

EMC TEST REPORT

FCC 47 CFR Part 15B
Industry Canada RSS-Gen

Electromagnetic compatibility - Unintentional radiators

Report Reference No. : G0M-1106-1223 – C-2

Testing Laboratory : Eurofins Product Service GmbH

Address : Storkower Str. 38c
15526 Reichenwalde
Germany

Accreditation : FCC Filed Test Laboratory, Reg.-No.: 96970
A2LA Accredited Testing Laboratory, Certificate No.: 1983.01



Applicant's name : Funkwerk Enterprise Communications GmbH

Address : Alt-Moabit 96c
10559 Berlin
Germany

Test specification:

Standard..... : 47 CFR Part 15 Subpart B
RSS-Gen, Issue 3, 2010-12
ANSI C63.4:2009

Equipment under test (EUT):

Product description : WLAN Access Point (2.4 GHz only)

Model No. : W1002n

Hardware version : -i

Firmware / Software version : 7.9. Rev. 6 Patch 7

FCC-ID: SPT-W1002N-080211 IC: N/A

Test result : **Passed**

Possible test case verdicts:

- not applicable to test object: N/A
- test object does meet the requirement.....: P (Pass)
- test object does not meet the requirement.....: F (Fail)

Testing:

Date of receipt of test item: 04.07.2011

Date (s) of performance of tests: 23. - 29.08.2011

Compiled by: Christian Weber

Tested by (+ signature): Matthias Handrik

Approved by (+ signature).....: Jens Zimmermann

Date of issue: 30.08.2011

Total number of pages: 31

Handrik

J. Zimmermann

General remarks:

The test results presented in this report relate only to the object tested.

The results contained in this report reflect the results for this particular model and serial number. It is the responsibility of the manufacturer to ensure that all production models meet the intent of the requirements detailed within this report.

This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.

Additional comments:

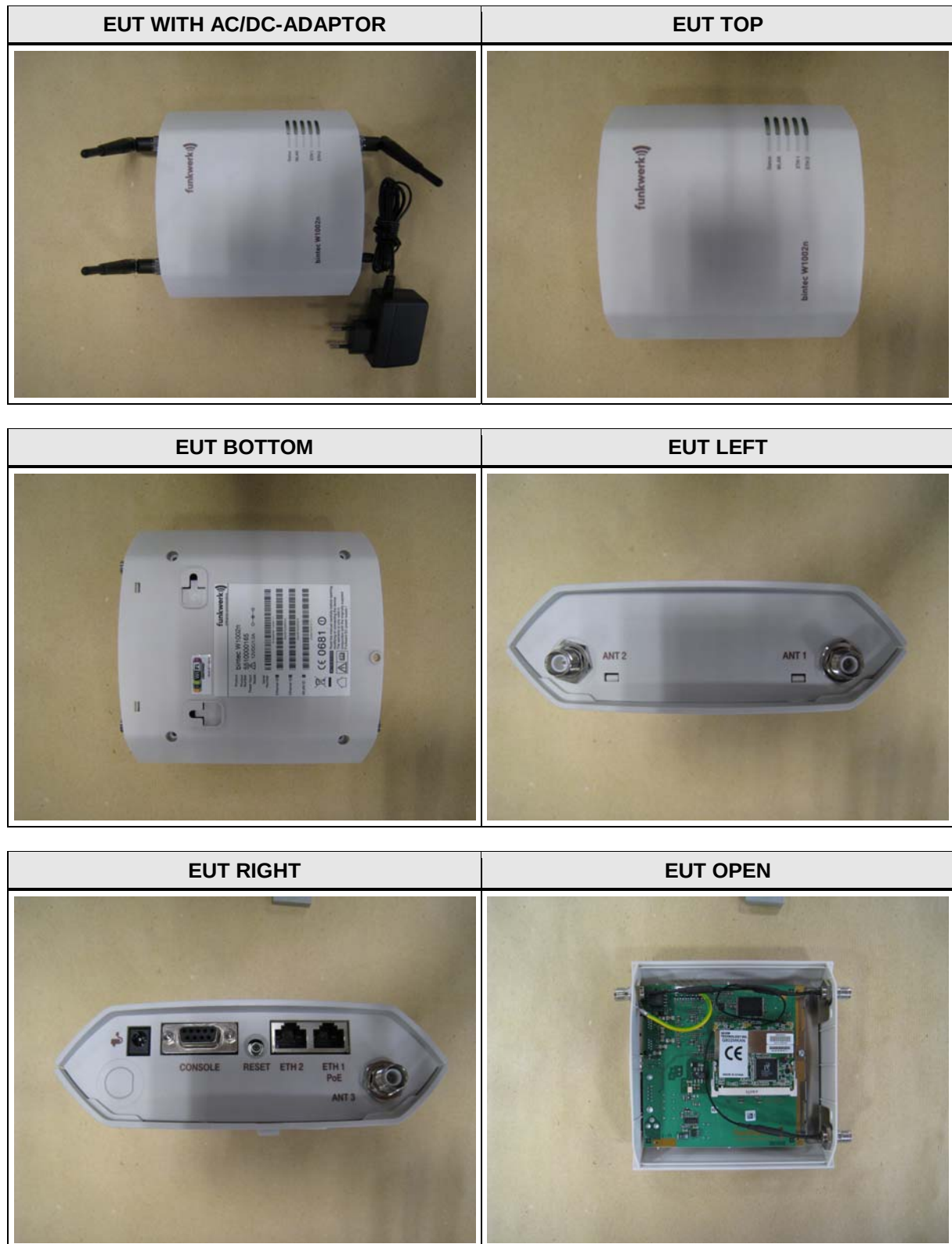
REPORT INDEX

1	EQUIPMENT (TEST ITEM) DESCRIPTION:	4
1.1	Equipment photos	5
1.2	Supporting Equipment Used During Testing:	7
1.3	Operating Modes:	8
1.4	Test Equipment Used During Testing	9
2	RESULT SUMMARY	10
3	TEST CONDITIONS AND RESULTS	11
3.1	Test Conditions and Results – Radiated emissions	11
3.2	Test Conditions and Results – AC power line conducted emissions	25

1 Equipment (Test item) Description:

Description	WLAN Access Point (2.4 GHz only)
Model	W1002n
Serial number	W1NABH011230111
Hardware version	-i
Software / Firmware version	7.9. Rev. 6 Patch 7
FCC-ID	SPT-W1002N-080211
IC	N/A
Power supply	120VAC
AC/DC-Adaptor	Model: DSA-15P-12, Manufacturer: DVE Input: 100-240VAC / 50-60Hz 0.5A, Output: 12VDC 1.25A
Highest emission frequency	500MHz - 1000MHz (up to 5GHz)
Device classification	Class B
Equipment type	Tabletop
Number of tested samples	1

1.1 Equipment photos



Test Report No.: G0M-1106-1223-C-2

Eurofins Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

EUT PCB TOP WITH RADIO MODULE



EUT PCB TOP WITHOUT RADIO MODULE



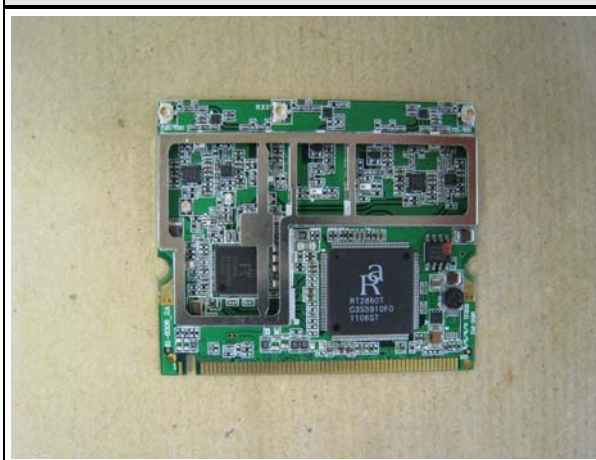
EUT RADIO MODULE TOP



EUT RADIO MODULE BOTTOM



EUT RADIO MODULE TOP WO SHIELDINGS



1.2 Supporting Equipment Used During Testing:

Product Type*	Device	Manufacturer	Model No.	Comments
AE	Laptop	Dell	D430	
AE	POE Adaptor	PowerDsine, Inc.	3001 GB	

***Note:** Use the following abbreviations:

AE : Auxiliary/Associated Equipment, or

SIM : Simulator (Not Subjected to Test)

CABL : Connecting cables

1.3 Operating Modes:

Mode #	Description
1	Active WLAN connection. Active LAN Ethernet connection. Ping commands from Laptop to EUT.

