,9	50,6	Line 1

EMC Test Code = CE01040N, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = N

Sample ID: S/01

Operation Mode: OM/04. EUT ON. MS in IDLE mode. LTE Cat. M1 Band 12. Power supply: 115Vac, 60Hz

Images:



Documents:

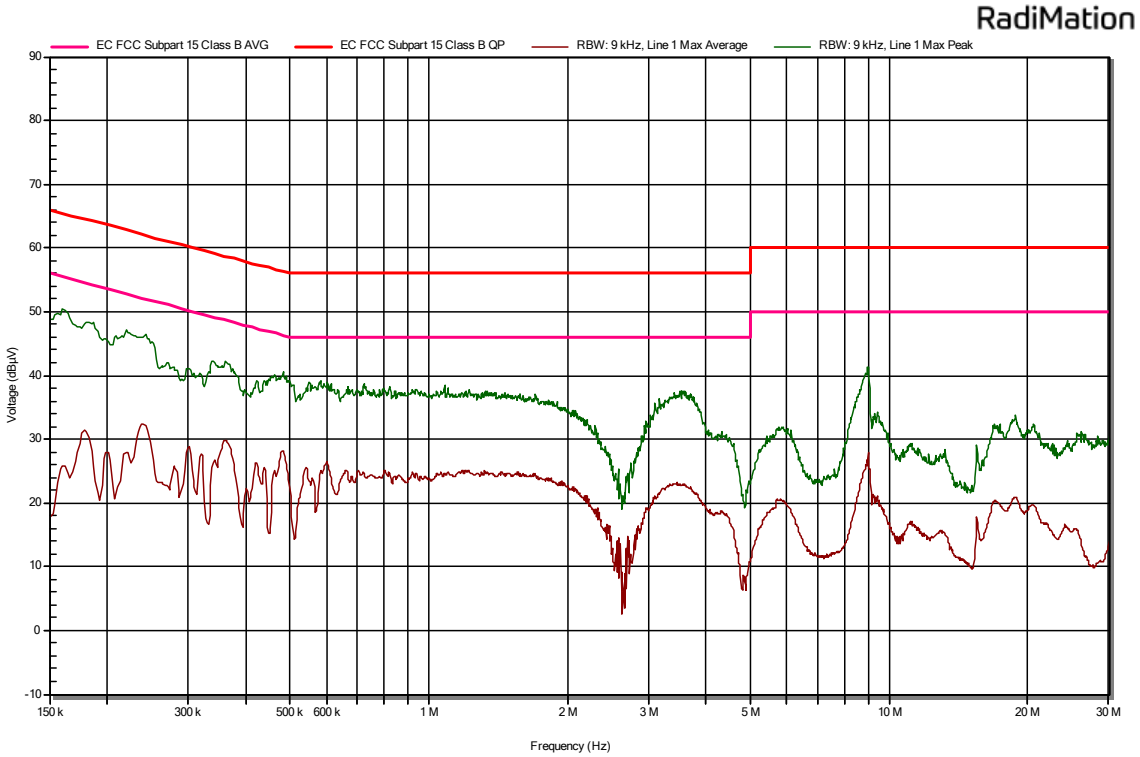
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,16	26,1	50,4	Neutral

EMC Test Code = CE0104L1, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = L1

Sample ID: S/01

Operation Mode: OM/04. EUT ON. MS in IDLE mode. LTE Cat. M1 Band 12. Power supply: 115Vac, 60Hz

Images:



Documents:

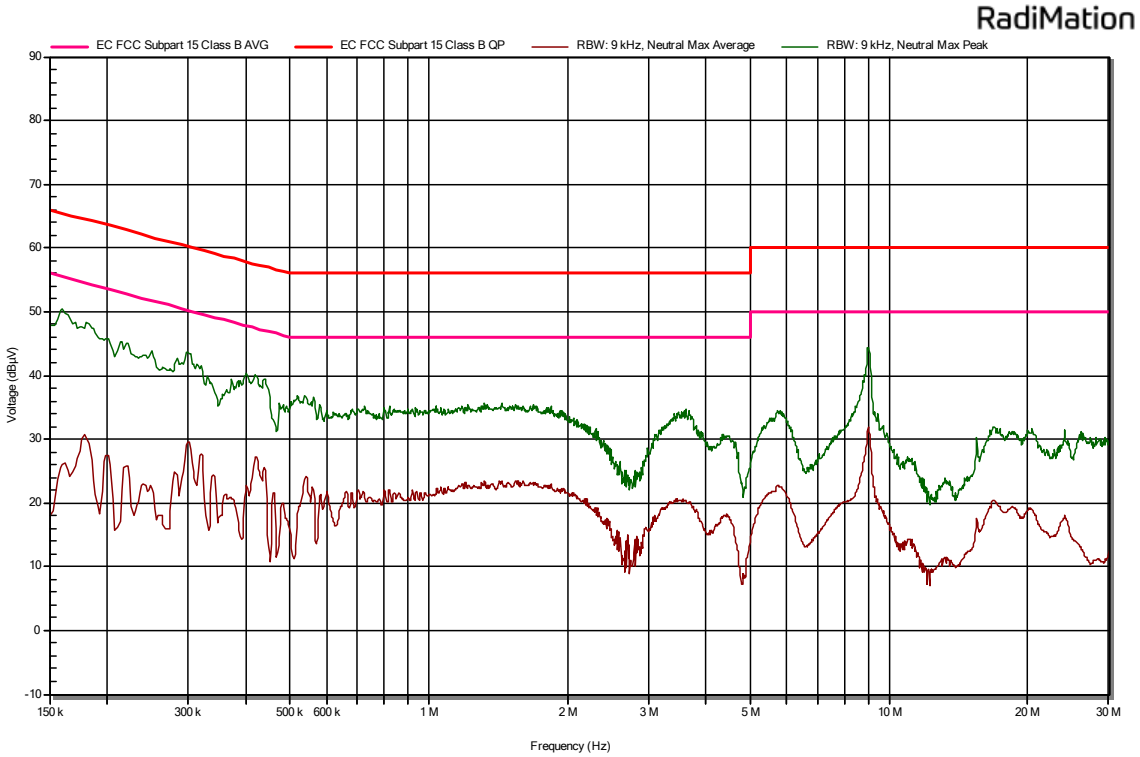
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,16	25,8	50,3	Line 1

EMC Test Code = CE01050N, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = N

Sample ID: S/01

Operation Mode: OM/05. EUT ON. MS in IDLE mode. LTE Cat. M1 Band 13. Power supply: 115Vac, 60Hz

Images:



Documents:

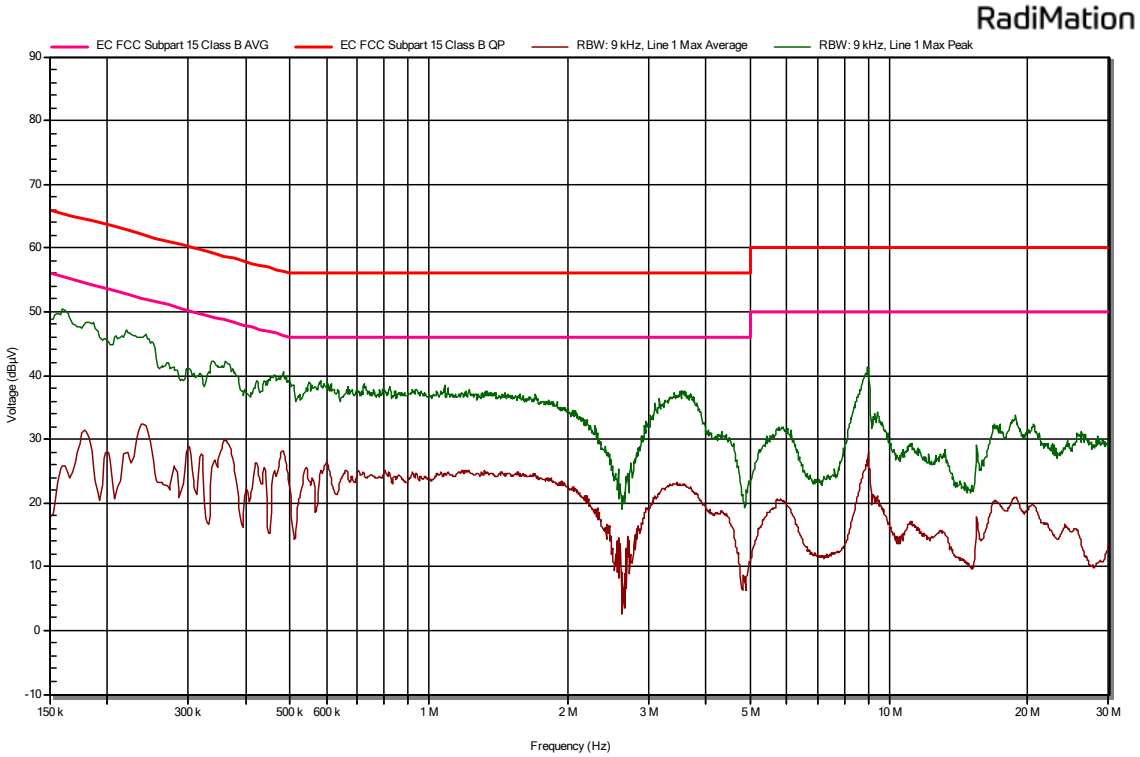
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,157	25.8	48,9	Neutral

EMC Test Code = CE0105L1, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = L1

Sample ID: S/01

Operation Mode: OM/05. EUT ON. MS in IDLE mode. LTE Cat. M1 Band 13. Power supply: 115Vac, 60Hz

Images:



Documents:

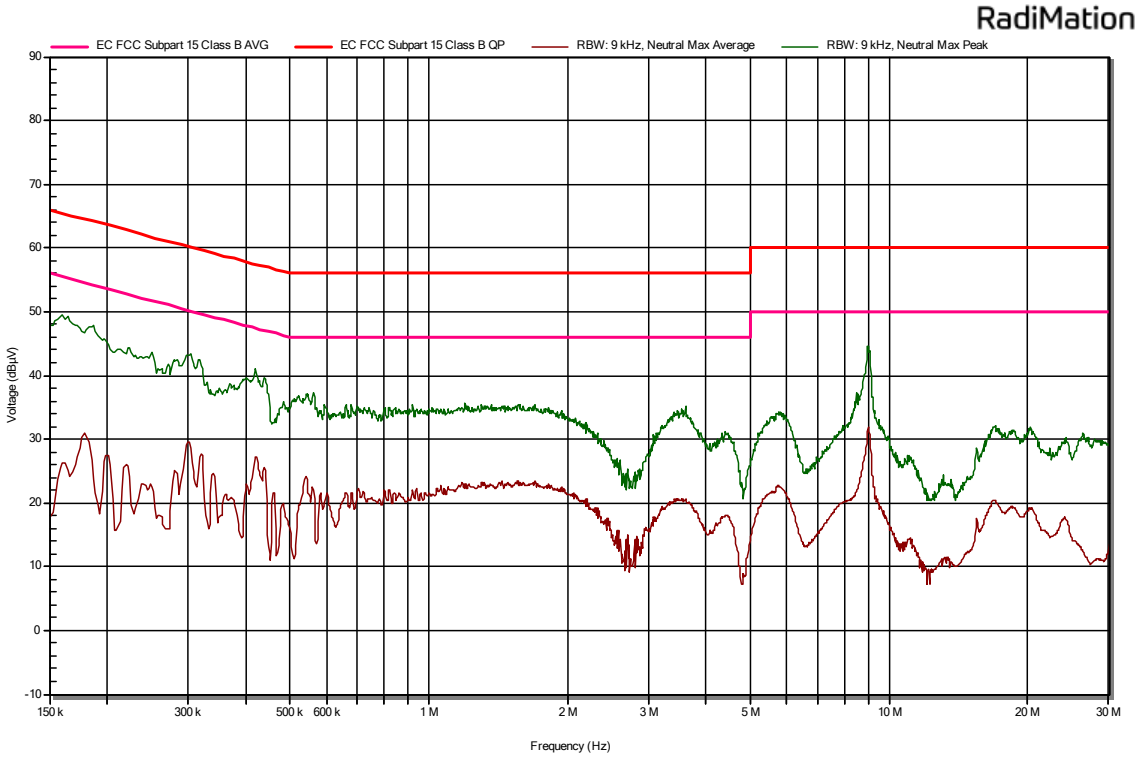
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,163	24,7	51,2	Line 1

