

ISED CABid: ES1909

Test report No:
NIE: 70923REM.002

Test report

**FCC Rules and Regulations CFR 47, Part 15, Subpart B
(10-1-20 Edition) & ICES-003 Issue 7 (October 2020)**

(*) Identification of item tested	Radio Anchor that localises transmitters
(*) Trademark	Inpixon nanoANQ Chirp V3
(*) Model and /or type reference	PN03ANQCS
Other identification of the product	--
(*) Features	FCC ID: SIFANQ03QCS IC: 7654A-ANQ03C HW version: 0387-20 Inpixon nanoANQ Chirp SW version: TDOAnchor-ver-2.0.14 Features: 2x Chirp 2.4g Rx/Tx RF Front End, USB and PoE
Manufacturer	Nanotron Technologies GmbH Alt Moabit 60a, 10555 Berlin, Germany
Test method requested, standard	FCC Rules and Regulations CFR 47, Part 15, Subpart B (10-1-20 Edition) & ICES-003 Issue 7 (October 2020)
Summary	IN COMPLIANCE
Approved by (name / position & signature)	José Manuel Gómez Industrial & Automotive EMC Lab. Manager
Date of issue	2022-10-05
Report template No	FDT08_24 (*) "Data provided by the client"



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Acronyms

Acronym ID	Acronym Description
Code	EMC Test Code
Freq Rng	Frequency Range
Line	Conducted Emissions - Tested Line
MP	Measurement Point
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.

DEKRA Testing and Certification S.A.U. is an FCC-recognized accredited testing laboratory with the appropriate scope of accreditation that covers the performed tests in this report, FCC designation number ES0004.

DEKRA Testing and Certification S.A.U. is an ISED recognized accredited testing laboratory, CABid: ES1909, with the appropriate scope of accreditation that covers the performed tests in this report.

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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.

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

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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 $I = \pm 3,9$ dB for quasi-peak measurements, $I = \pm 3,2$ 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 6000 MHz is $I = \pm 4,7$ dB for quasi-peak measurements, $I = \pm 4,3$ dB for peak 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")

The sample consists of a Radio Anchor that localizes transmitters. Anchor for receiving blinks in a radio network that localizes tags using a real time localization system in an area.

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.

Usage of samples

Samples under test have been selected by: The client.

Id	Control Number	Description	Model	Serial N°	Date of Reception	Application
S/01	70923_25.1	Module	nanoANQ V3 ETH (DUT)	2	2022-05-03	Element Under Test
	70923_30.1	Ethernet Cable	--	--	2022-05-03	Auxiliary Element
	70923_37.1	POE Router	FS108P	2HK1253P51390	2022-05-03	Auxiliary Element
	70923_38.1	Power Supply	NU60-F480125-I1NN	261211181102900742	2022-05-03	Auxiliary Element
	70923_39.1	Power Cable (EU)	--	--	2022-05-03	Auxiliary Element
S/03	70923_24.1	Module	nanoANQ V3 ETH (DUT)	6	2022-05-03	Element Under Test
	70923_33.1	USB-micro Cable	--	--	2022-05-03	Auxiliary Element
	70923_35.1	USB-micro Cable	--	--	2022-05-03	Auxiliary Element
	70923_37.1	POE Router	FS108P	2HK1253P51390	2022-05-03	Auxiliary Element
	70923_38.1	Power Supply	NU60-F480125-I1NN	261211181102900742	2022-05-03	Auxiliary Element
	70923_39.1	Power Cable (EU)	--	--	2022-05-03	Auxiliary Element
	70923_42.1	Companion Device	--	--	2022-05-03	Auxiliary Element
	70923_43.1	Antenna	--	--	2022-05-03	Auxiliary Element
S/04	70923_24.1	Module	nanoANQ V3 ETH (DUT)	6	2022-05-03	Element Under Test
	70923_33.1	USB-micro Cable	--	--	2022-05-03	Auxiliary Element
	70923_35.1	USB-micro Cable	--	--	2022-05-03	Auxiliary Element
	70923_42.1	Companion Device	--	--	2022-05-03	Auxiliary Element
	70923_43.1	Antenna	--	--	2022-05-03	Auxiliary Element
	CTC-4667-U	Laptop	Latitude 5300	1M1WFW2	-	Auxiliary Element
	-	AC/DC adapter for laptop	LA65MM130	0G4X7T	-	Auxiliary Element

Test sample description

Ports..... :	Port name and description		Cable				
			Specified max length [m]	Attached during test	Shielded	Coupled to patient	
	PoE Ethernet		.....	[X]	[]	[]	
	USB Connection		.....	[X]	[]	[]	
Supplementary information to the ports..... :	.....						
Rated power supply	Voltage and Frequency		Reference poles				
			L1	L2	L3	N	PE
	[]	AC:	[]	[]	[]	[]	[]
	[X]	DC: 48v/ PoE					
	[X]	DC: 5v USB					
Rated Power	5W on PoE						
Clock frequencies.....	32 MHz, 32.768 kHz						
Other parameters .....	.....						
Software version	TDOAAAnchor-ver-2.0.14						
Hardware version	0387-20 Inpixon nanoANQ Chirp						
Dimensions in cm (W x H x D)	196.3x145.5x34.3						
Mounting position	[]	Table top equipment					
	[X]	Wall/Ceiling mounted equipment					
	[]	Floor standing equipment					
	[]	Hand-held equipment					
	[]	Other:					
Modules/parts..... :	Module/parts of test item		Type		Manufacturer		
							
Accessories (not part of the test item)	Description		Type		Manufacturer		
							
Documents as provided by the applicant..... :	Description		File name		Issue date		
	User Guide		.....		.....		
	Schematic and PCB Layout		.....		.....		
	Battery/PCB certificates		.....		.....		
	Housing Documentation		.....		.....		

Identification of the client

Nanotron Technologies GmbH
Alt Moabit 60a, 10555 Berlin, Germany

Testing period and place

Test Location	DEKRA Testing and Certification S.A.U.
Date (start)	2022-05-10
Date (finish)	2022-05-30

Document history

Report number	Date	Description
70923REM.002	2022-10-05	First release

Environmental conditions

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

Temperature	Min. = 15 °C Max. = 35 °C
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 °C Max. = 35 °C
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 °C Max. = 35 °C
Relative humidity	Min. = 30 % Max. = 60 %
Air pressure	Min. = 860mbar Max. = 1060mbar

Remarks and comments

The tests have been performed by the technical personnel: Antonio Manuel Sánchez Carrizo, Jia Hao Luo Chen and Victoria Olmedo Villalba.