1.4 Test Equipment Used During Testing

Radiated emissions					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Biconical Antenna	R&S	HK 116	Inv. No. 0012	Jan 10	Jan 13
LPD-Antenne	R&S	HL 223	Inv. No. 0295	Feb 11	Feb 13
LPD-Antenna	R&S	HL 025	Inv. No. 0512	Feb 10	Feb 13
EMI Test Receiver	R&S	ESU8	Inv. No. 0567	Dec 10	Dec 11
EMI Test Receiver	R&S	ESCS30	Inv. No. 0474	Jun 11	Jun 12

Conducted emissions					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
AMN	R&S	ESH2-Z5	Inv. No. 0288	Sep 10	Sep 12
AMN	R&S	ESH3-Z5	Inv. No. 0040	Nov 10	Nov 12
EMI Test Receiver	R&S	ESCS 30	Inv. No. 0474	Jun 11	Jun 12

2 Result Summary

FCC 47 CFR Part 15B, Industry Canada RSS-Gen				
Product Specific Standard	Requirement – Test	Reference Method	Result	Remarks
47 CFR 15.109 RSS-Gen 4.9 & 4.10	Radiated emissions	ANSI C 63.4	PASS	
47 CFR 15.107 RSS-Gen 7.2.4	AC power line conducted emissions	ANSI C63.4	PASS	
Remarks:				

3 Test Conditions and Results

3.1 Test Conditions and Results – Radiated emissions

Radiated emissions acc. FCC 47 CFR 15.109 / IC RSS-Gen				Verdict: PASS	
Laboratory Parameters:		Required prior to the test		During the test	
Ambient Temperature		15 to 35°C		22°C	
Relative Humidity		30 to 60%		52%	
Test according referenced standards		Reference Method			
		ANSI C63.4			
Sample is tested with respect to the requirements of the equipment class		Equipment class			
		Class B			
Test frequency range determined from highest emission frequency		Highest emission frequency			
		500MHz - 1000MHz (up to 5GHz)			
Fully configured sample scanned over the following frequency range		Frequency range			
		30MHz to 5GHz			
Limits and results Class B					
Frequency [MHz]	Quasi-Peak [dBµV/m]	Result	Average [dBµV/m]		Result
30 – 88	40	PASS	-		-
88 – 216	43.5	PASS	-		-
216 – 960	46	PASS	-		-
960 – 1000	54	PASS	-		-
> 1000	-	-	54		PASS
Comments:					

Test setup

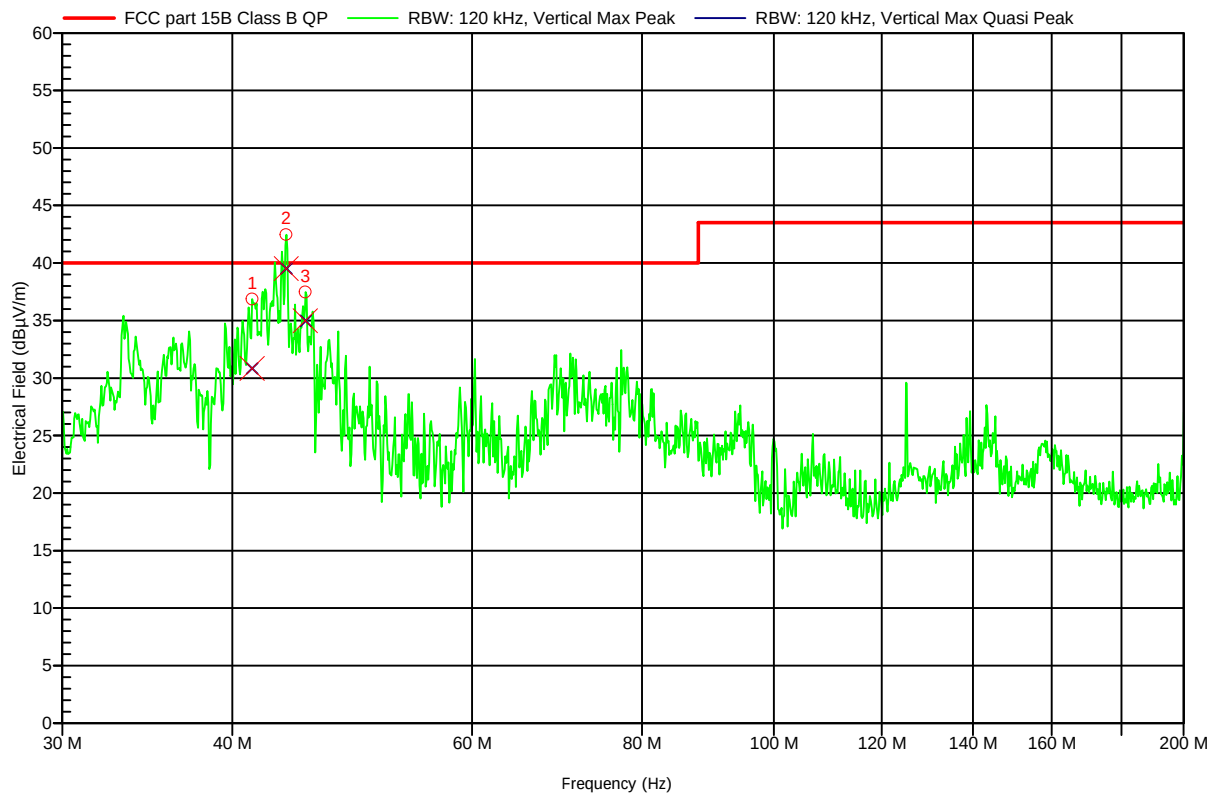


Spurious emissions under normal conditions according to FCC 15B

Order number: G0M-1106-1223

Manufacturer: Funkwerk Enterprise Communications GmbH
 EUT Name: WLAN Access Point
 Model: W1002n
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Unom: 120 V AC (AC/DC adaptor)
 Antenna: Rohde & Schwarz HK 116, Vertical
 Measurement distance: 3m
 Mode: active
 Test Date: 29.08.2011
 Note: PASS

Index 10



Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Status
41,376 MHz	30,84 dBµV/m	40 dBµV/m	-9,16 dB	Pass
43,824 MHz	39,53 dBµV/m	40 dBµV/m	-0,47 dB	Pass
45,264 MHz	34,98 dBµV/m	40 dBµV/m	-5,02 dB	Pass

Test Report No.: G0M-1106-1223-C-2

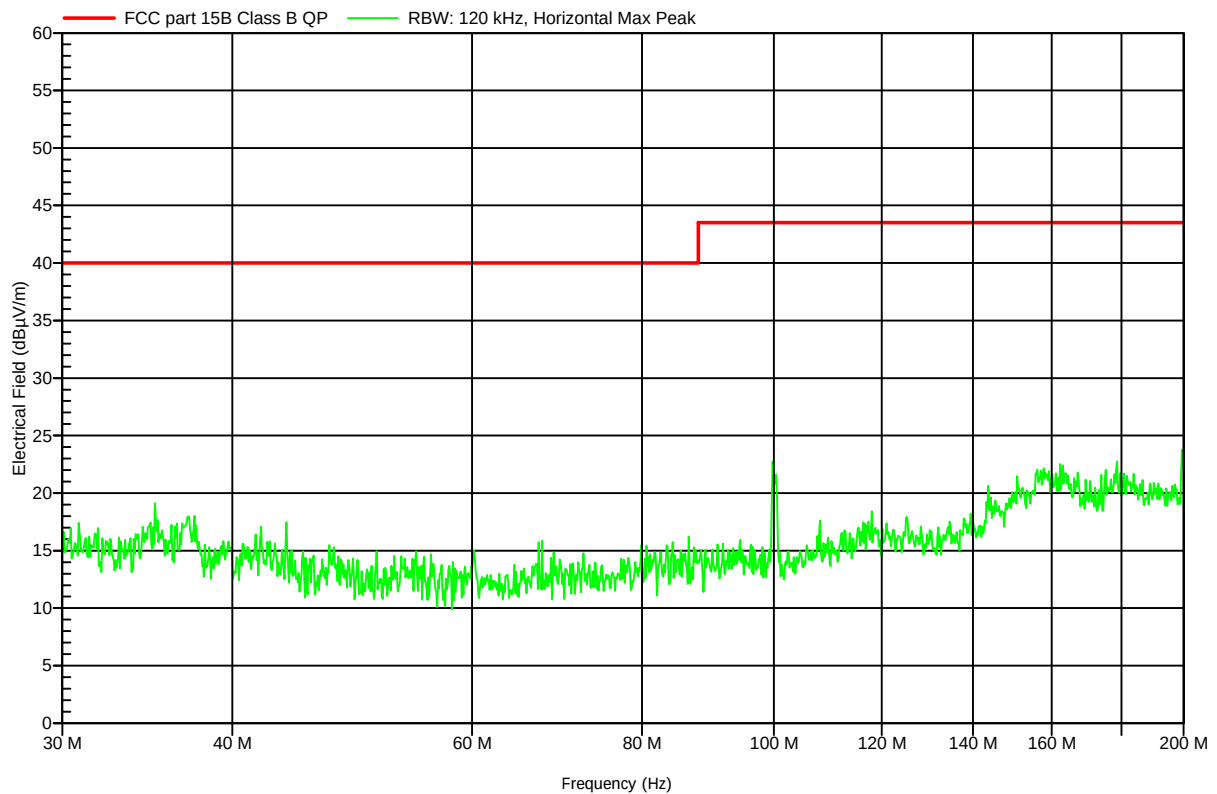
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Spurious emissions under normal conditions according to FCC 15B