EMC Test Code = CE01060N, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = N

Sample ID: S/01

Operation Mode: OM/06. EUT ON. MS in IDLE mode. LTE Cat. M1 Band 25. Power supply: 115Vac, 60Hz

Images:



Documents:

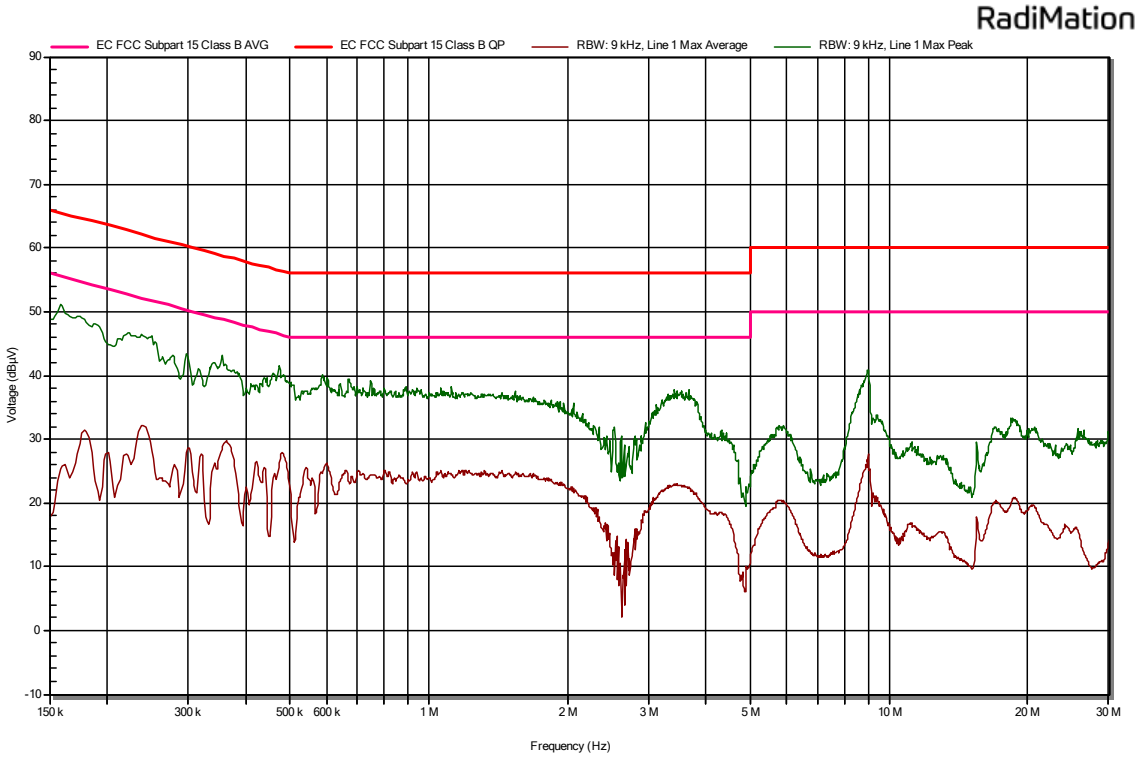
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
9,003	31,4	44,4	Neutral

EMC Test Code = CE0106L1, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = L1

Sample ID: S/01

Operation Mode: OM/06. EUT ON. MS in IDLE mode. LTE Cat. M1 Band 25. Power supply: 115Vac, 60Hz

Images:



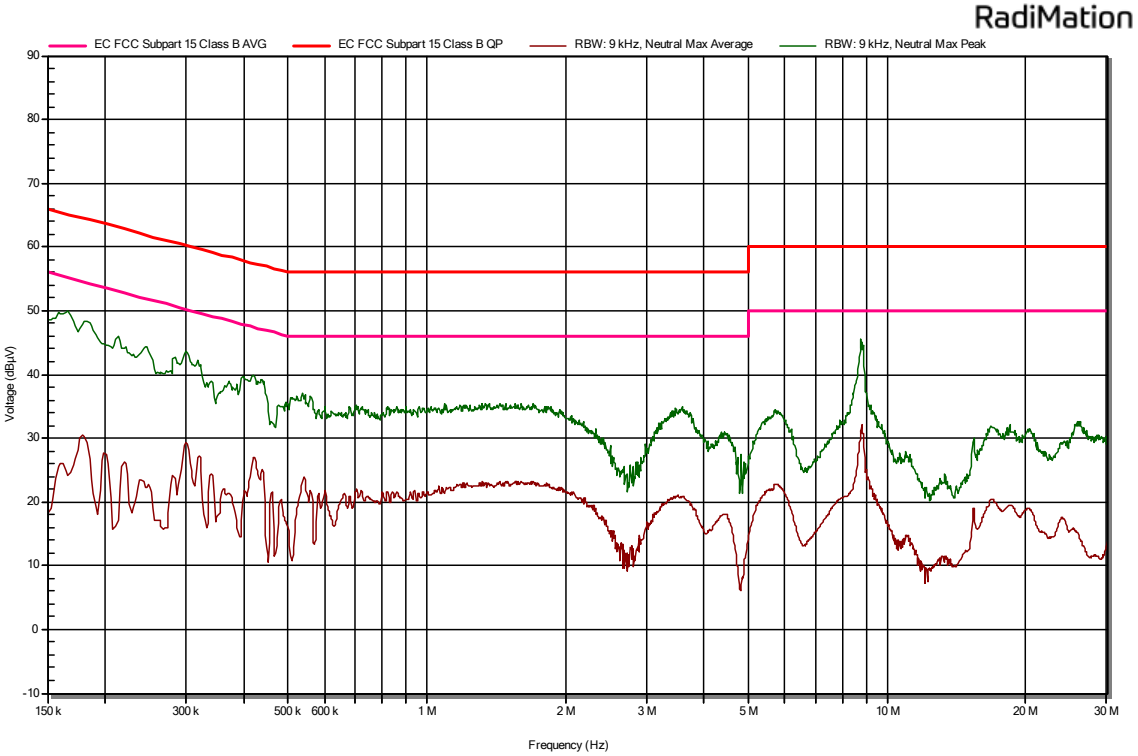
Documents:

Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,16	25,9	51	Line 1

EMC Test Code = CE01070N, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = N

Sample ID: S/01

Operation Mode: OM/07. EUT ON. MS in IDLE mode. LTE Cat. M1 Band 26. Power supply: 115Vac, 60Hz
Images:



Documents:

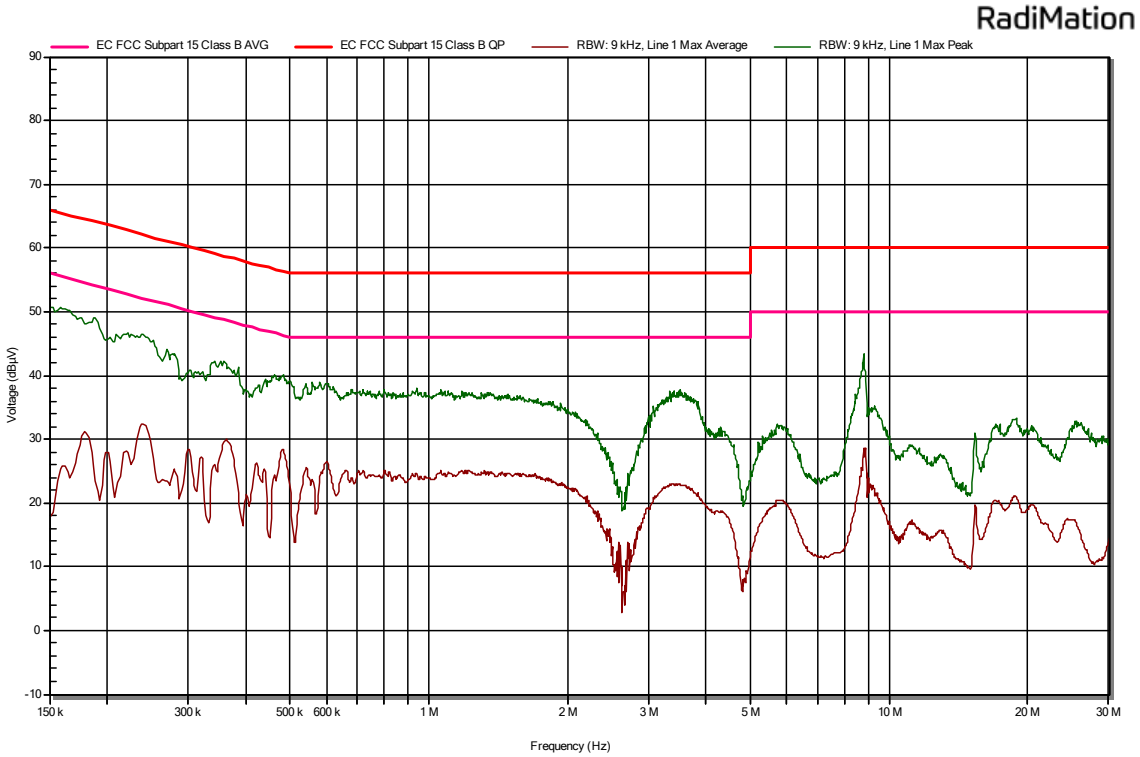
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
8,799	32,2	44,7	Neutral

EMC Test Code = CE0107L1, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = L1

Sample ID: S/01

Operation Mode: OM/07. EUT ON. MS in IDLE mode. LTE Cat. M1 Band 26. Power supply: 115Vac, 60Hz

Images:



Documents:

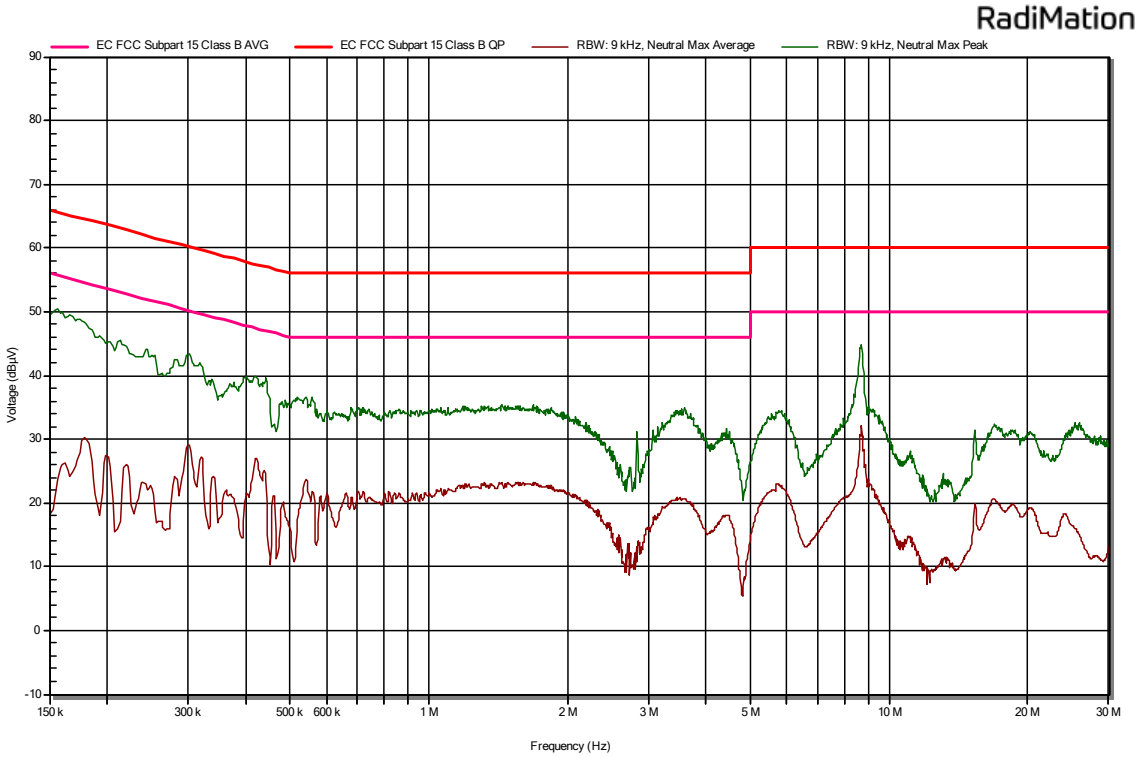
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,15	17,9	50,6	Line 1

EMC Test Code = CE01080N, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = N

Sample ID: S/01

Operation Mode: OM/08. EUT ON. MS in IDLE mode. LTE Cat. M1 Band 66. Power supply: 115Vac, 60Hz

Images:



Documents:

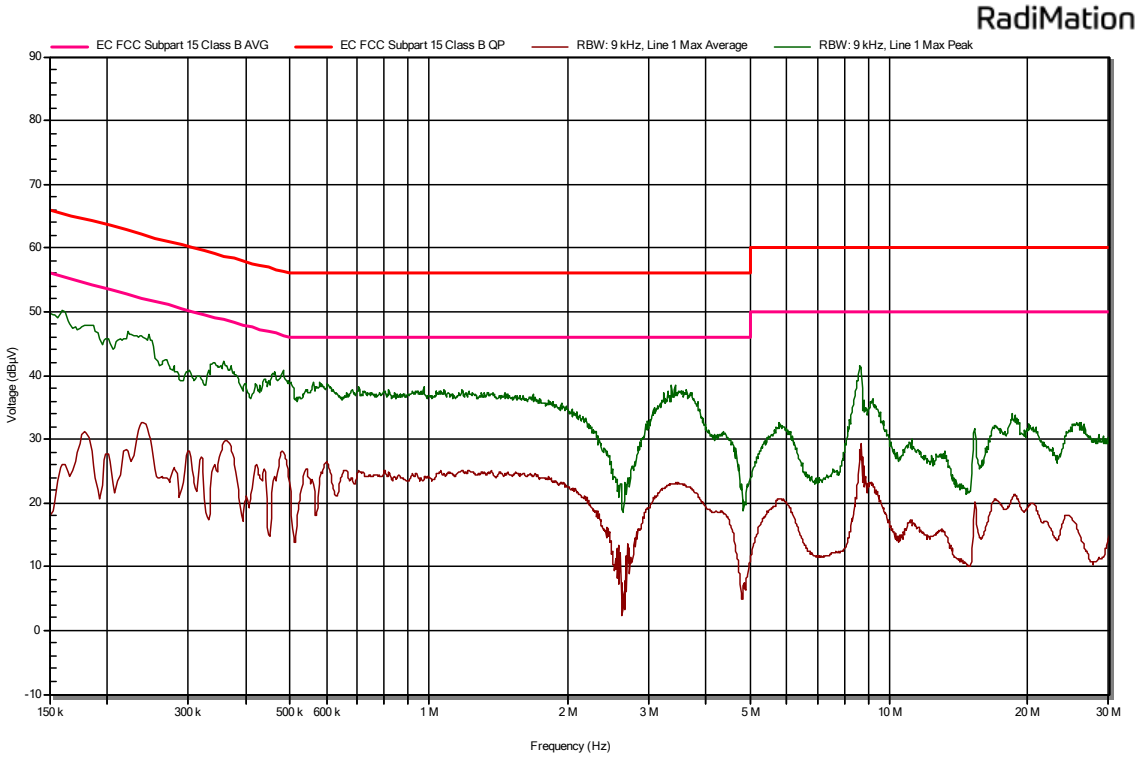
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
8,697	31,9	44,6	Neutral

EMC Test Code = CE0108L1, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = L1

Sample ID: S/01

Operation Mode: OM/08. EUT ON. MS in IDLE mode. LTE Cat. M1 Band 66. Power supply: 115Vac, 60Hz

Images:



Documents:

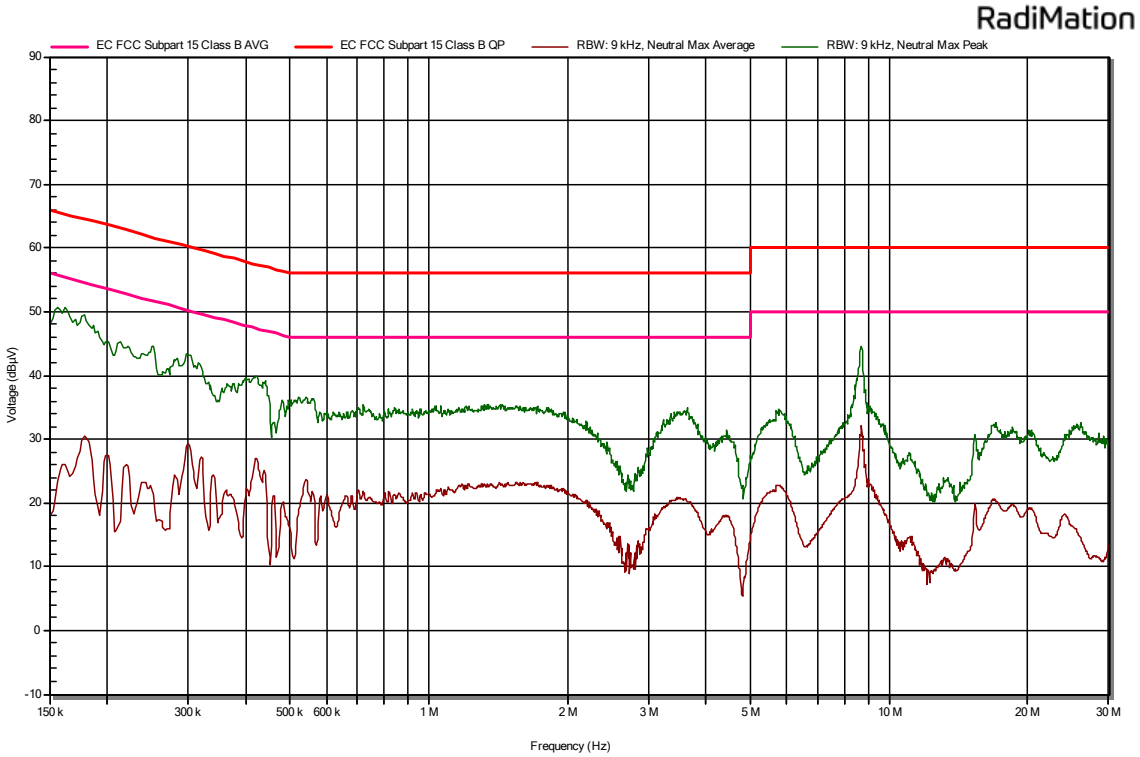
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,481	28	40,7	Line 1

EMC Test Code = CE01090N, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = N

Sample ID: S/01

Operation Mode: OM/09. EUT ON. MS in traffic mode. LTE Cat. M1 Band 2. Power supply: 115Vac, 60Hz

Images:



Documents:

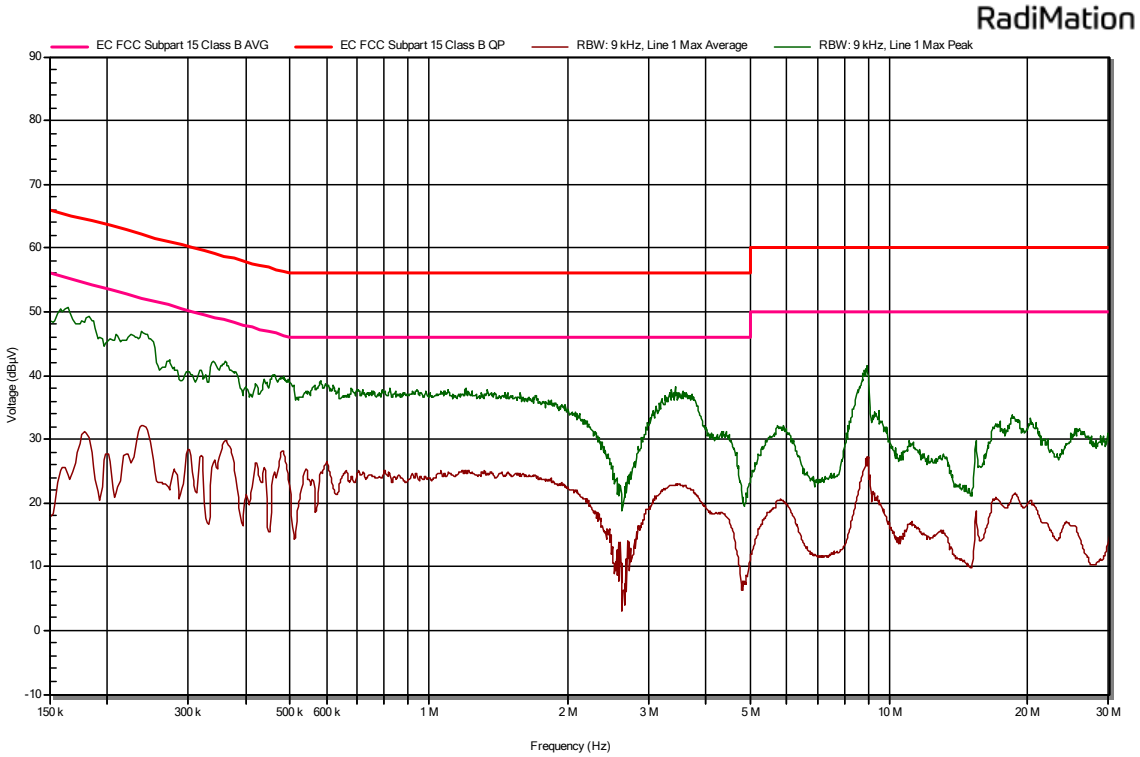
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,179	30,6	49,4	Neutral