Testing verdicts

Not applicable	N/A
Partial Passed	P*

List of equipment used during the test

Control No.	Equipment	Model	Manufacturer	Next Calibration
7817	EMI TEST RECEIVER 2Hz-44GHz	ESW44	ROHDE AND SCHWARZ	2023-12-30
7763	HORN ANTENNA 1-18GHz	BBHA 9120D	SCHWARZBECK MESS-ELEKTRONIK	2022-11-15
7769	PREAMPLIFIER 30dB 500MHz-18GHz	BBV 9718 C	SCHWARZBECK	2023-03-25
8130	SEMIANECHOIC ABSORBER LINED CHAMBER	P29419	ALBATROSS	--
8134	SHIELDED ROOM	P29419	ALBATROSS PROJECTS GMBH	--
4848	SOFTWARE FOR EMC/RF TESTING	EMC32	ROHDE AND SCHWARZ	--
7826	ULTRALOG ANTENNA 30MHz-6GHz	HL562E_UPG	ROHDE AND SCHWARZ	2022-10-15
7853	EMI RECEIVER 10Hz-30MHz	PMM 9010F	NARDA	2023-12-03
8165	GROUNDING PLANE LAB-3	-	-	-
7822	EMC Software	RADIMATION	DARE INSTRUMENTS	-

Summary

Test Specification.	Requirement – Test case	Verdict	Remark
FCC Rules and Regulations CFR 47, Part 15, Subpart B (10-1-20 Edition) & ICES-003 Issue 7 (October 2020)	RE Radiated emission. Electromagnetic field measure	Pass	
	CE Continuous conducted emission	Pass	(1)
<u>Supplementary information and remarks:</u> (1) Devices that include, or make provision for, the use of battery chargers which permit operating while charging, AC adaptors or battery eliminators or that connect to the AC power lines indirectly, obtaining their power through another device which is connected to the AC power lines, shall be tested to demonstrate compliance with the conducted limits.			

Appendix A: Test results

Appendix A content

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CE Continuous conducted emission.....19

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. Anchor device ON. Proprietary radio in Reception mode. Power supply: 48 Vdc via PoE + 5 Vdc via USB.
OM/02	EUT ON. Anchor device ON. Proprietary radio in Communication mode. Power supply: 48 Vdc via PoE + 5 Vdc via USB.

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 (10-1-20 Edition) & ICES-003 Issue 7 (October 2020)	ANSI C63.4 (2014)	RE Radiated emission.
	ANSI C63.4 (2014)	CE Continuous conducted emission

Test Cases Details

FCC 47 CFR Part 15B

RE Radiated emission. Electromagnetic field measure

Limits of interference Class B

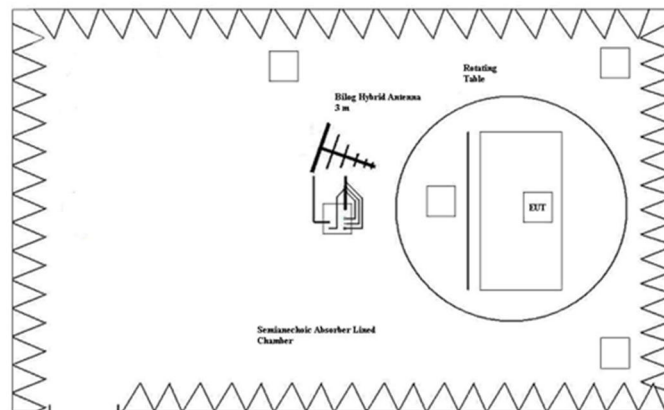
The applied limit for radiated emissions, 3 m distance, according to the requirements of FCC Rules and Regulations 47 CFR Part 15, Subpart B (10-1-19 Edition), Secs. 15.109 & ICES-003 Issue 7 (October 2020)

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
	(μ V/m)	(dB μ V/m)	(μ V/m)	(dB μ V/m)	(dB μ V/m)	(dB μ V/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

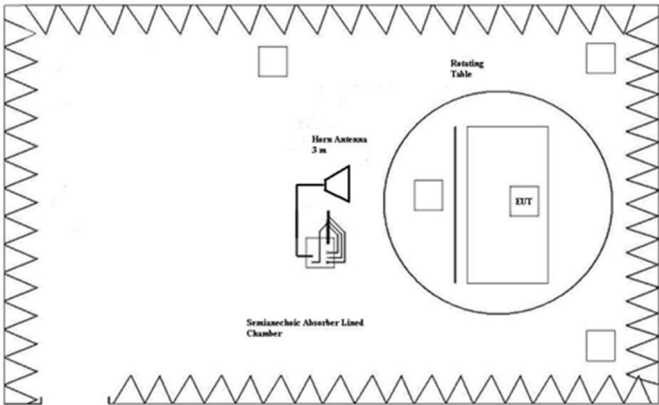
NOTE: FCC QP and AVG limits are in concordance with RSS-Gen Issue 5 (March 2019), Secs. 7.1 and 7.3.

Limits according to FCC Part 15B, are equal or 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/01	RE0101LR	[30, 1000]	P
01	OM/01	RE0101HR	[1000, 12750]	P