Order number: G0M-1106-1223

Manufacturer:	Funkwerk Enterprise Communications GmbH
EUT Name:	WLAN Access Point
Model:	W1002n
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Handrik
Test Conditions:	Tnom: 22°C, Unom: 120 V AC (AC/DC adaptor)
Antenna:	Rohde & Schwarz HK 116, Horizontal
Measurement distance:	3m
Mode:	active
Test Date:	29.08.2011
Note:	PASS

Index 11



Test Report No.: G0M-1106-1223-C-2

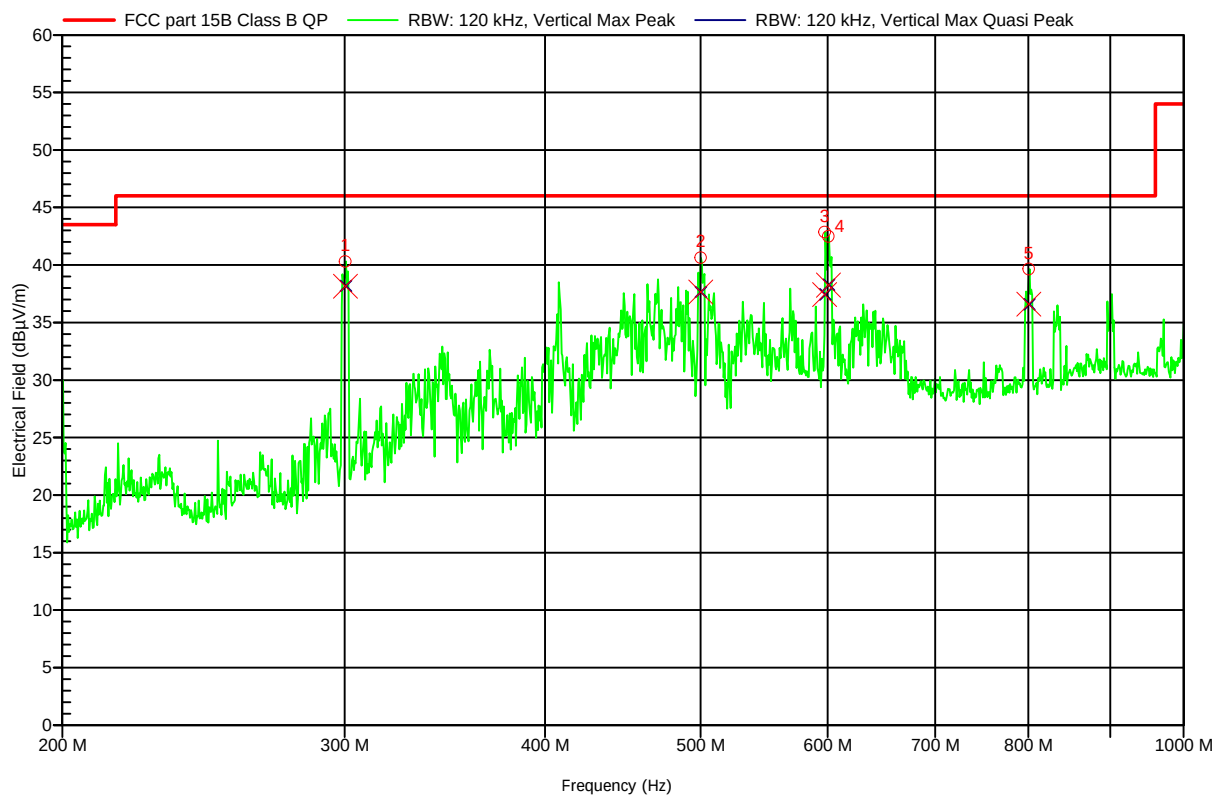
Eurofins Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

Spurious emissions under normal conditions according to FCC 15B

Order number: G0M-1106-1223

Manufacturer: Funkwerk Enterprise Communications GmbH
 EUT Name: WLAN Access Point
 Model: W1002n
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Unom: 120 V AC (AC/DC adaptor)
 Antenna: Rohde & Schwarz HL 223, Vertical
 Measurement distance: 3m
 Mode: active
 Test Date: 29.08.2011
 Note: PASS

Index 12



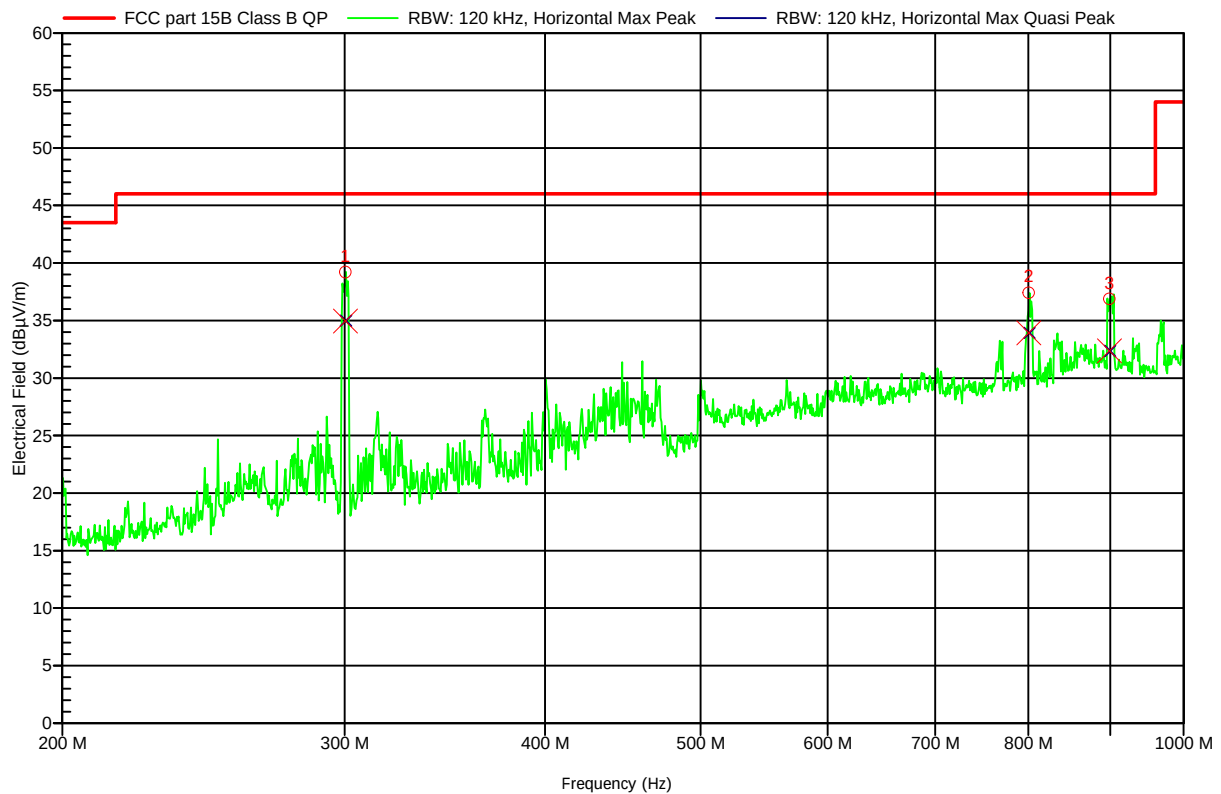
Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Status
300,314 MHz	38,16 dBµV/m	46 dBµV/m	-7,84 dB	Pass
500,03 MHz	37,66 dBµV/m	46 dBµV/m	-8,34 dB	Pass
597,452 MHz	37,43 dBµV/m	46 dBµV/m	-8,57 dB	Pass
600,578 MHz	38,25 dBµV/m	46 dBµV/m	-7,75 dB	Pass
800,768 MHz	36,59 dBµV/m	46 dBµV/m	-9,41 dB	Pass

Spurious emissions under normal conditions according to FCC 15B

Order number: G0M-1106-1223

Manufacturer: Funkwerk Enterprise Communications GmbH
 EUT Name: WLAN Access Point
 Model: W1002n
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Unom: 120 V AC (AC/DC adaptor)
 Antenna: Rohde & Schwarz HL 223, Horizontal
 Measurement distance: 3m
 Mode: active
 Test Date: 29.08.2011
 Note: PASS

Index 13



Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Status
300,32 MHz	34,96 dBµV/m	46 dBµV/m	-11,04 dB	Pass
800,774 MHz	33,93 dBµV/m	46 dBµV/m	-12,07 dB	Pass
898,994 MHz	32,36 dBµV/m	46 dBµV/m	-13,64 dB	Pass