EMC Test Code = CE0109L1, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = L1

Sample ID: S/01

Operation Mode: OM/09. EUT ON. MS in traffic mode. LTE Cat. M1 Band 2. Power supply: 115Vac, 60Hz

Images:



Documents:

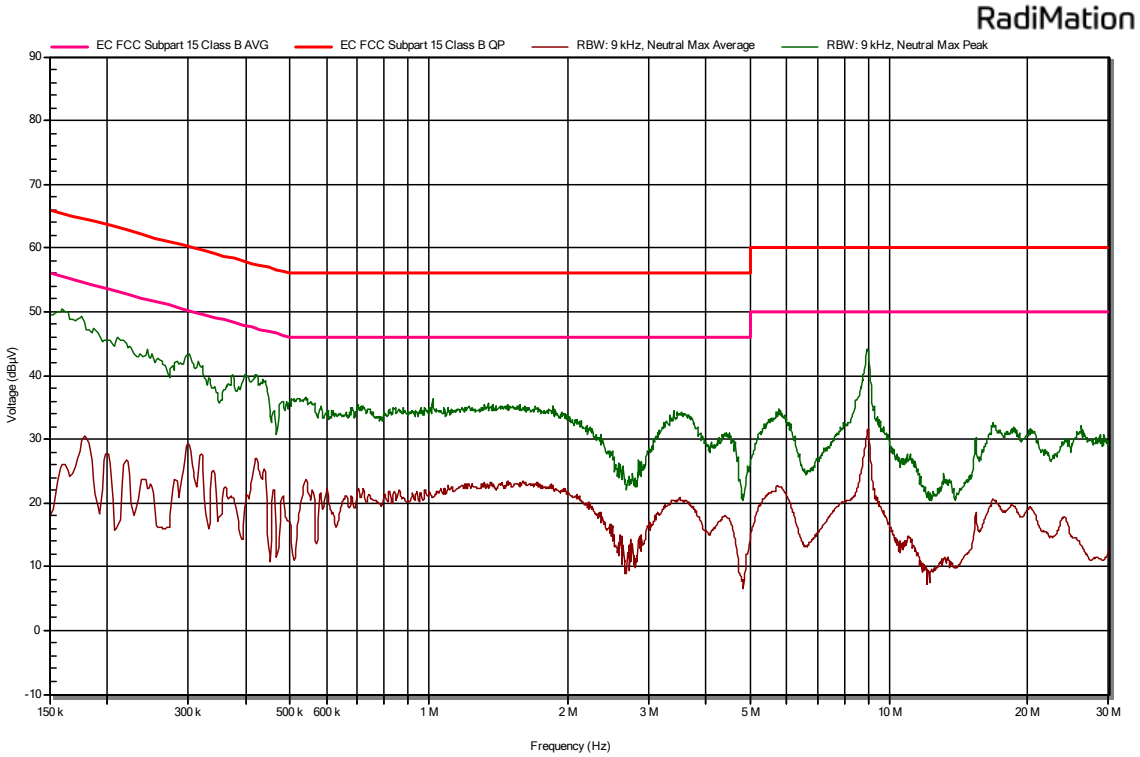
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,162	25,5	50,6	Line 1

EMC Test Code = CE01100N, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = N

Sample ID: S/01

Operation Mode: OM/10. EUT ON. MS in traffic mode. LTE Cat. M1 Band 4. Power supply: 115Vac, 60Hz

Images:



Documents:

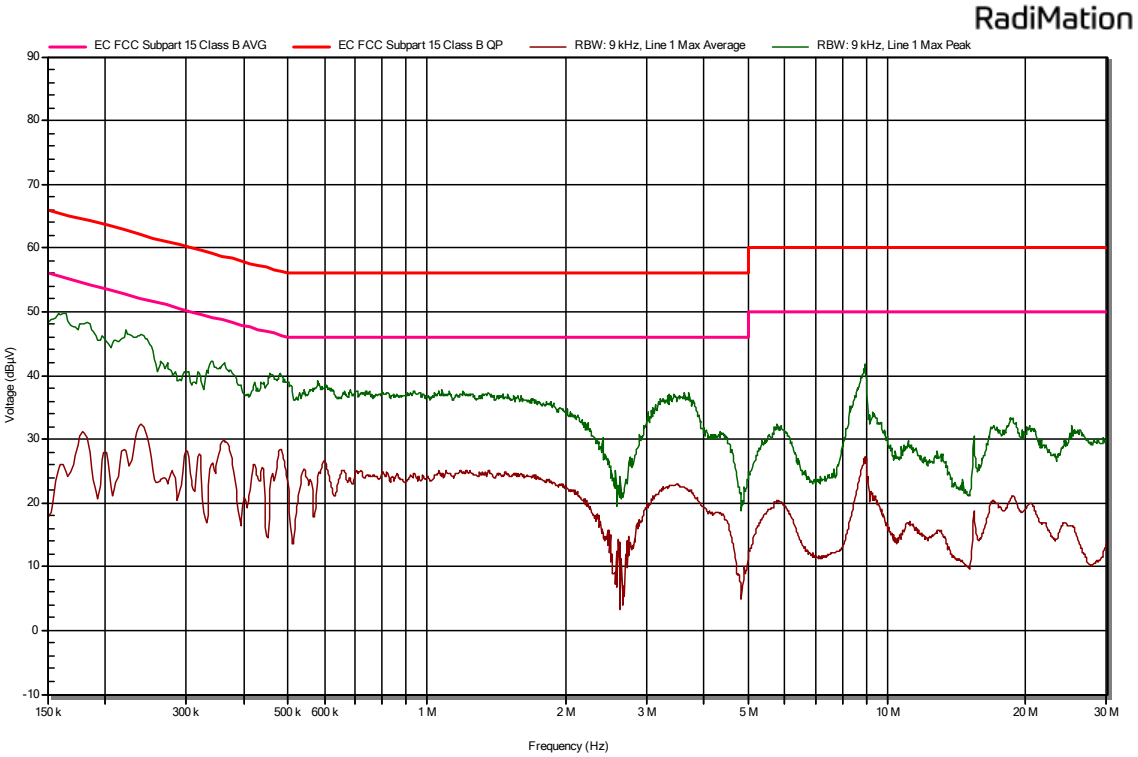
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,156	23,5	50	Neutral

EMC Test Code = CE0110L1, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = L1

Sample ID: S/01

Operation Mode: OM/10. EUT ON. MS in traffic mode. LTE Cat. M1 Band 4. Power supply: 115Vac, 60Hz

Images:



Documents:

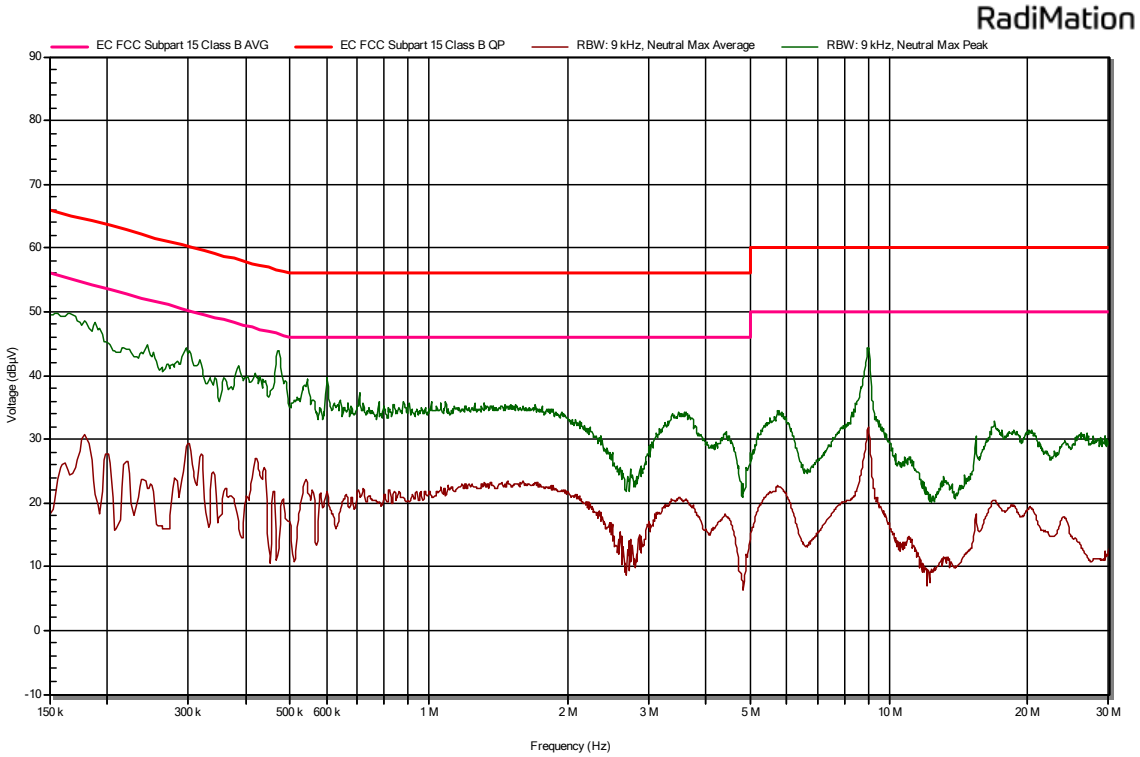
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,24	32,3	46,5	Line 1

EMC Test Code = CE01110N, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = N

Sample ID: S/01

Operation Mode: OM/11. EUT ON. MS in traffic mode. LTE Cat. M1 Band 5. Power supply: 115Vac, 60Hz

Images:



Documents:

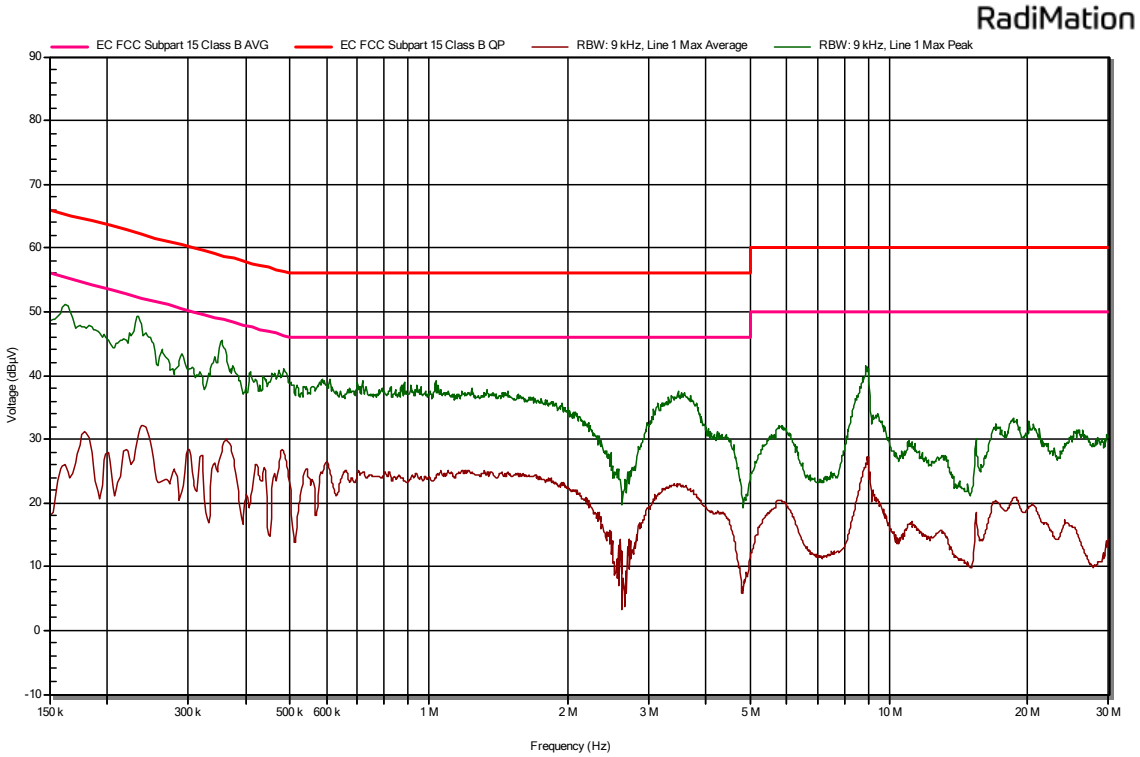
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,471	12,9	44	Neutral