Verdict

Pass

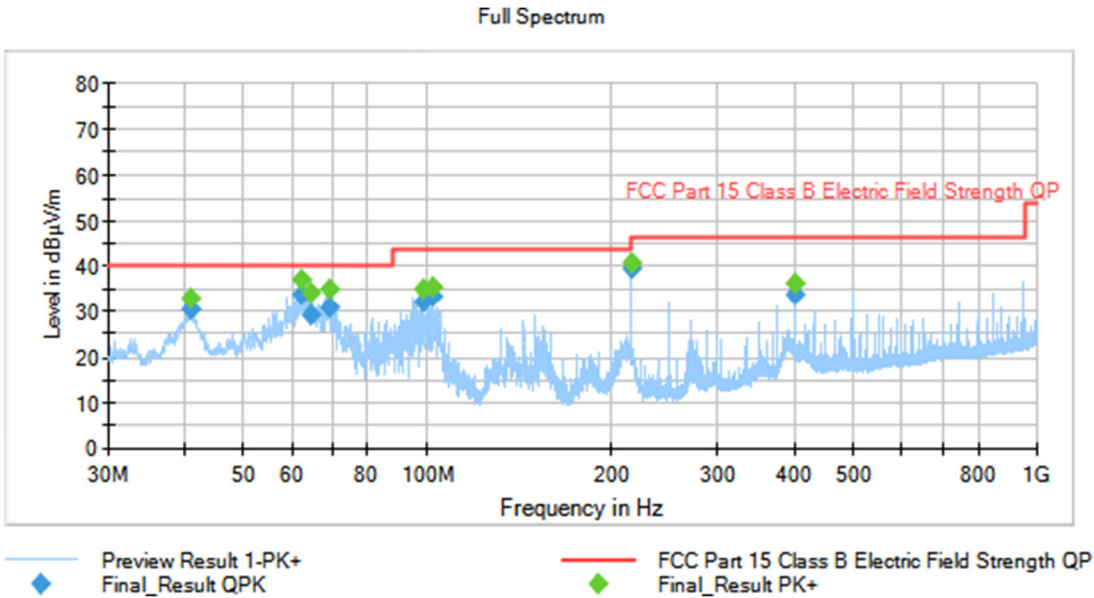
Attachments

EMC Test Code = RE0101LR, Frequency Range MHz = [30, 1000]

Sample ID: S/01

Operation Mode: OM/01. EUT ON. Anchor device ON. Proprietary radio in RX mode. Power supply: 48 Vdc via PoE + 5 Vdc via USB.

Images:



Tables:

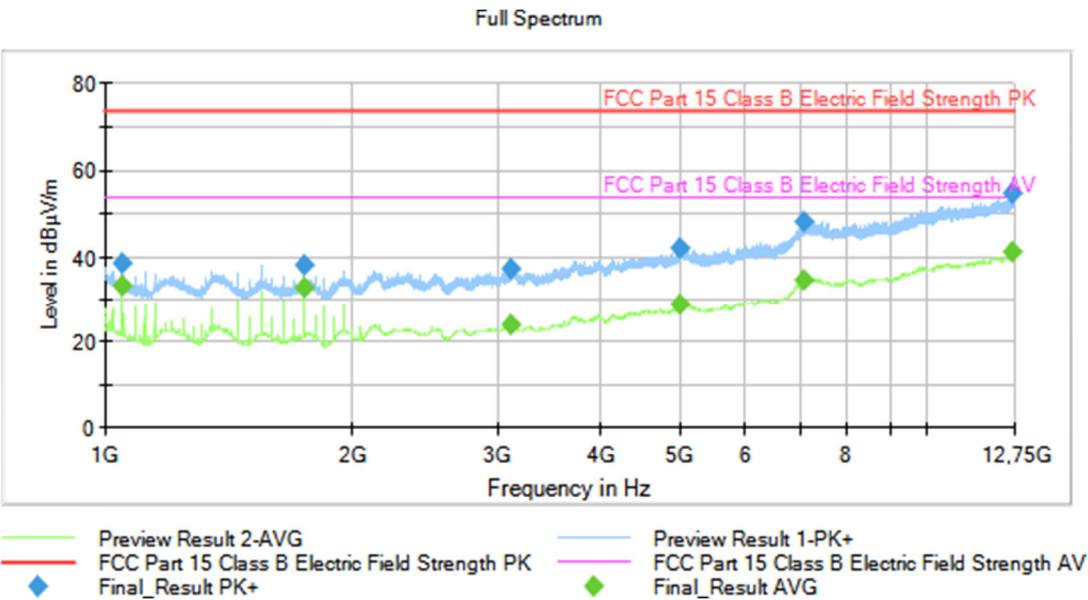
Frequency(MHz)	QuasiPeak(dBµV/m)	MaxPeak(dBµV/m)	Limit(dBµV/m)	Margin(dB)	Height(cm)	Pol	Azimuth(deg)
41.117000	---	33.18	---	---	100.0	V	213.0
41.117000	30.33	---	40.00	9.67	100.0	V	213.0
62.225000	---	36.92	---	---	127.0	V	341.0
62.225000	33.90	---	40.00	6.10	127.0	V	341.0
64.282000	---	34.41	---	---	120.0	V	234.0
64.282000	29.25	---	40.00	10.75	120.0	V	234.0
69.019000	---	34.97	---	---	137.0	V	189.0
69.019000	30.98	---	40.00	9.02	137.0	V	189.0
98.448000	32.25	---	43.52	11.27	107.0	V	125.0
98.448000	---	35.04	---	---	107.0	V	125.0
101.896000	33.33	---	43.52	10.19	107.0	V	338.0
101.896000	---	35.45	---	---	107.0	V	338.0
215.996000	39.45	---	43.52	4.07	100.0	V	332.0
215.996000	---	40.69	---	---	100.0	V	332.0
399.985000	33.93	---	46.00	12.07	140.0	V	339.0
399.985000	---	36.38	---	---	140.0	V	339.0

EMC Test Code = RE0101HR, Frequency Range MHz = [1000, 12750]

Sample ID: S/01

Operation Mode: OM/01. EUT ON. Anchor device ON. Proprietary radio in RX mode. Power supply: 48 Vdc via PoE + 5 Vdc via USB.

Images:



Tables:

Frequency(MHz)	MaxPeak(dBµV/m)	Average(dBµV/m)	Limit(dBµV/m)	Margin(dB)
1050.000000	---	33.14	53.97	20.83
1050.000000	38.41	---	73.97	35.56
1750.000000	38.18	---	73.97	35.79
1750.000000	---	32.94	53.97	21.03
3111.600000	37.22	---	73.97	36.75
3111.600000	---	24.26	53.97	29.71
5002.400000	---	28.77	53.97	25.20
5002.400000	41.95	---	73.97	32.03
7090.400000	---	34.75	53.97	19.22
7090.400000	48.05	---	73.97	25.92
12672.800000	54.60	---	73.97	19.37
12672.800000	---	41.08	53.97	12.89