Test Report No.: G0M-1106-1223-C-2

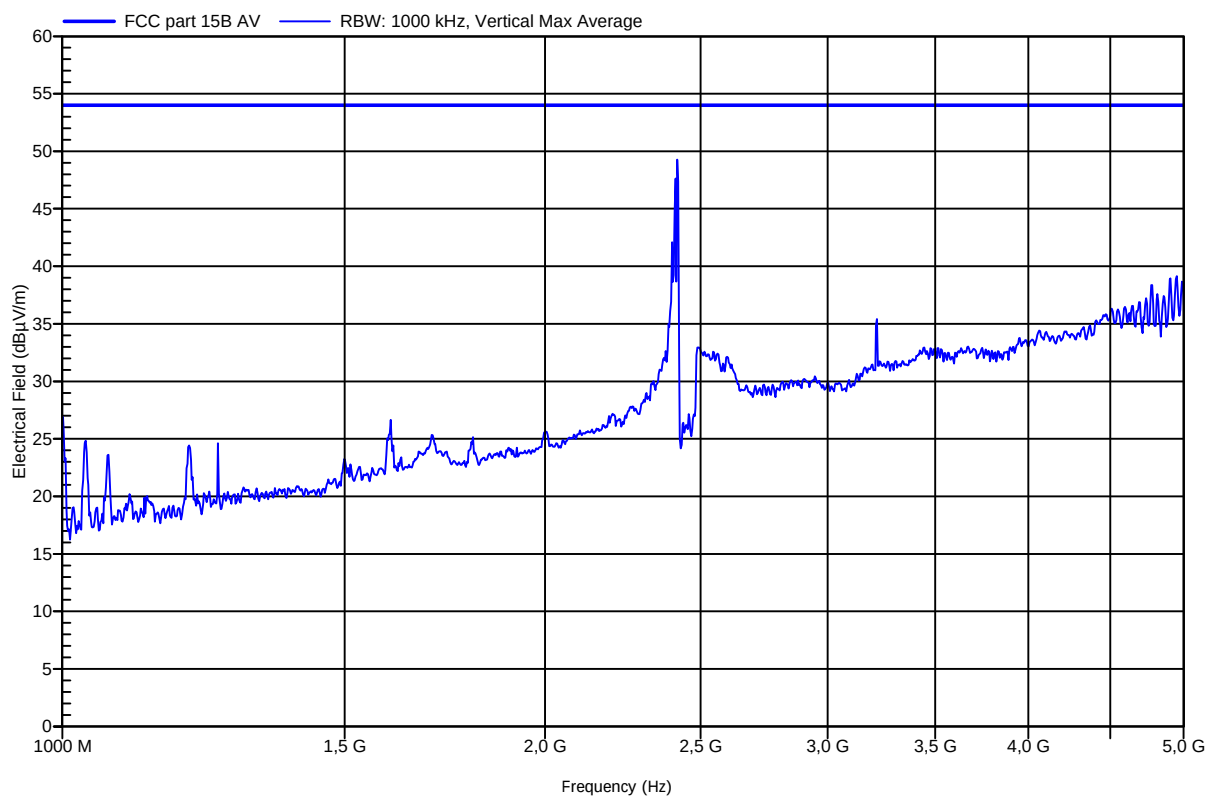
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Spurious emissions under normal conditions according to FCC 15B

Order number: G0M-1106-1223

Manufacturer:	Funkwerk Enterprise Communications GmbH
EUT Name:	WLAN Access Point
Model:	W1002n
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Handrik
Test Conditions:	Tnom: 22°C, Unom: 120 V AC (AC/DC adaptor)
Antenna:	Rohde & Schwarz HL 025, Vertical
Measurement distance:	3m
Mode:	active
Test Date:	29.08.2011
Note:	PASS

Index 21

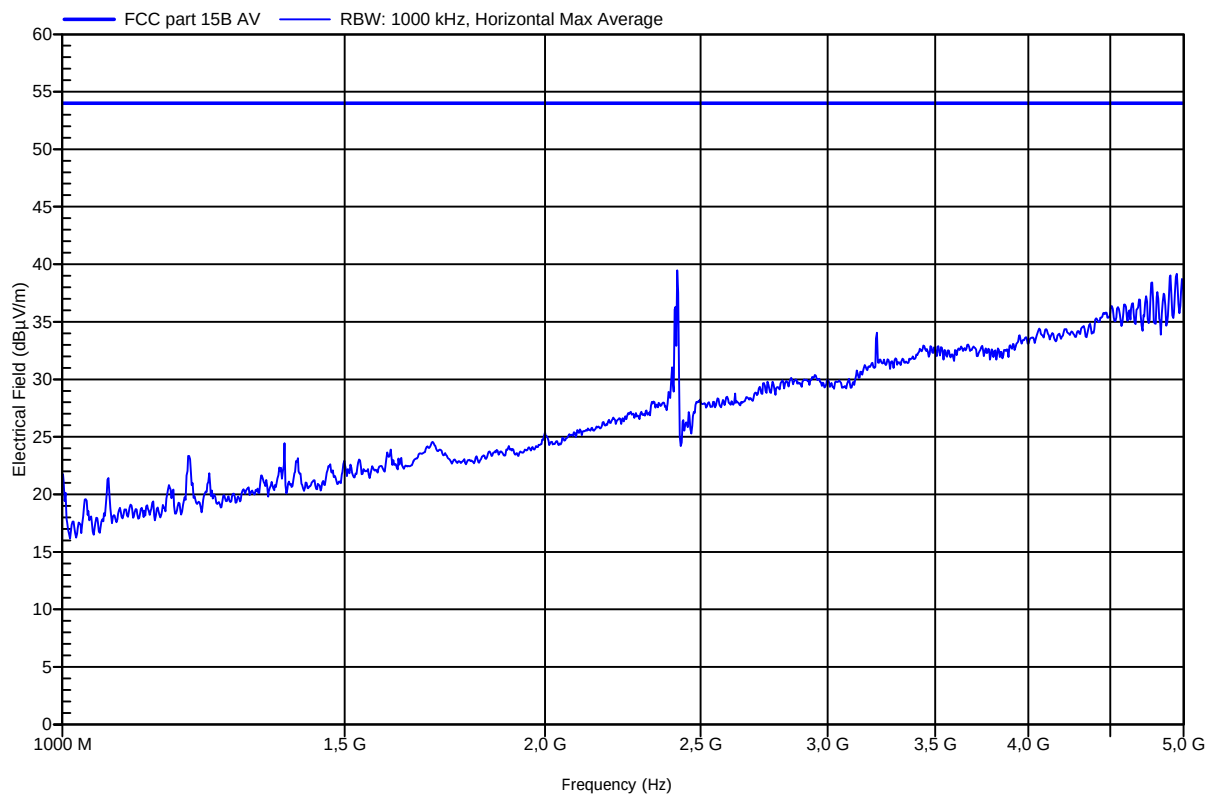


Spurious emissions under normal conditions according to FCC 15B

Order number: G0M-1106-1223

Manufacturer:	Funkwerk Enterprise Communications GmbH
EUT Name:	WLAN Access Point
Model:	W1002n
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Handrik
Test Conditions:	Tnom: 22°C, Unom: 120 V AC (AC/DC adaptor)
Antenna:	Rohde & Schwarz HL 025, Horizontal
Measurement distance:	3m
Mode:	active
Test Date:	29.08.2011
Note:	PASS

Index 22



Test Report No.: G0M-1106-1223-C-2

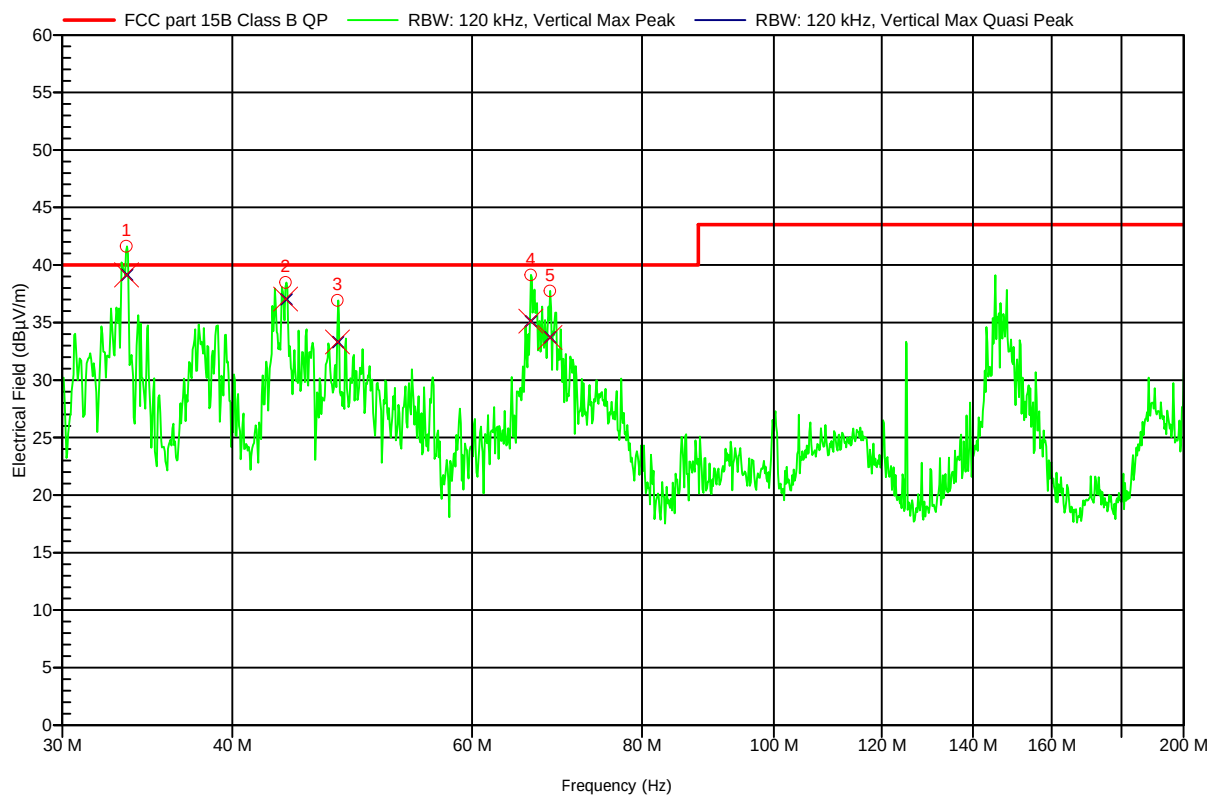
Eurofins Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