EMC Test Code = CE0111L1, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = L1

Sample ID: S/01

Operation Mode: OM/11. EUT ON. MS in traffic mode. LTE Cat. M1 Band 5. Power supply: 115Vac, 60Hz

Images:



Documents:

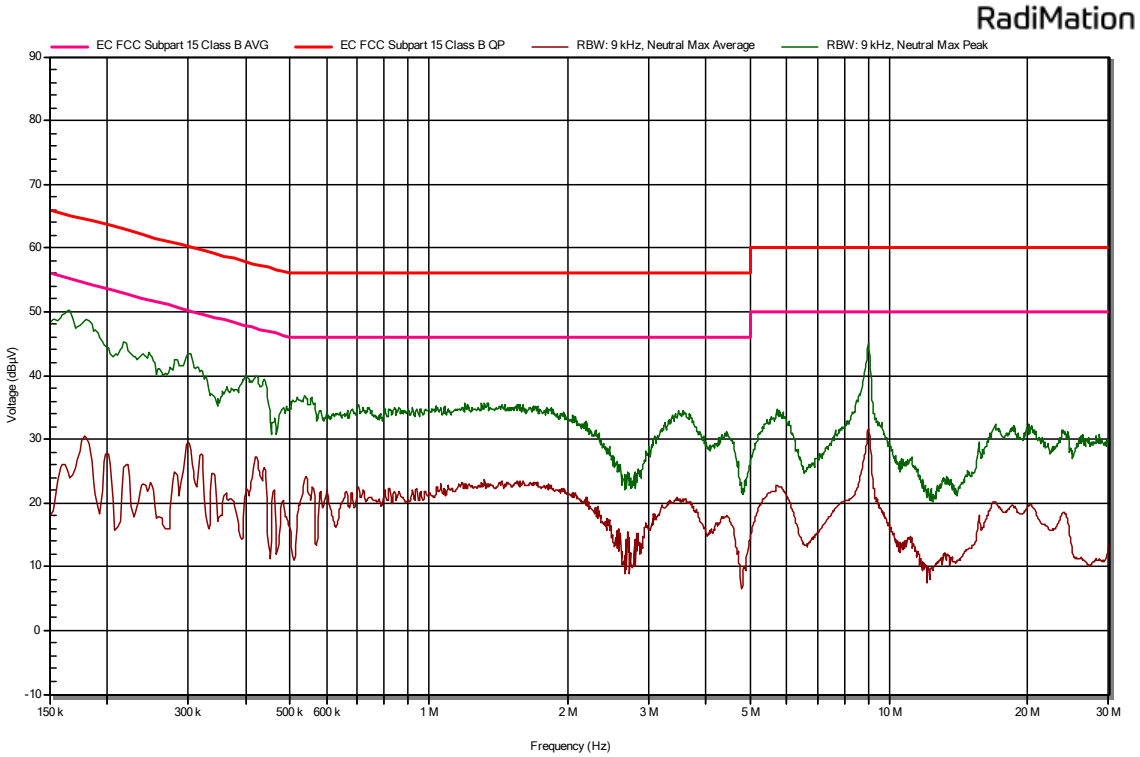
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,234	30,7	49,2	Line 1

EMC Test Code = CE01120N, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = N

Sample ID: S/01

Operation Mode: OM/12. EUT ON. MS in traffic mode. LTE Cat. M1 Band 12. Power supply: 115Vac, 60Hz

Images:



Documents:

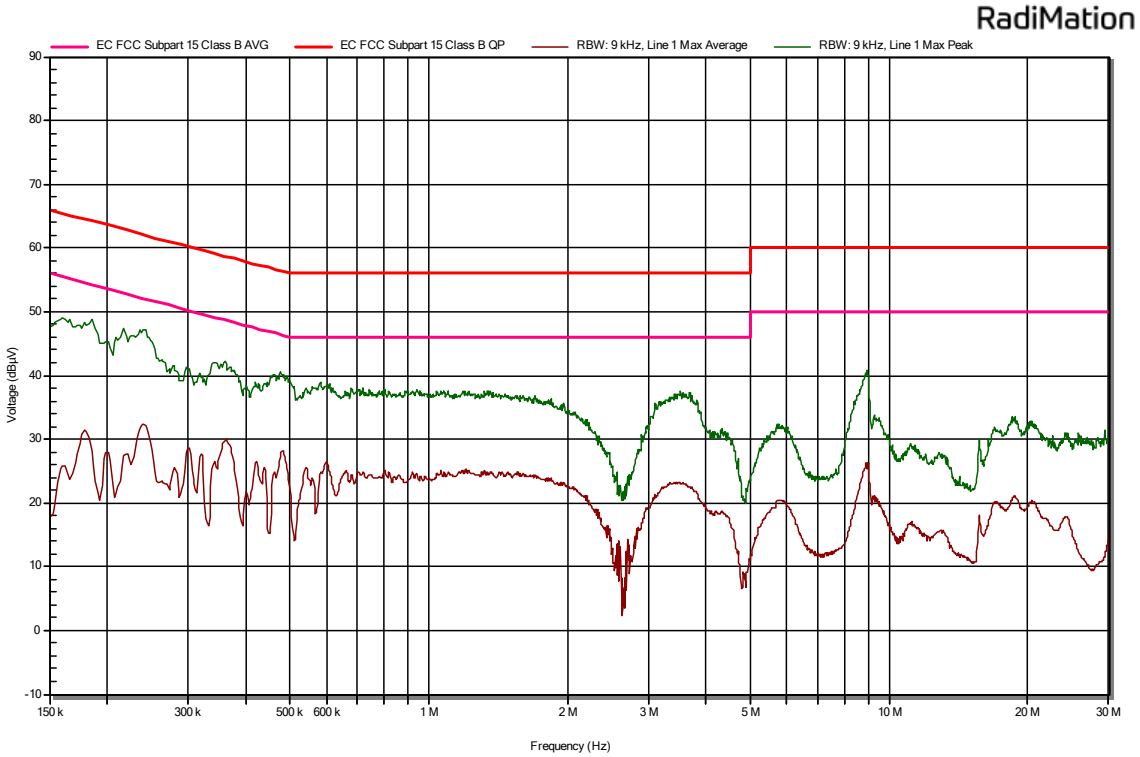
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
9,003	31,3	44,7	Neutral

EMC Test Code = CE0112L1, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = L1

Sample ID: S/01

Operation Mode: OM/12. EUT ON. MS in traffic mode. LTE Cat. M1 Band 12. Power supply: 115Vac, 60Hz

Images:



Documents:

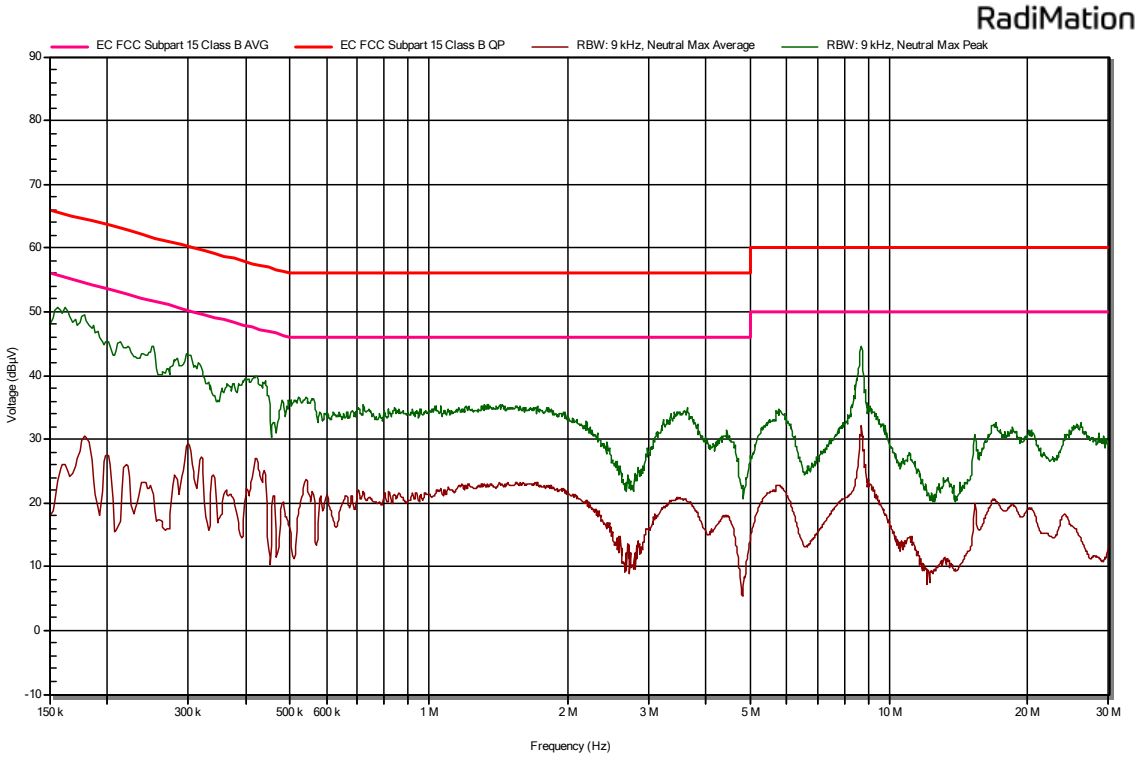
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,24	32,3	47,1	Line 1

EMC Test Code = CE01130N, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = N

Sample ID: S/01

Operation Mode: OM/13. EUT ON. MS in traffic mode. LTE Cat. M1 Band 13. Power supply: 115Vac, 60Hz

Images:



Documents:

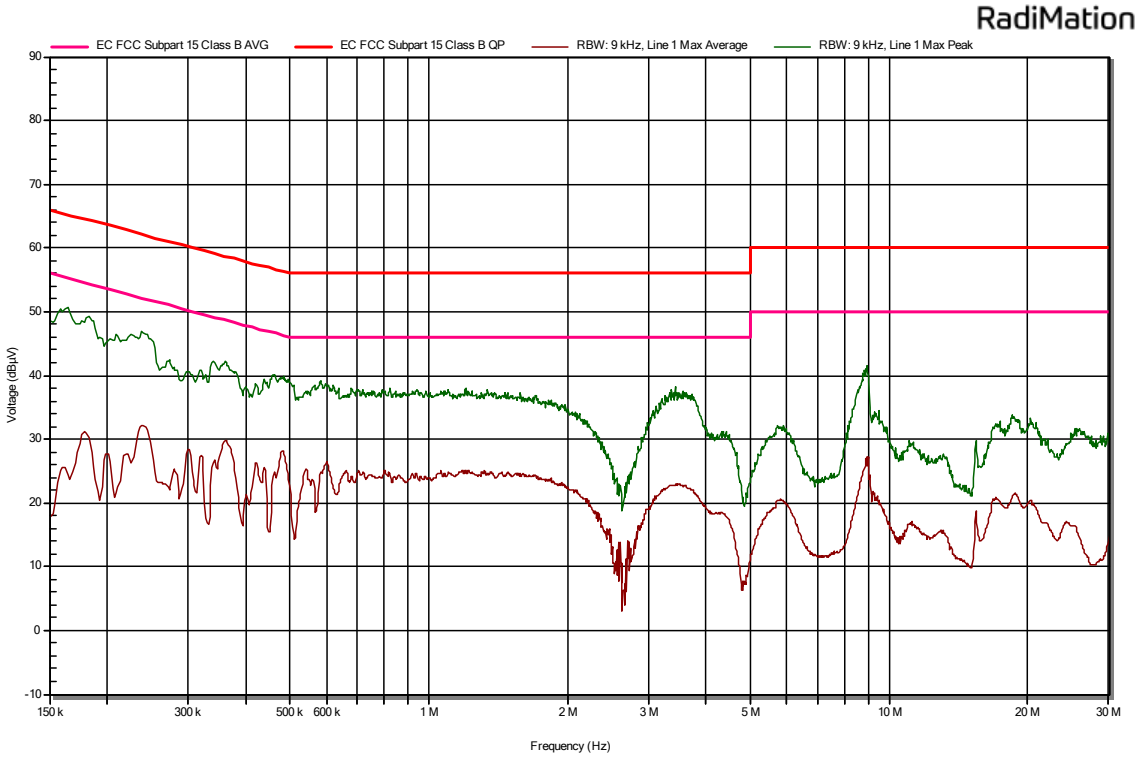
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,171	29,8	47,9	Neutral

EMC Test Code = CE0113L1, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = L1

Sample ID: S/01

Operation Mode: OM/13. EUT ON. MS in traffic mode. LTE Cat. M1 Band 13. Power supply: 115Vac, 60Hz

Images:



Documents:

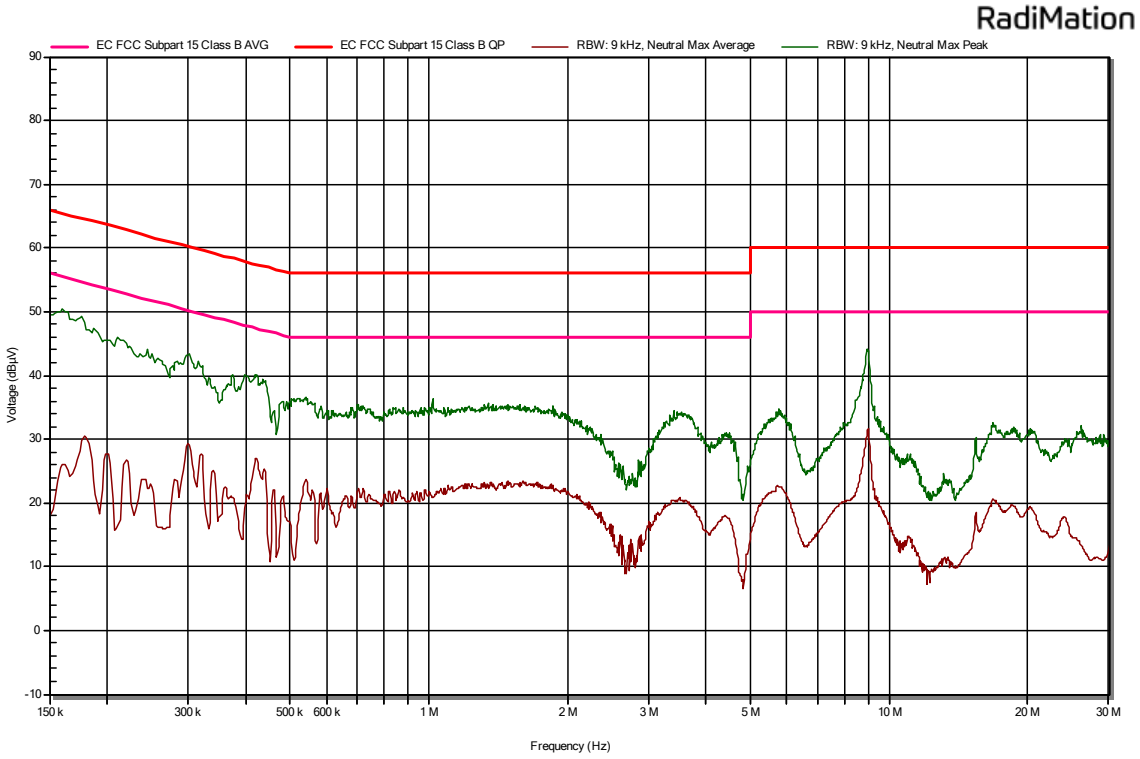
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,160	25,1	50,9	Line 1

EMC Test Code = CE01140N, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = N

Sample ID: S/01

Operation Mode: OM/14. EUT ON. MS in traffic mode. LTE Cat. M1 Band 25. Power supply: 115Vac, 60Hz

Images:



Documents:

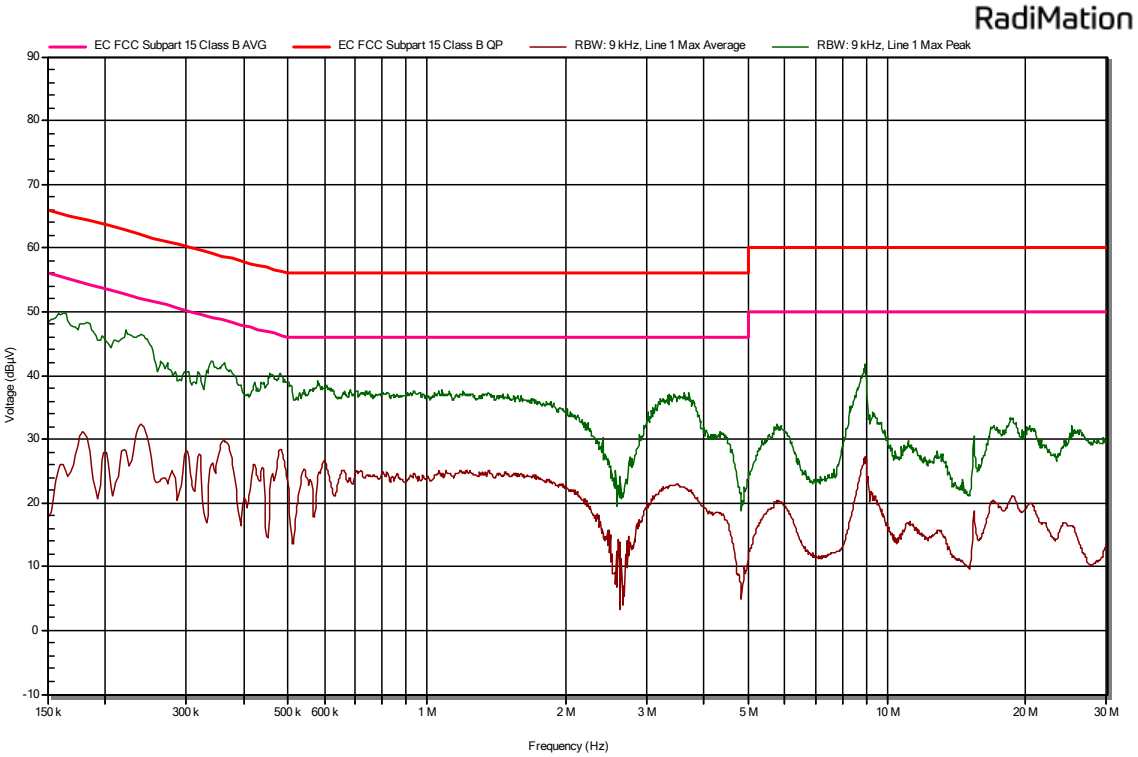
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,154	23,3	50,04	Neutral

EMC Test Code = CE0114L1, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = L1

Sample ID: S/01

Operation Mode: OM/14. EUT ON. MS in traffic mode. LTE Cat. M1 Band 25. Power supply: 115Vac, 60Hz

Images:



Documents:

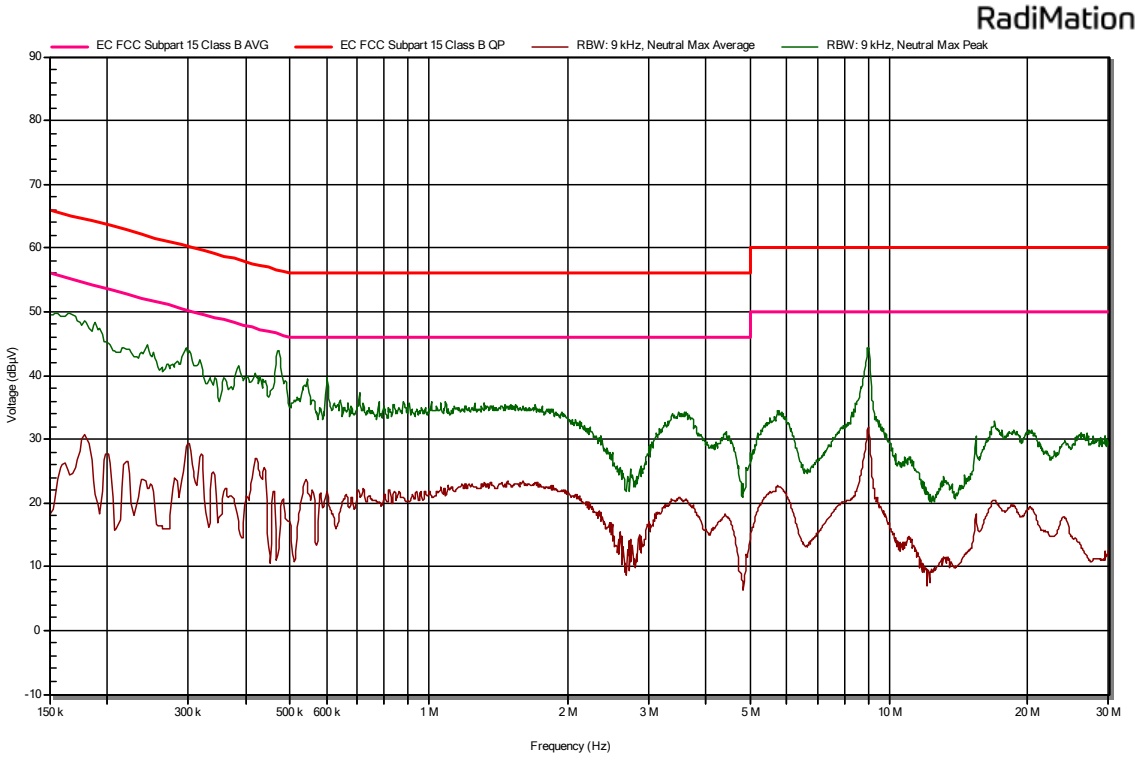
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,238	31,9	46,4	Line 1