CE Continuous conducted emission

Limits of interference Class B

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

Frequency range (MHz)	Limit (dBμV)	
	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
03	OM/01	CE03010N	[0.15, 30]	N (AC port in the POE adapter)	P
03	OM/01	CE0301L1	[0.15, 30]	L1 (AC port in the POE adapter)	P
03	OM/02	CE03020N	[0.15, 30]	N (AC port in the POE adapter)	P
03	OM/02	CE0302L1	[0.15, 30]	L1 (AC port in the POE adapter)	P
04	OM/01	CE04010N	[0.15, 30]	N (AC port in the Laptop adapter)	P
04	OM/01	CE0401L1	[0.15, 30]	L1 (AC port in the Laptop adapter)	P
04	OM/02	CE04020N	[0.15, 30]	N (AC port in the Laptop adapter)	P
04	OM/02	CE0402L1	[0.15, 30]	L1 (AC port in the Laptop adapter)	P

Verdict

Pass

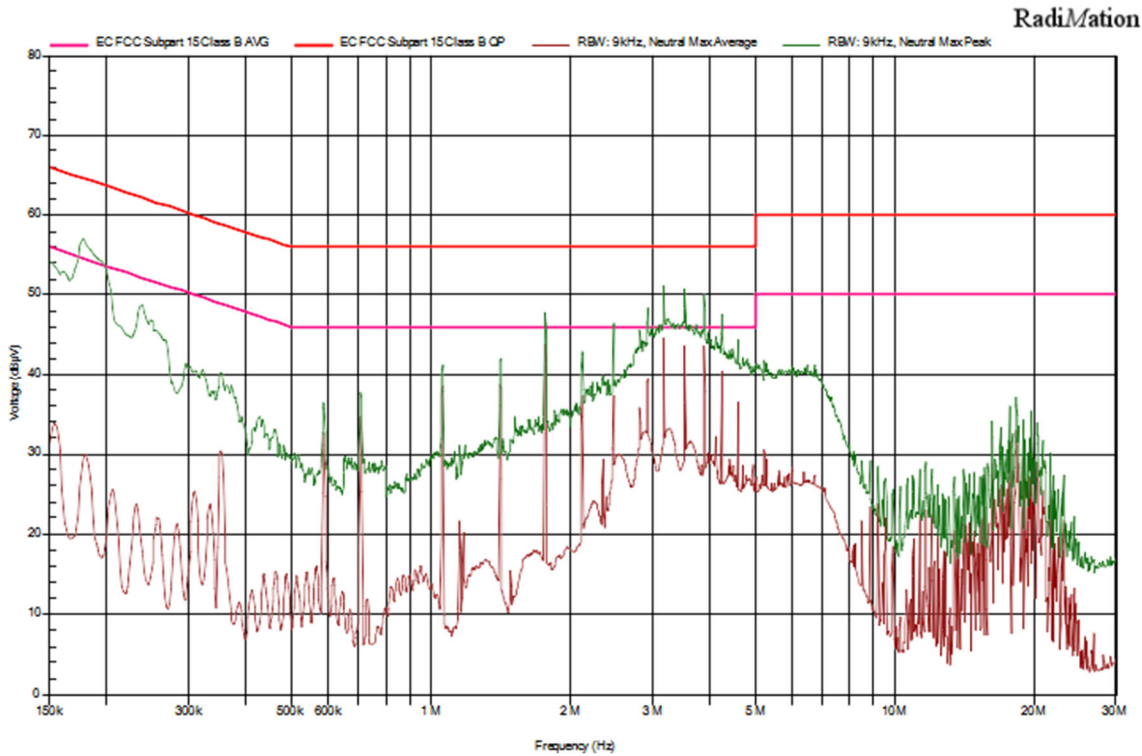
Attachments

EMC Test Code = CE03010N, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = N
(AC port in the POE adapter)

Sample ID: S/03

Operation Mode: OM/01. EUT ON. Anchor device ON. Proprietary radio in RX mode. Power supply: 48 Vdc via PoE + 5 Vdc via USB.

Images:



Tables:

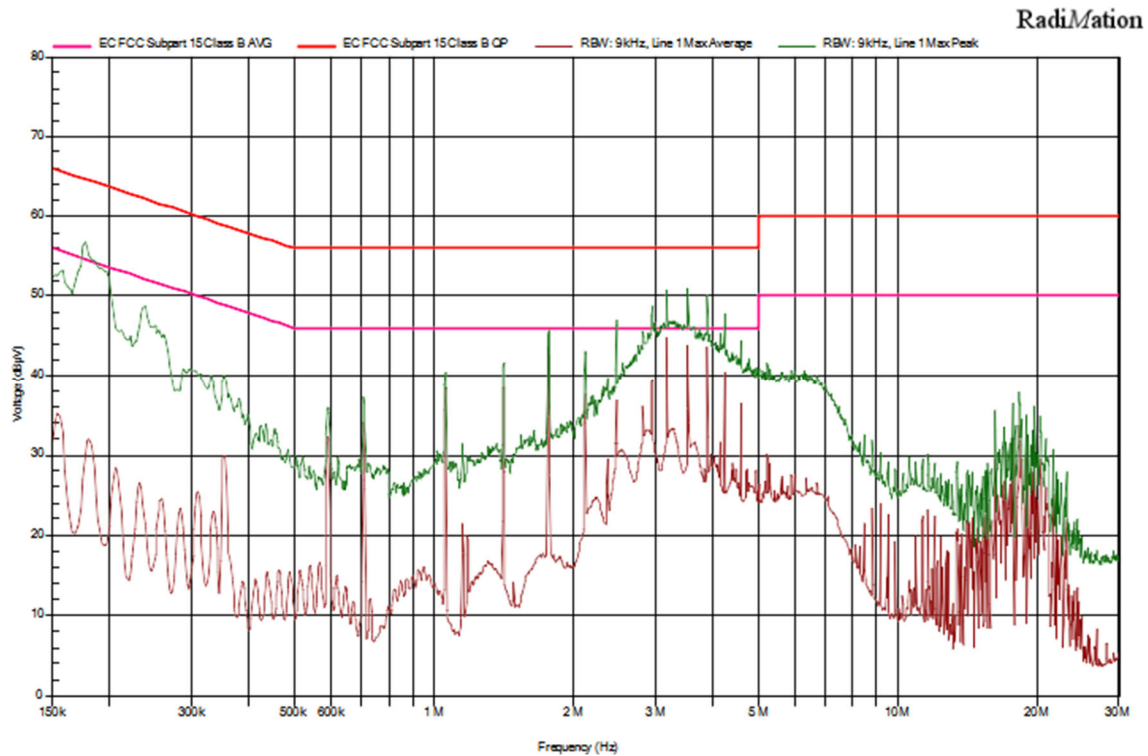
Frequency(MHz)	Average(dBµV)	Peak(dBµV)	Line
0,179 MHz	29,9 dBµV	57 dBµV	N
1,761 MHz	43,8 dBµV	47,7 dBµV	N
2,115 MHz	37,3 dBµV	42,5 dBµV	N
2,473 MHz	32,8 dBµV	46,4 dBµV	N
2,82 MHz	35,7 dBµV	45,6 dBµV	N
3,174 MHz	44,6 dBµV	51,3 dBµV	N
3,526 MHz	43,6 dBµV	50,7 dBµV	N
3,879 MHz	43,6 dBµV	49,9 dBµV	N
4,231 MHz	40,5 dBµV	47,2 dBµV	N
4,589 MHz	31 dBµV	44 dBµV	N