Spurious emissions under normal conditions according to FCC 15B

Order number: G0M-1106-1223

Manufacturer: Funkwerk Enterprise Communications GmbH
 EUT Name: WLAN Access Point
 Model: W1002n
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Unom: POE
 Antenna: Rohde & Schwarz HK 116, Vertical
 Measurement distance: 3m
 Mode: active, POE
 Test Date: 29.08.2011
 Note: PASS

Index 17



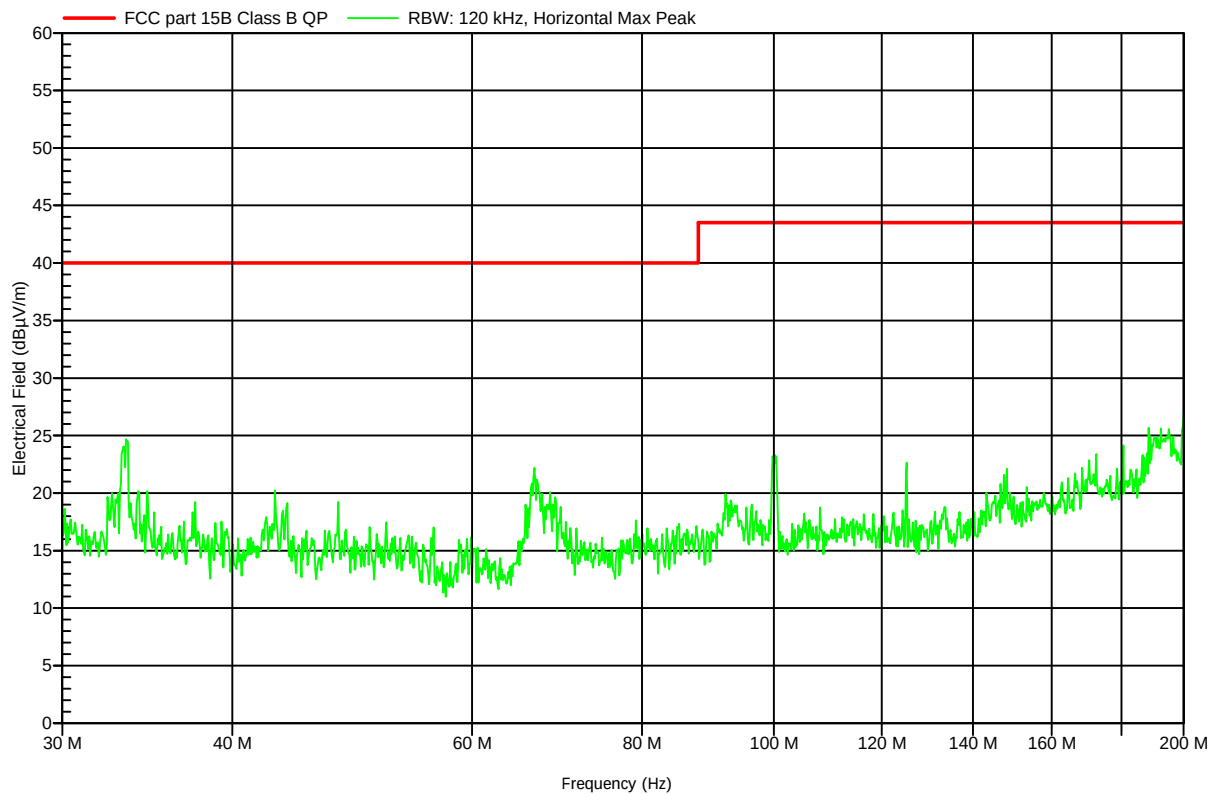
Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Status
33,45 MHz	39,14 dBµV/m	40 dBµV/m	-0,86 dB	Pass
43,788 MHz	37,03 dBµV/m	40 dBµV/m	-2,97 dB	Pass
47,796 MHz	33,31 dBµV/m	40 dBµV/m	-6,69 dB	Pass
66,294 MHz	35,12 dBµV/m	40 dBµV/m	-4,88 dB	Pass
68,478 MHz	33,72 dBµV/m	40 dBµV/m	-6,28 dB	Pass

Spurious emissions under normal conditions according to FCC 15B

Order number: G0M-1106-1223

Manufacturer:	Funkwerk Enterprise Communications GmbH
EUT Name:	WLAN Access Point
Model:	W1002n
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Handrik
Test Conditions:	Tnom: 22°C, Unom: POE
Antenna:	Rohde & Schwarz HK 116, Horizontal
Measurement distance:	3m
Mode:	active, POE
Test Date:	29.08.2011
Note:	PASS

Index 18



Test Report No.: G0M-1106-1223-C-2

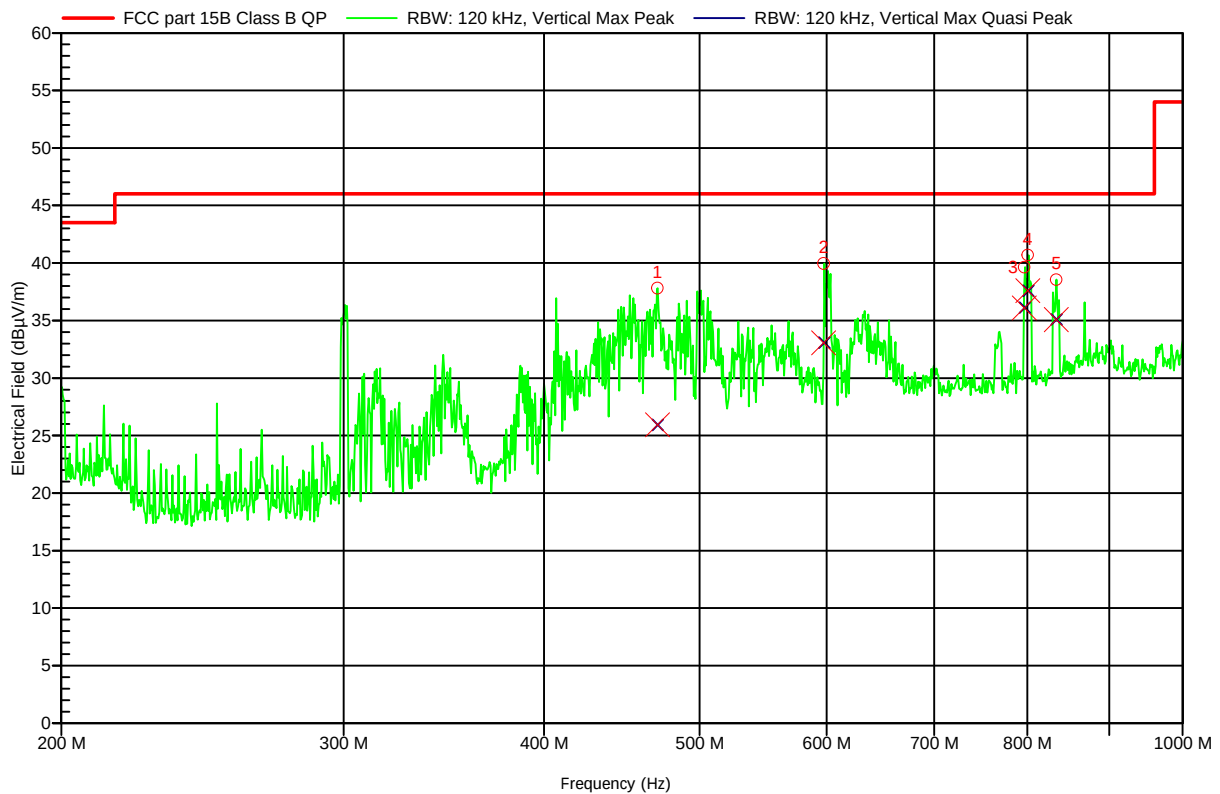
Eurofins Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