EMC Test Code = CE01150N, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = N

Sample ID: S/01

Operation Mode: OM/15. EUT ON. MS in traffic mode. LTE Cat. M1 Band 26. Power supply: 115Vac, 60Hz

Images:



Documents:

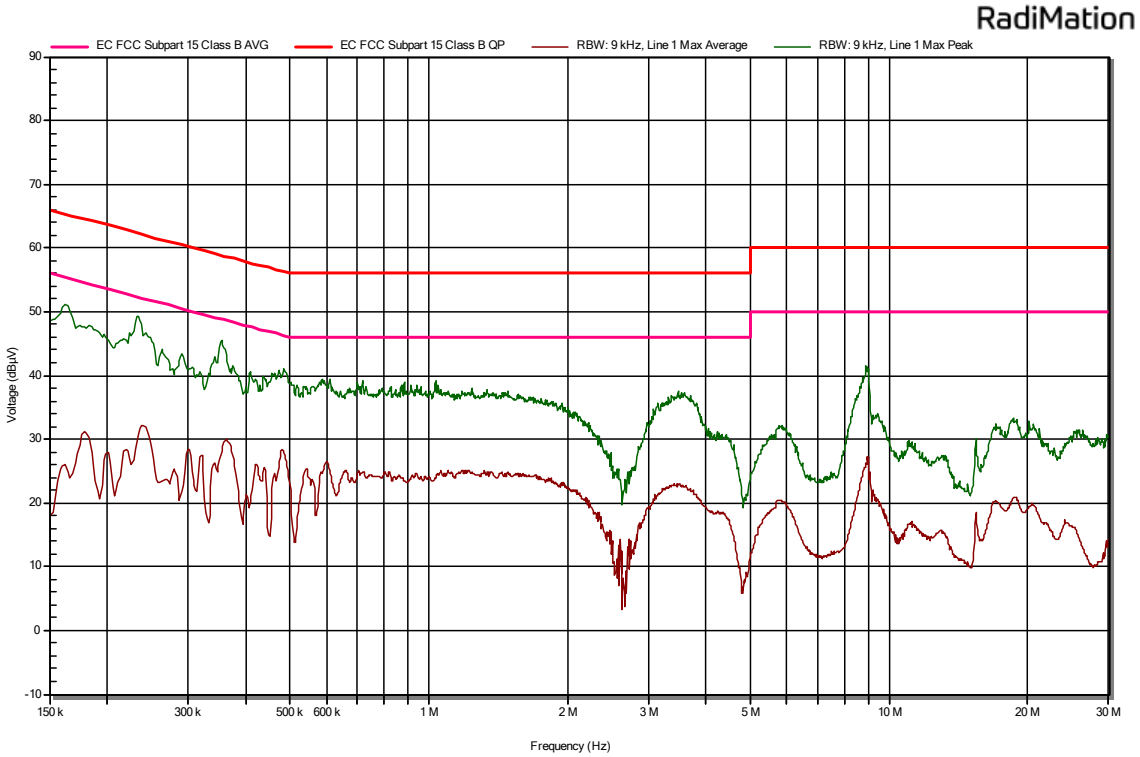
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,467	13,2	43,7	Neutral

EMC Test Code = CE0115L1, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = L1

Sample ID: S/01

Operation Mode: OM/15. EUT ON. MS in traffic mode. LTE Cat. M1 Band 26. Power supply: 115Vac, 60Hz

Images:



Documents:

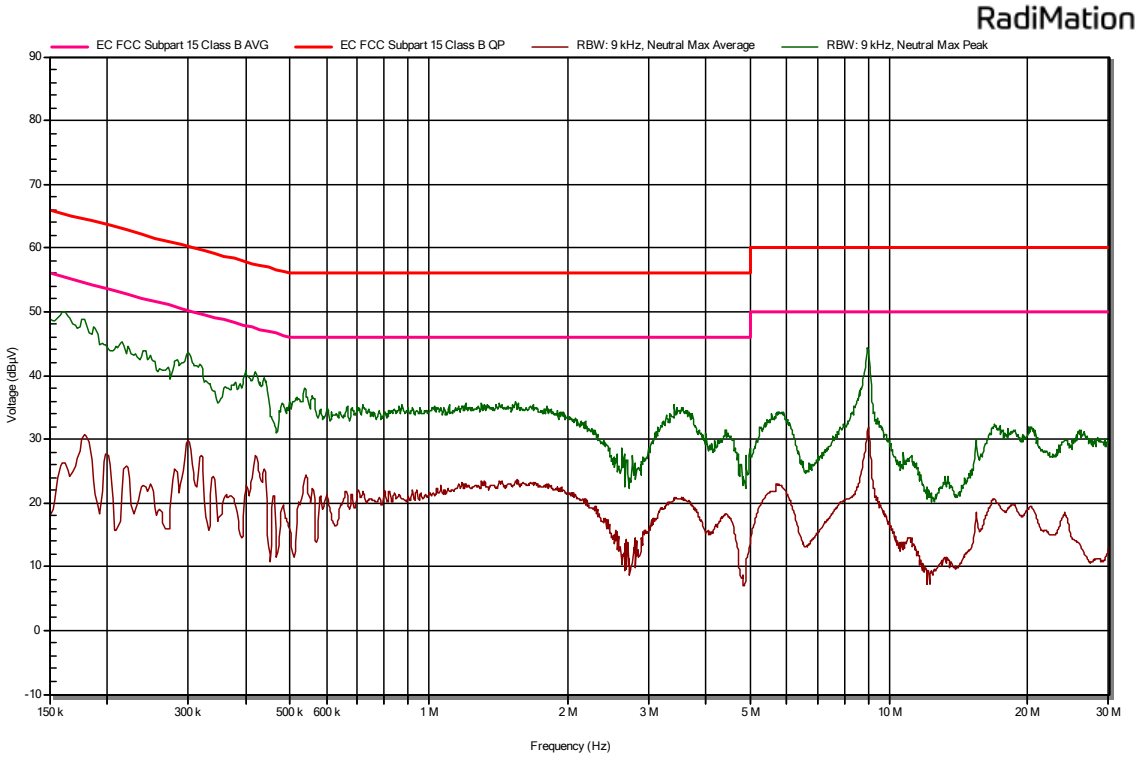
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,229	31,72	48,9	Line 1

EMC Test Code = CE01160N, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = N

Sample ID: S/01

Operation Mode: OM/16. EUT ON. MS in traffic mode. LTE Cat. M1 Band 66. Power supply: 115Vac, 60Hz.

Images:



Documents:

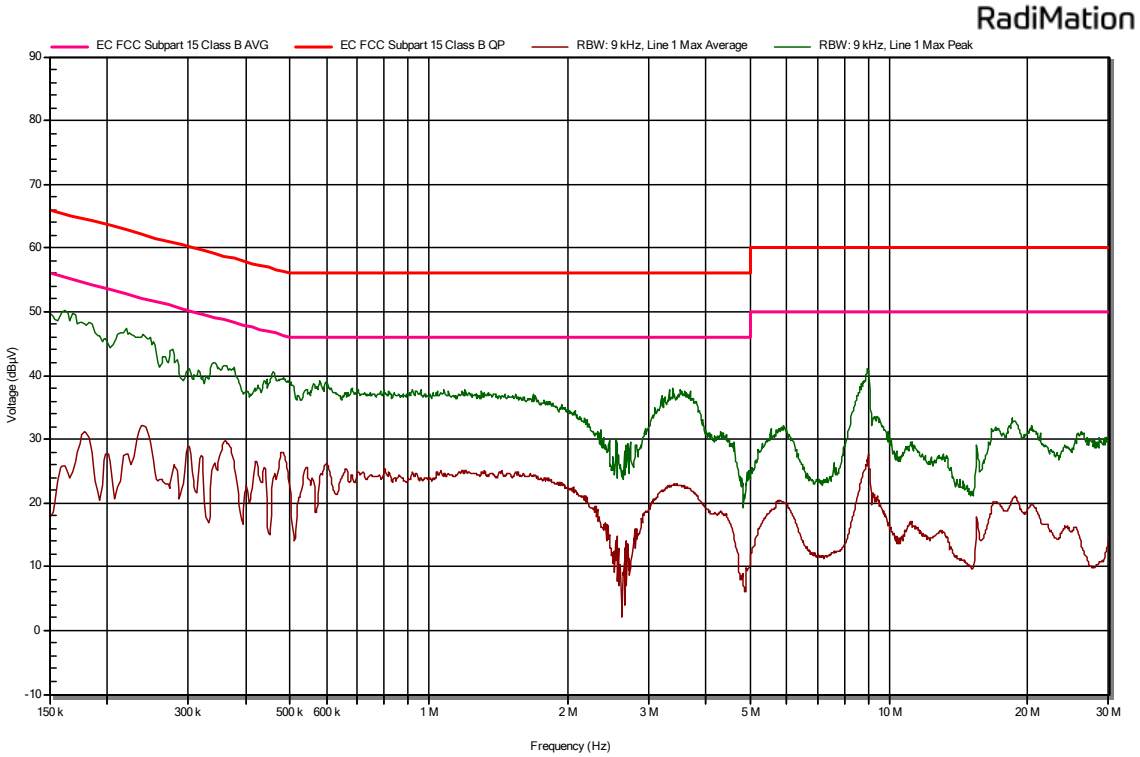
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,155	25,9	48,9	Neutral

EMC Test Code = CE0116L1, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = L1

Sample ID: S/01

Operation Mode: OM/16. EUT ON. MS in traffic mode. LTE Cat. M1 Band 66. Power supply: 115Vac, 60Hz.