**EMC Test Code = CE0301L1, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = L1
(AC port in the POE adapter)**

Sample ID: S/03

Operation Mode: OM/01. EUT ON. Anchor device ON. Proprietary radio in RX mode. Power supply: 48 Vdc via PoE + 5 Vdc via USB.

Images:



Tables:

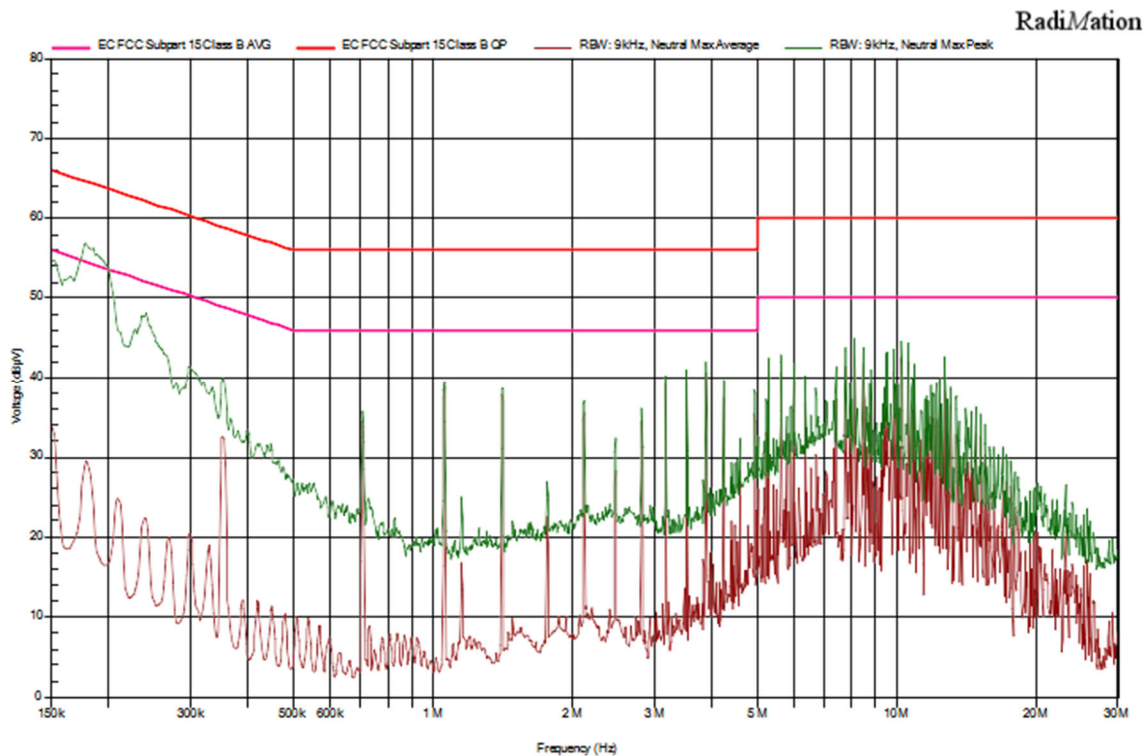
Frequency(MHz)	Average(dBµV)	Peak(dBµV)	Line
0,179 MHz	31,8 dBµV	56,1 dBµV	L1
1,765 MHz	42,5 dBµV	45,7 dBµV	L1
2,117 MHz	37,4 dBµV	42,8 dBµV	L1
2,471 MHz	35,6 dBµV	47 dBµV	L1
2,82 MHz	36,1 dBµV	45,6 dBµV	L1
3,172 MHz	44,8 dBµV	50,8 dBµV	L1
3,526 MHz	43,8 dBµV	50,7 dBµV	L1
3,877 MHz	43,7 dBµV	50 dBµV	L1
4,229 MHz	40,5 dBµV	47,8 dBµV	L1
4,585 MHz	35,8 dBµV	44,4 dBµV	L1

**EMC Test Code = CE03020N, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = N
(AC port in the POE adapter)**

Sample ID: S/03

Operation Mode: OM/02. EUT ON. Anchor device ON. Proprietary radio in TX mode. Power supply: 48 Vdc via PoE + 5 Vdc via USB.

Images:



Tables:

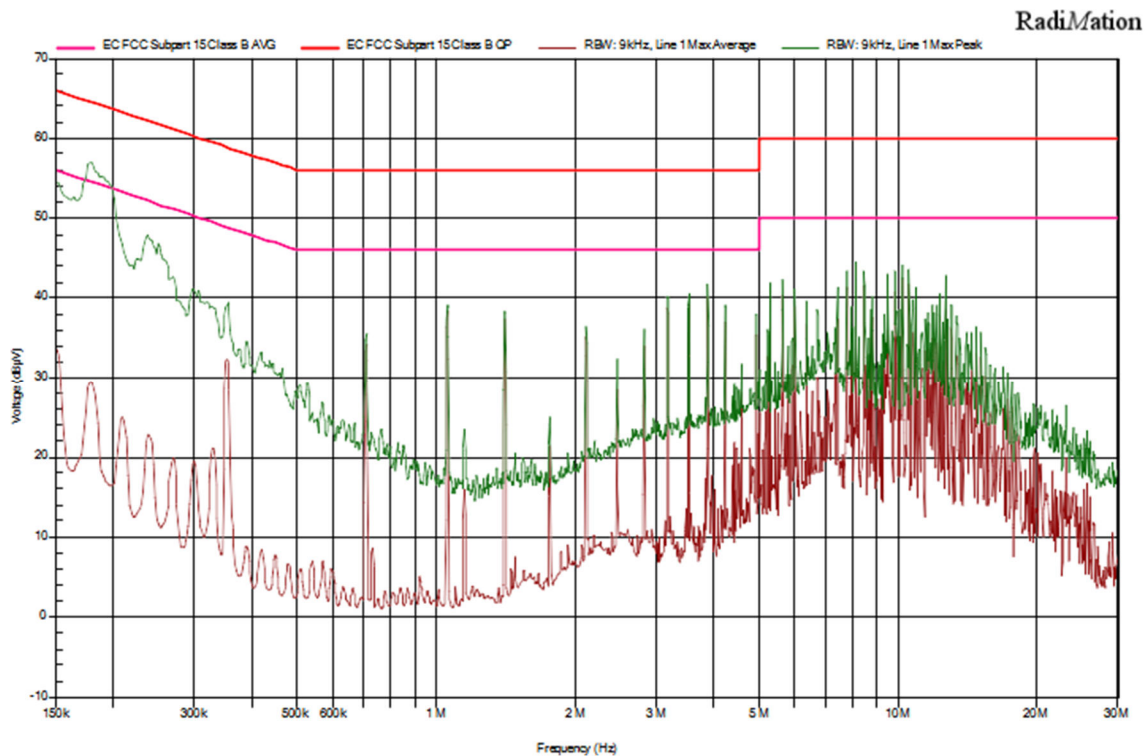
Frequency(MHz)	Average(dBµV)	Peak(dBµV)	Line
0,15 MHz	33,9 dBµV	54,6 dBµV	N
0,179 MHz	29,5 dBµV	56,8 dBµV	N
0,24 MHz	22,3 dBµV	48,2 dBµV	N
3,172 MHz	39 dBµV	40,3 dBµV	N
3,524 MHz	39,6 dBµV	40,7 dBµV	N
3,875 MHz	40,6 dBµV	41,7 dBµV	N
8,104 MHz	42,6 dBµV	45,1 dBµV	N
8,455 MHz	41,8 dBµV	43,8 dBµV	N
10,216 MHz	42,6 dBµV	44,7 dBµV	N
10,57 MHz	41,9 dBµV	44,4 dBµV	N

**EMC Test Code = CE0302L1, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = L1
(AC port in the POE adapter)**

Sample ID: S/03

Operation Mode: OM/02. EUT ON. Anchor device ON. Proprietary radio in TX mode. Power supply: 48 Vdc via PoE + 5 Vdc via USB.

Images:



Tables:

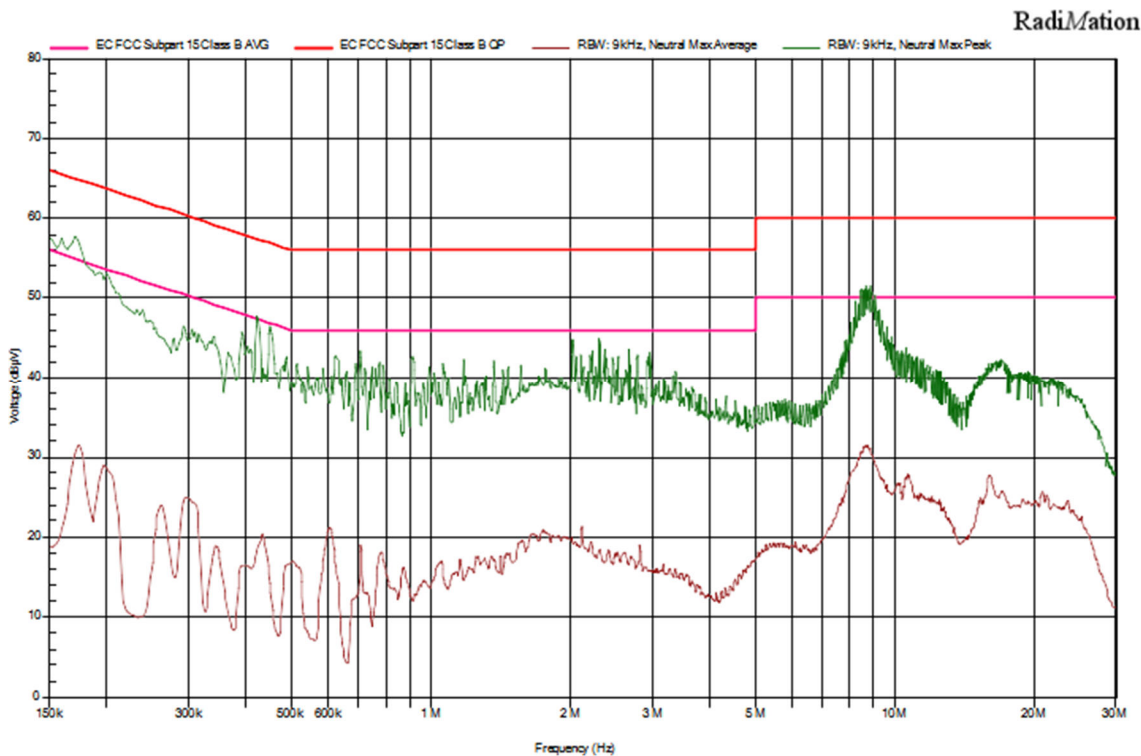
Frequency(MHz)	Average(dBµV)	Peak(dBµV)	Line
0,15 MHz	33,8 dBµV	54,5 dBµV	L1
0,181 MHz	29,3 dBµV	56,9 dBµV	L1
0,238 MHz	22,8 dBµV	47,9 dBµV	L1
3,172 MHz	38,8 dBµV	40 dBµV	L1
3,524 MHz	39,3 dBµV	40,6 dBµV	L1
3,875 MHz	40,1 dBµV	41,5 dBµV	L1
8,106 MHz	42,4 dBµV	44,6 dBµV	L1
8,458 MHz	41,6 dBµV	43,4 dBµV	L1
10,22 MHz	42,4 dBµV	44,1 dBµV	L1
10,572 MHz	41,8 dBµV	43,6 dBµV	L1

EMC Test Code = CE04010N, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = N
(AC port in the Laptop adapter)

Sample ID: S/04

Operation Mode: OM/01. EUT ON. Anchor device ON. Proprietary radio in RX mode. Power supply: 48 Vdc via PoE + 5 Vdc via USB.