Spurious emissions under normal conditions according to FCC 15B

Order number: G0M-1106-1223

Manufacturer: Funkwerk Enterprise Communications GmbH
 EUT Name: WLAN Access Point
 Model: W1002n
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Unom: POE
 Antenna: Rohde & Schwarz HL 223, Vertical
 Measurement distance: 3m
 Mode: active, POE
 Test Date: 29.08.2011
 Note: PASS

Index 15



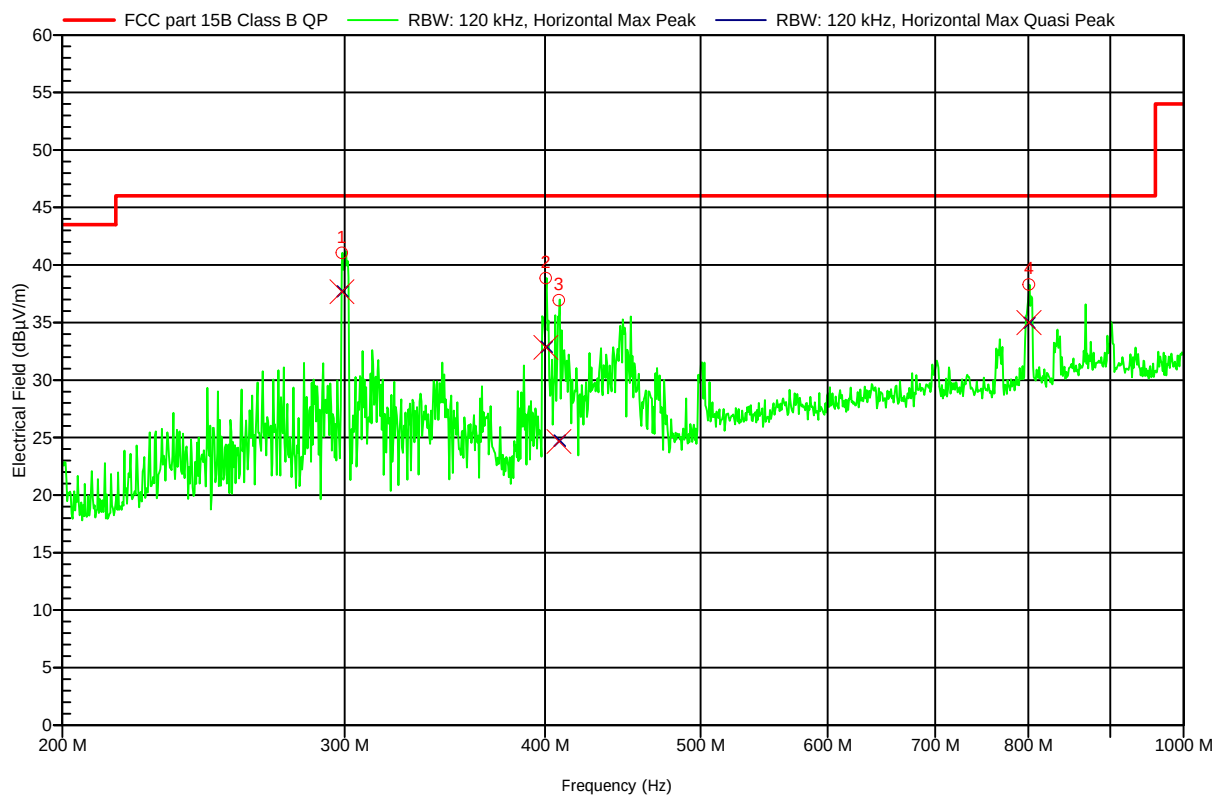
Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Status
470,624 MHz	25,93 dBµV/m	46 dBµV/m	-20,07 dB	Pass
597,452 MHz	33,05 dBµV/m	46 dBµV/m	-12,95 dB	Pass
796,628 MHz	36,1 dBµV/m	46 dBµV/m	-9,9 dB	Pass
800,762 MHz	37,59 dBµV/m	46 dBµV/m	-8,41 dB	Pass
834,11 MHz	35,08 dBµV/m	46 dBµV/m	-10,92 dB	Pass

Spurious emissions under normal conditions according to FCC 15B

Order number: G0M-1106-1223

Manufacturer: Funkwerk Enterprise Communications GmbH
 EUT Name: WLAN Access Point
 Model: W1002n
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Unom: POE
 Antenna: Rohde & Schwarz HL 223, Horizontal
 Measurement distance: 3m
 Mode: active, POE
 Test Date: 29.08.2011
 Note: PASS

Index 14



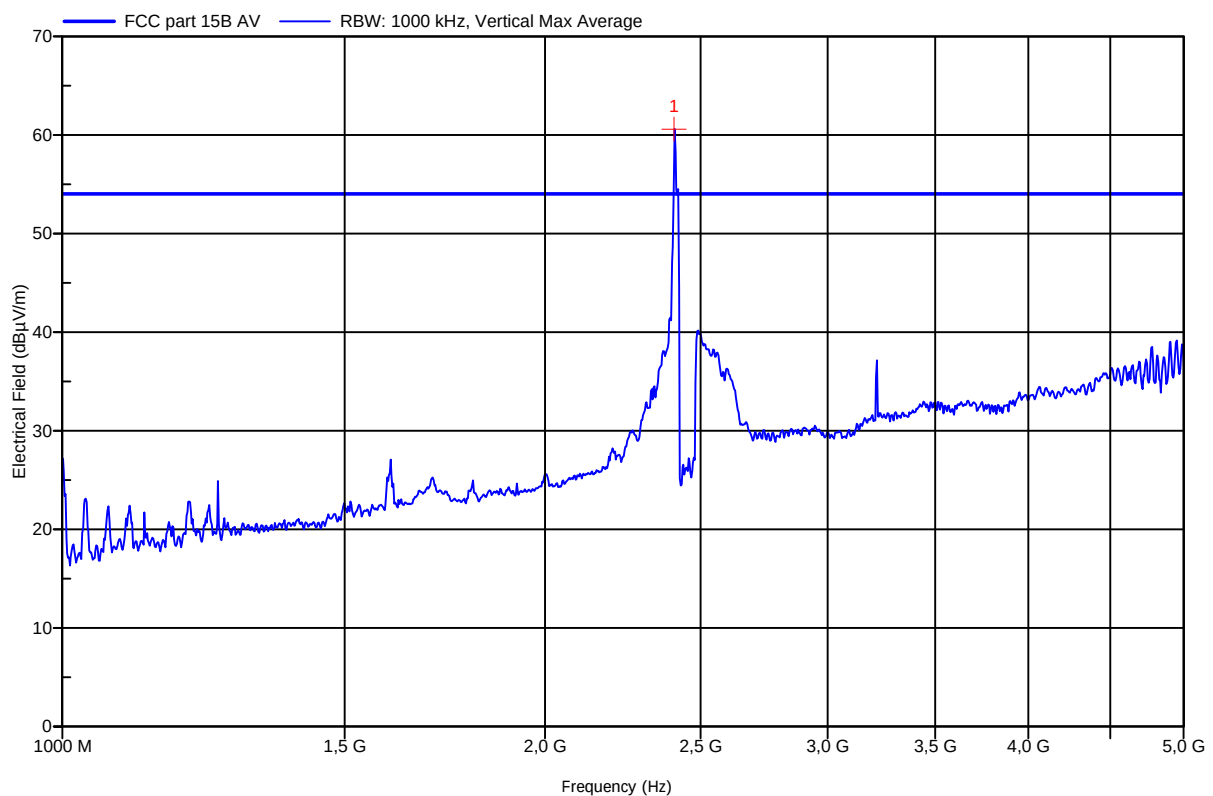
Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Status
298,856 MHz	37,69 dBµV/m	46 dBµV/m	-8,31 dB	Pass
400,454 MHz	32,85 dBµV/m	46 dBµV/m	-13,15 dB	Pass
408,038 MHz	24,66 dBµV/m	46 dBµV/m	-21,34 dB	Pass
800,858 MHz	35 dBµV/m	46 dBµV/m	-11 dB	Pass

Spurious emissions under normal conditions according to FCC 15B

Order number: G0M-1106-1223

Manufacturer: Funkwerk Enterprise Communications GmbH
 EUT Name: WLAN Access Point
 Model: W1002n
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Unom: POE
 Antenna: Rohde & Schwarz HL 025, Vertical
 Measurement distance: 3m
 Mode: active, POE
 Test Date: 29.08.2011
 Note: PASS

Index 20



Frequency	Average	Average Limit	Average Difference	Status
2,406 GHz	60,58 dBµV/m	54 dBµV/m	6,58 dB	WLAN carrier