Images:



Documents:

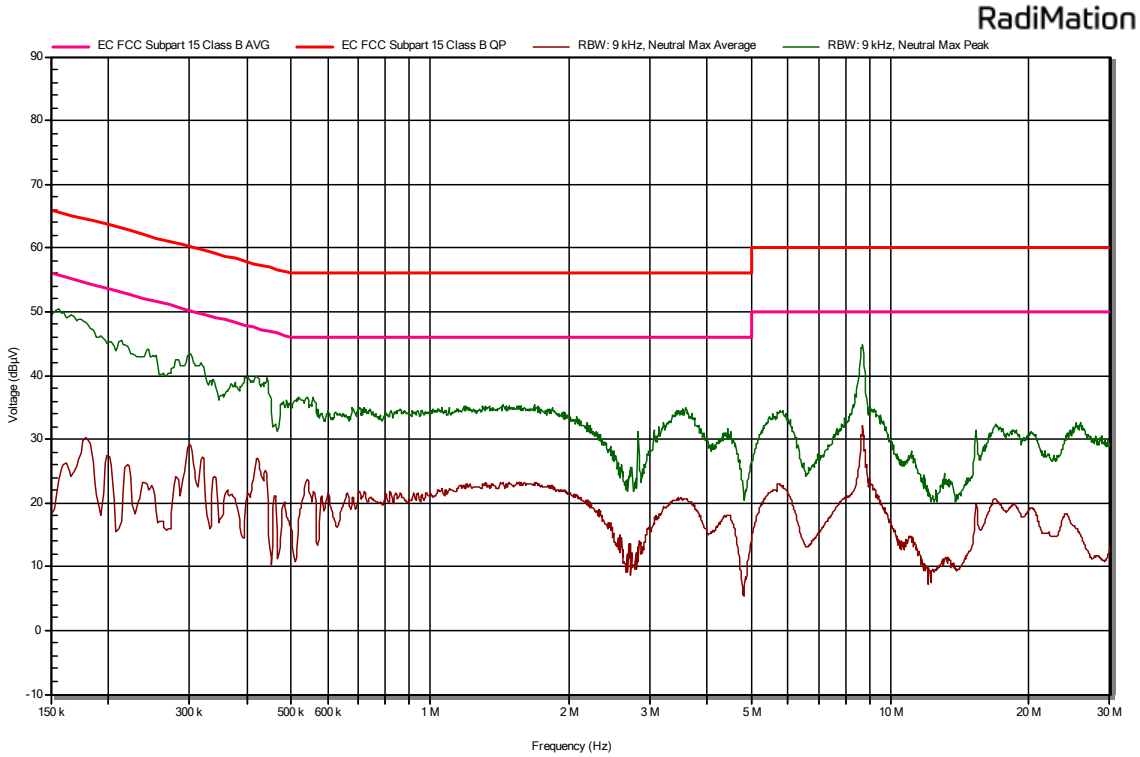
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,158	24,8	50,1	Line 1

EMC Test Code = CE01170N, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = N

Sample ID: S/01

Operation Mode: OM/17. EUT ON. Bluetooth OFF. Power supply: 115Vac, 60Hz.

Images:



Documents:

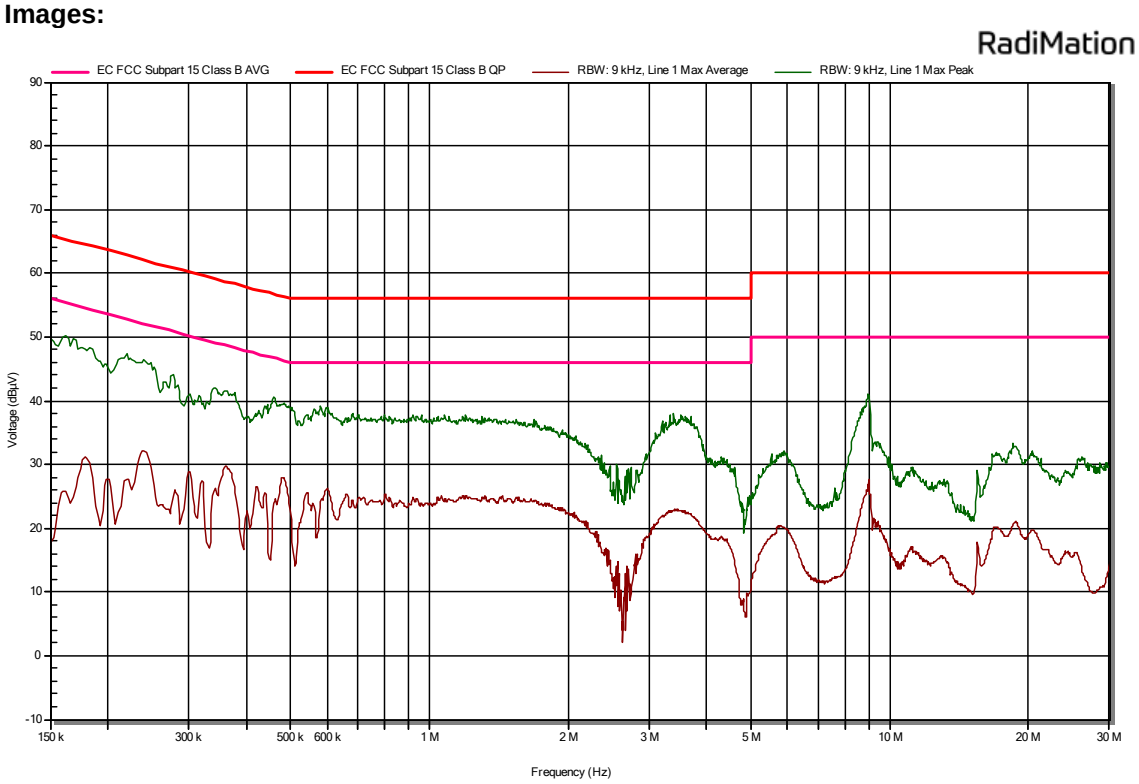
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
8,842	32,2	45,1	Neutral

EMC Test Code = CE0117L1, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = L1

Sample ID: S/01

Operation Mode: OM/17. EUT ON. Bluetooth OFF. Power supply: 115Vac, 60Hz.

Images:



Documents:

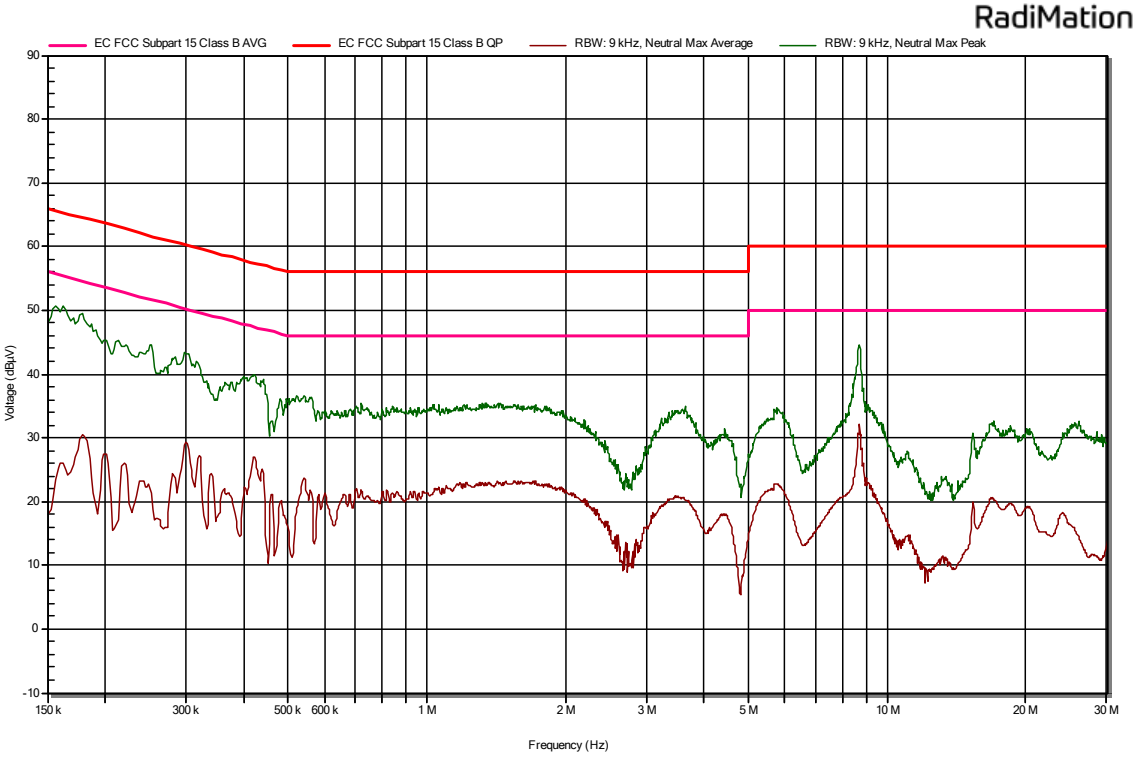
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,155	26,1	50,5	Line 1

EMC Test Code = CE01180N, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = N

Sample ID: S/01

Operation Mode: OM/18. EUT ON. Bluetooth in communication mode. Power supply: 115Vac, 60Hz.

Images:



Documents:

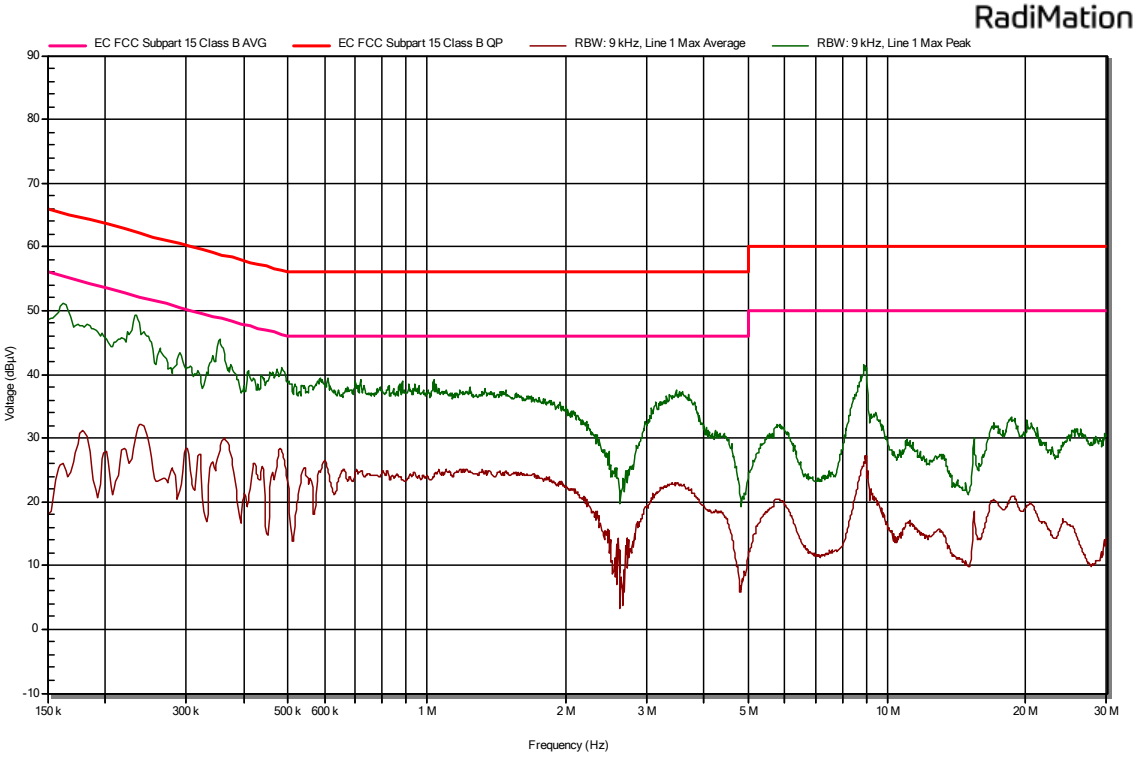
Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,182	29,1	50,2	Neutral

EMC Test Code = CE0118L1, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = L1

Sample ID: S/01

Operation Mode: OM/18. EUT ON. Bluetooth in communication mode. Power supply: 115Vac, 60Hz.

Images:



Documents:

Frequency (MHz)	Average (dBµV)	Peak (dBµV)	Line
0,236	32,1	48,9	Line 1