Images:



Tables:

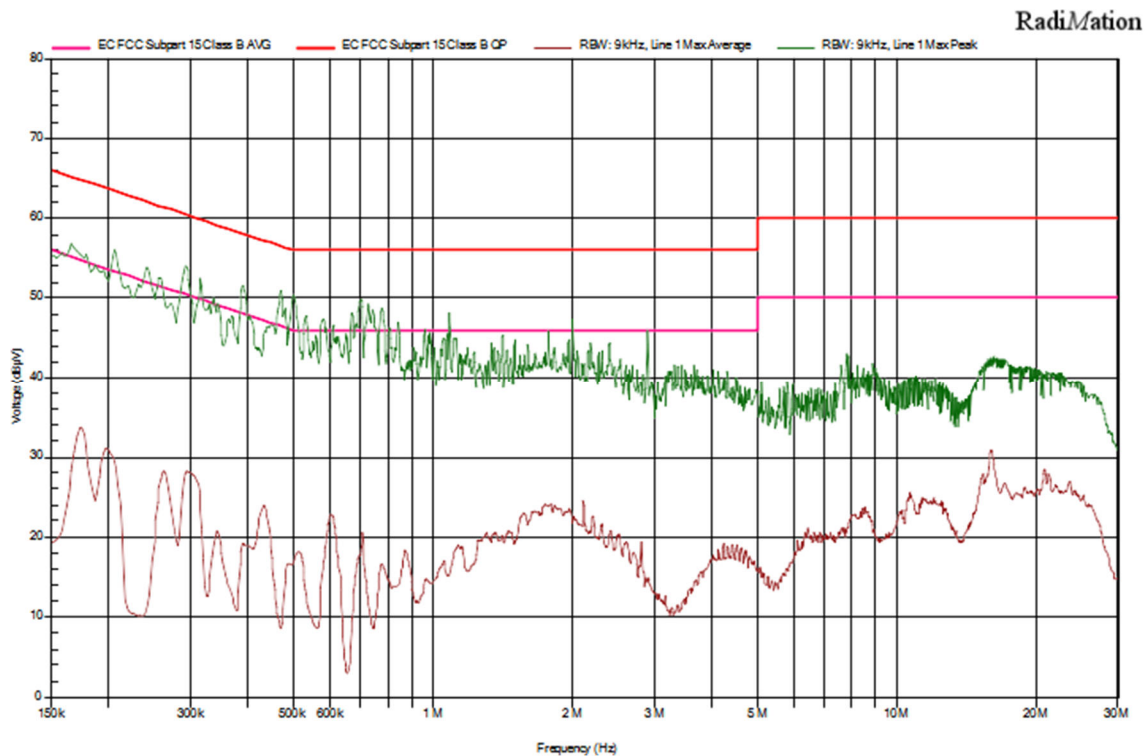
Frequency(MHz)	Average(dBµV)	Peak(dBµV)	Line
0,15 MHz	18,8 dBµV	57,5 dBµV	N
0,172 MHz	31,5 dBµV	57,2 dBµV	N
0,422 MHz	18,3 dBµV	47,8 dBµV	N
0,451 MHz	13,1 dBµV	46,3 dBµV	N
0,702 MHz	18,1 dBµV	43,5 dBµV	N
2,021 MHz	19,1 dBµV	43,5 dBµV	N
2,305 MHz	18,1 dBµV	45 dBµV	N
2,671 MHz	16,3 dBµV	43,7 dBµV	N
8,237 MHz	28,7 dBµV	49,7 dBµV	N
8,871 MHz	30,6 dBµV	51,6 dBµV	N

**EMC Test Code = CE0401L1, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = L1
(AC port in the Laptop adapter)**

Sample ID: S/04

Operation Mode: OM/01. EUT ON. Anchor device ON. Proprietary radio in RX mode. Power supply: 48 Vdc via PoE + 5 Vdc via USB.

Images:



Tables:

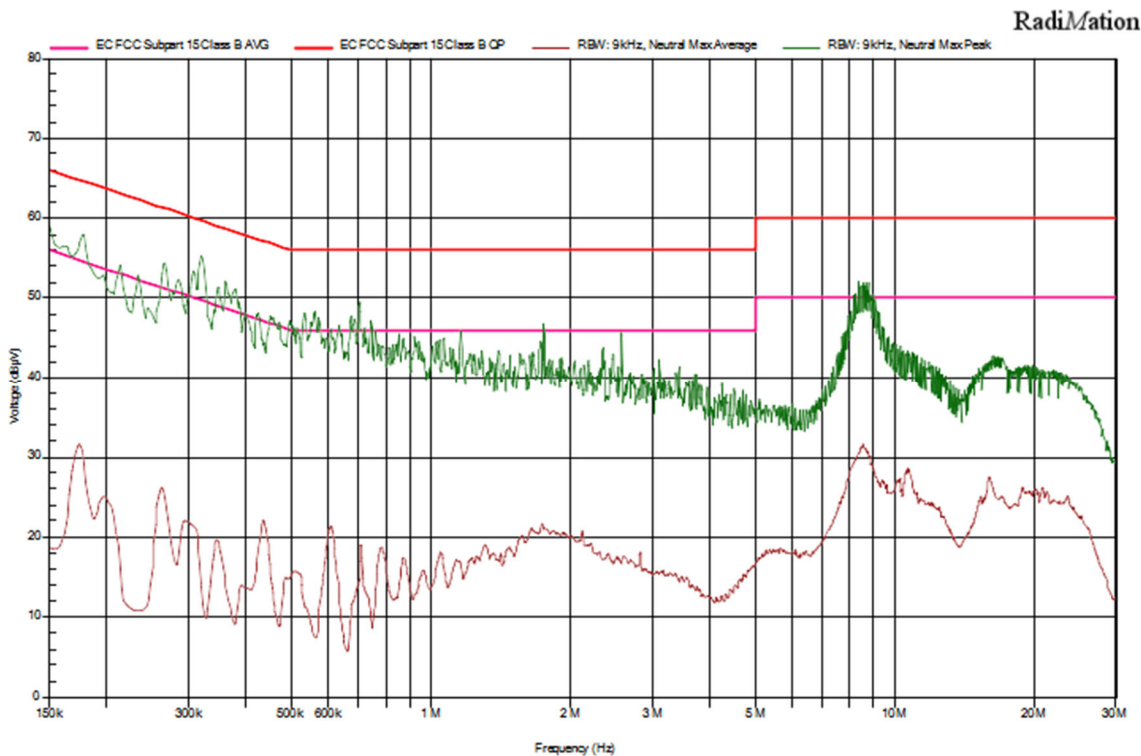
Frequency(MHz)	Average(dBµV)	Peak(dBµV)	Line
0,293 MHz	28,2 dBµV	54 dBµV	L1
0,389 MHz	19,2 dBµV	51,6 dBµV	L1
0,469 MHz	8,5 dBµV	50,9 dBµV	L1
0,5 MHz	16,9 dBµV	50,5 dBµV	L1
0,579 MHz	16,9 dBµV	47,4 dBµV	L1
0,696 MHz	17,8 dBµV	49,7 dBµV	L1
0,776 MHz	16,6 dBµV	48,7 dBµV	L1
0,839 MHz	13,9 dBµV	47,1 dBµV	L1
1,082 MHz	15,1 dBµV	47,7 dBµV	L1
1,996 MHz	21,8 dBµV	47,4 dBµV	L1