Test Report No.: G0M-1106-1223-C-2

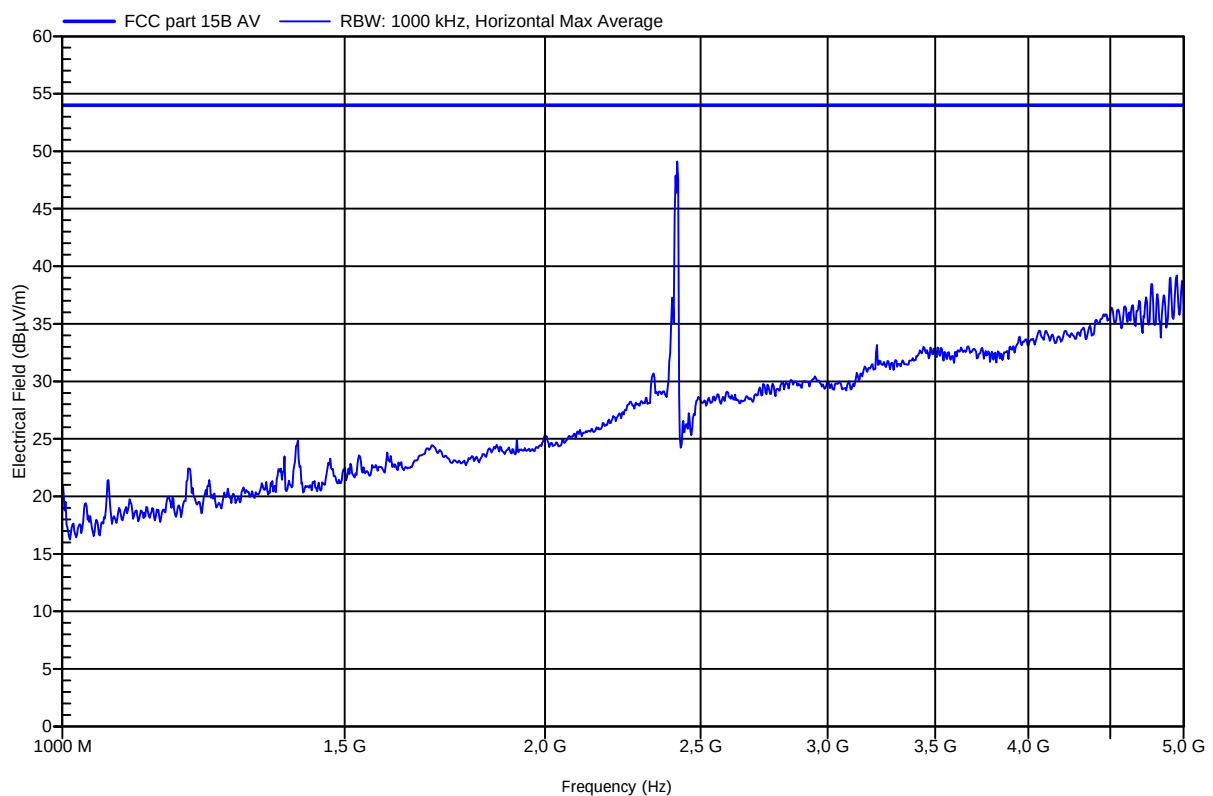
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Spurious emissions under normal conditions according to FCC 15B

Order number: G0M-1106-1223

Manufacturer:	Funkwerk Enterprise Communications GmbH
EUT Name:	WLAN Access Point
Model:	W1002n
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Handrik
Test Conditions:	Tnom: 22°C, Unom: POE
Antenna:	Rohde & Schwarz HL 025, Horizontal
Measurement distance:	3m
Mode:	active, POE
Test Date:	29.08.2011
Note:	PASS

Index 19



Test Report No.: G0M-1106-1223-C-2

Eurofins Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

3.2 Test Conditions and Results – AC power line conducted emissions

Conducted emissions acc. FCC 47 CFR 15.107 / IC RSS-Gen			Verdict: PASS	
Laboratory Parameters:		Required prior to the test	During the test	
Ambient Temperature		15 to 35°C	22°C	
Relative Humidity		30 to 60%	52%	
Test according referenced standards		Reference Method		
		ANSI C63.4		
Fully configured sample scanned over the following frequency range		Frequency range		
		0.15MHz to 30MHz		
Sample is tested with respect to the requirements of the equipment class		Equipment class		
		Class B		
Points of Application		Application Interface		
AC Mains		LISN		
Limits and results Class B				
Frequency [MHz]	Quasi-Peak [dBµV]	Result	Average [dBµV]	Result
0.15 to 5	66 to 56*	PASS	56 to 46*	PASS
0.5 to 5	56	PASS	46	PASS
5 to 30	60	PASS	50	PASS
Comments:				
* Limit decreases linearly with the logarithm of the frequency.				

Test setup AC/DC-Adaptor



Test setup POE

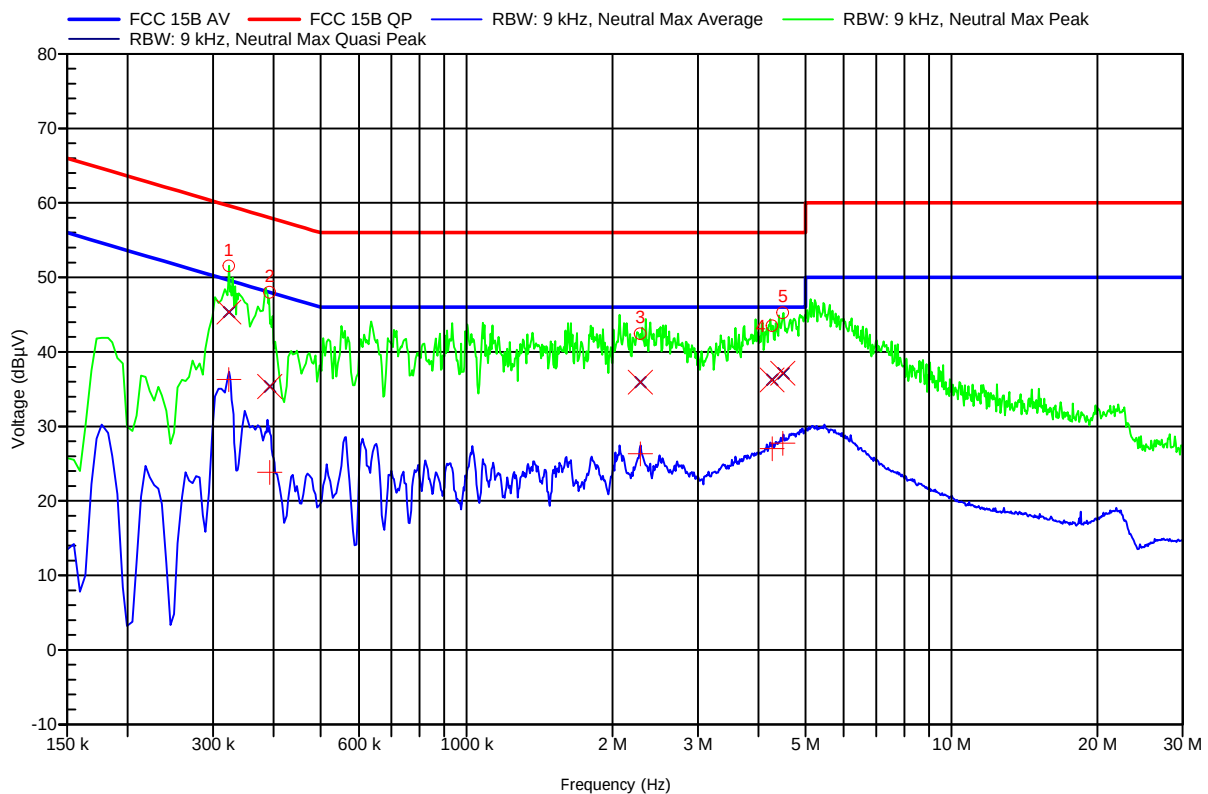


EMI voltage test in the ac-mains according to FCC 15B

Order number: G0M-1106-1223

Manufacturer: Funkwerk Enterprise Communications GmbH
 EUT Name: WLAN Access Point
 Model: W1002n
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Unom: 120 V AC (AC/DC adaptor)
 LISN: ESH2-Z5 N
 Mode: active
 Test Date: 23.08.2011
 Note: PASS

Index 1



Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Status
323.7 kHz	45.35 dBµV	59.61 dBµV	-14.26 dB	Pass
393 kHz	35.36 dBµV	58 dBµV	-22.64 dB	Pass
2.284 MHz	35.93 dBµV	56 dBµV	-20.07 dB	Pass
4.268 MHz	36.25 dBµV	56 dBµV	-19.75 dB	Pass
4.492 MHz	37.12 dBµV	56 dBµV	-18.88 dB	Pass

Frequency	Average	Average Limit	Average Difference	Status
323.7 kHz	36.28 dBµV	49.61 dBµV	-13.33 dB	Pass
393 kHz	23.83 dBµV	48 dBµV	-24.17 dB	Pass
2.284 MHz	26.32 dBµV	46 dBµV	-19.68 dB	Pass
4.268 MHz	27 dBµV	46 dBµV	-19 dB	Pass
4.492 MHz	27.73 dBµV	46 dBµV	-18.27 dB	Pass