EMC Test Code = CE04020N, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = N
(AC port in the Laptop adapter)

Sample ID: S/04

Operation Mode: OM/02. EUT ON. Anchor device ON. Proprietary radio in TX mode. Power supply: 48 Vdc via PoE + 5 Vdc via USB.

Images:



Tables:

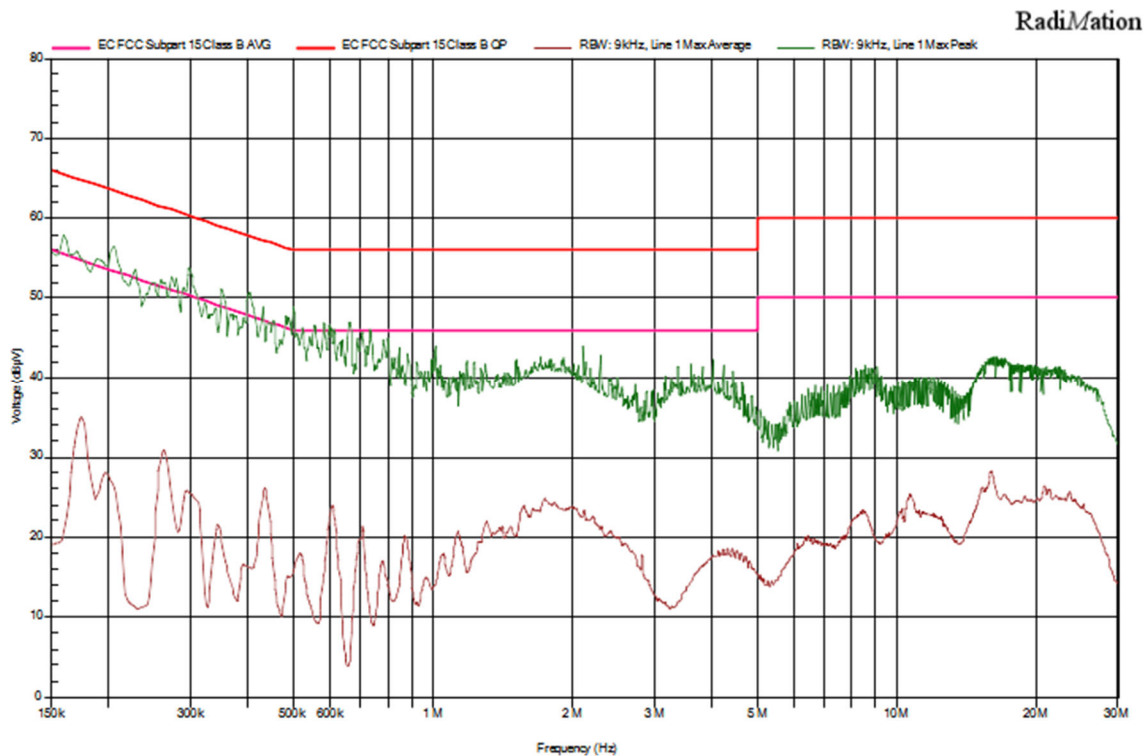
Frequency(MHz)	Average(dBµV)	Peak(dBµV)	Line
0,267 MHz	24,7 dBµV	54,4 dBµV	N
0,32 MHz	14,1 dBµV	55,3 dBµV	N
0,363 MHz	13 dBµV	51,8 dBµV	N
0,455 MHz	13,1 dBµV	47,6 dBµV	N
0,5 MHz	15,3 dBµV	46,9 dBµV	N
0,559 MHz	7,6 dBµV	48,2 dBµV	N
0,7 MHz	14,8 dBµV	49,5 dBµV	N
1,751 MHz	21 dBµV	46,9 dBµV	N
8,343 MHz	30,6 dBµV	51,8 dBµV	N
8,662 MHz	30,2 dBµV	51,9 dBµV	N

**EMC Test Code = CE0402L1, Frequency Range MHz = [0.15, 30], Conducted Emissions - Tested Line = L1
(AC port in the Laptop adapter)**

Sample ID: S/04

Operation Mode: OM/02. EUT ON. Anchor device ON. Proprietary radio in TX mode. Power supply: 48 Vdc via PoE + 5 Vdc via USB.

Images:



Tables:

Frequency(MHz)	Average(dBµV)	Peak(dBµV)	Line
0,16 MHz	20,5 dBµV	57,9 dBµV	L1
0,262 MHz	30,8 dBµV	51,9 dBµV	L1
0,297 MHz	25,6 dBµV	53,8 dBµV	L1
0,404 MHz	16,2 dBµV	50,8 dBµV	L1
0,498 MHz	15,4 dBµV	48,2 dBµV	L1
0,581 MHz	15,6 dBµV	46,8 dBµV	L1
0,659 MHz	4,5 dBµV	47,1 dBµV	L1
0,733 MHz	9,9 dBµV	45,8 dBµV	L1
0,782 MHz	16,5 dBµV	44,2 dBµV	L1
1,011 MHz	14 dBµV	44 dBµV	L1