Test Report No.: G0M-1106-1223-C-2

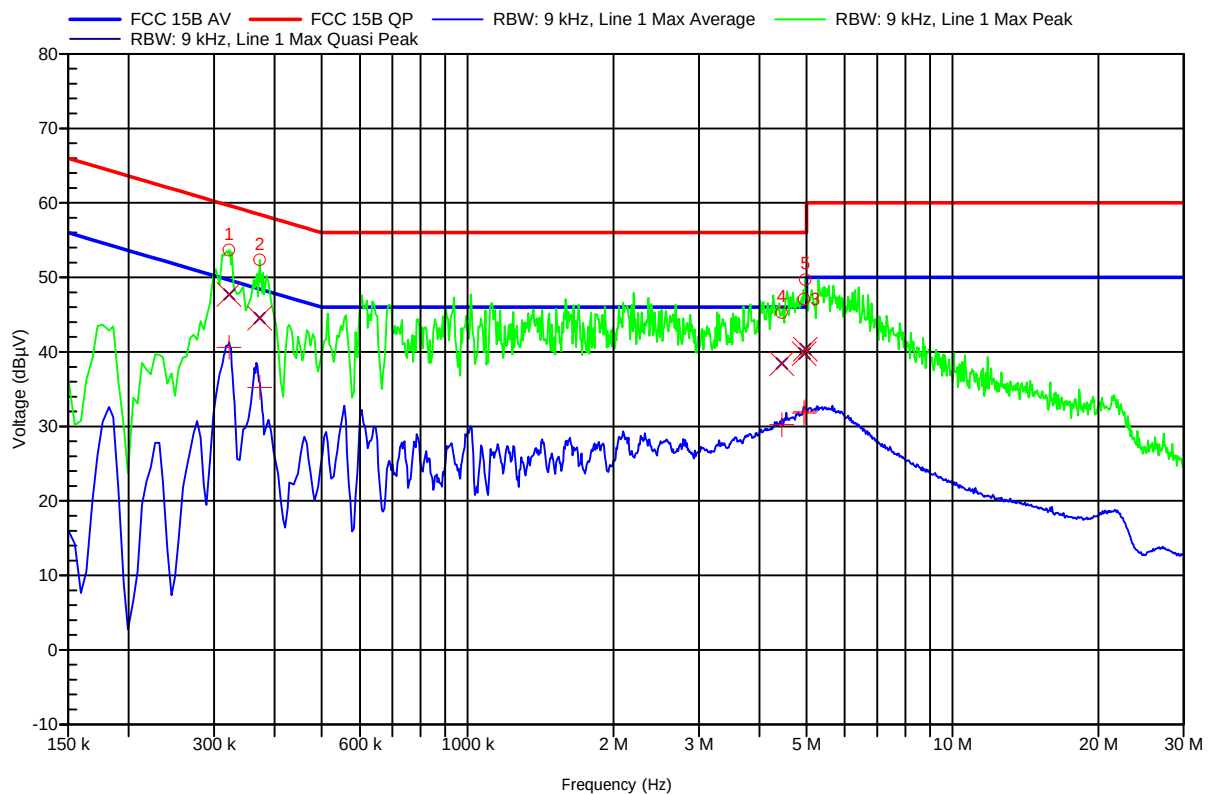
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

EMI voltage test in the ac-mains according to FCC 15B

Order number: G0M-1106-1223

Manufacturer: Funkwerk Enterprise Communications GmbH
 EUT Name: WLAN Access Point
 Model: W1002n
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Unom: 120 V AC (AC/DC adaptor)
 LISN: ESH2-Z5 L
 Mode: active
 Test Date: 23.08.2011
 Note: PASS

Index 2



Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Status
322.35 kHz	47.71 dBμV	59.65 dBμV	-11.93 dB	Pass
372.75 kHz	44.54 dBμV	58.44 dBμV	-13.9 dB	Pass
4.447 MHz	38.45 dBμV	56 dBμV	-17.55 dB	Pass
4.945 MHz	39.77 dBμV	56 dBμV	-16.23 dB	Pass
4.974 MHz	40.38 dBμV	56 dBμV	-15.62 dB	Pass

Frequency	Average	Average Limit	Average Difference	Status
322.35 kHz	40.61 dBμV	49.65 dBμV	-9.03 dB	Pass
372.75 kHz	35.25 dBμV	48.44 dBμV	-13.19 dB	Pass
4.447 MHz	30.23 dBμV	46 dBμV	-15.77 dB	Pass
4.945 MHz	31.79 dBμV	46 dBμV	-14.21 dB	Pass
4.974 MHz	31.97 dBμV	46 dBμV	-14.03 dB	Pass

Test Report No.: G0M-1106-1223-C-2

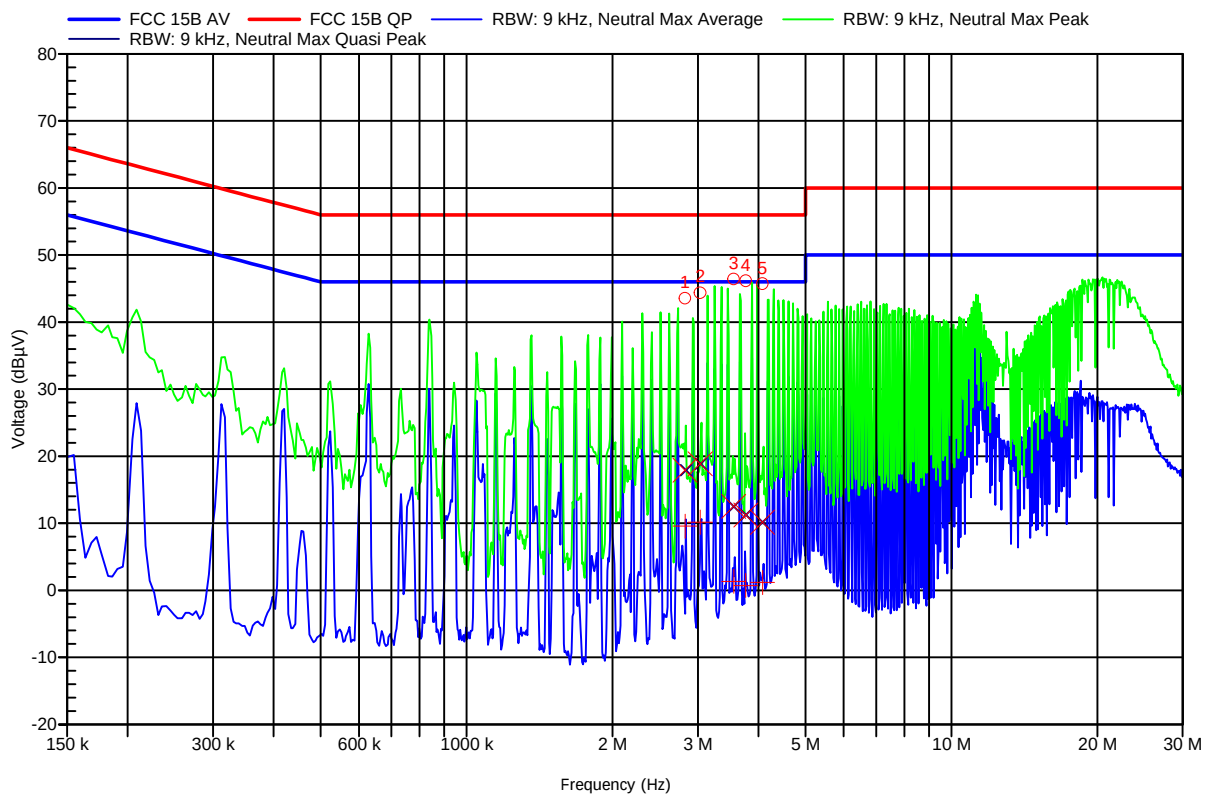
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

EMI voltage test in the ac-mains according to FCC 15B

Order number: G0M-1106-1223

Manufacturer: Funkwerk Enterprise Communications GmbH
 EUT Name: WLAN Access Point
 Model: W1002n
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Unom: POE
 LISN: ESH2-Z5 N
 Mode: active, POE
 Test Date: 24.08.2011
 Note: PASS

Index 7



Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Status
2.823 MHz	17.9 dBµV	56 dBµV	-38.1 dB	Pass
3.035 MHz	18.88 dBµV	56 dBµV	-37.12 dB	Pass
3.557 MHz	12.5 dBµV	56 dBµV	-43.5 dB	Pass
3.768 MHz	11.24 dBµV	56 dBµV	-44.76 dB	Pass
4.079 MHz	10.16 dBµV	56 dBµV	-45.84 dB	Pass

Frequency	Average	Average Limit	Average Difference	Status
2.823 MHz	9.57 dBµV	46 dBµV	-36.43 dB	Pass
3.035 MHz	10.16 dBµV	46 dBµV	-35.84 dB	Pass
3.557 MHz	1.34 dBµV	46 dBµV	-44.66 dB	Pass
3.768 MHz	0.72 dBµV	46 dBµV	-45.28 dB	Pass
4.079 MHz	1.17 dBµV	46 dBµV	-44.83 dB	Pass

Test Report No.: G0M-1106-1223-C-2

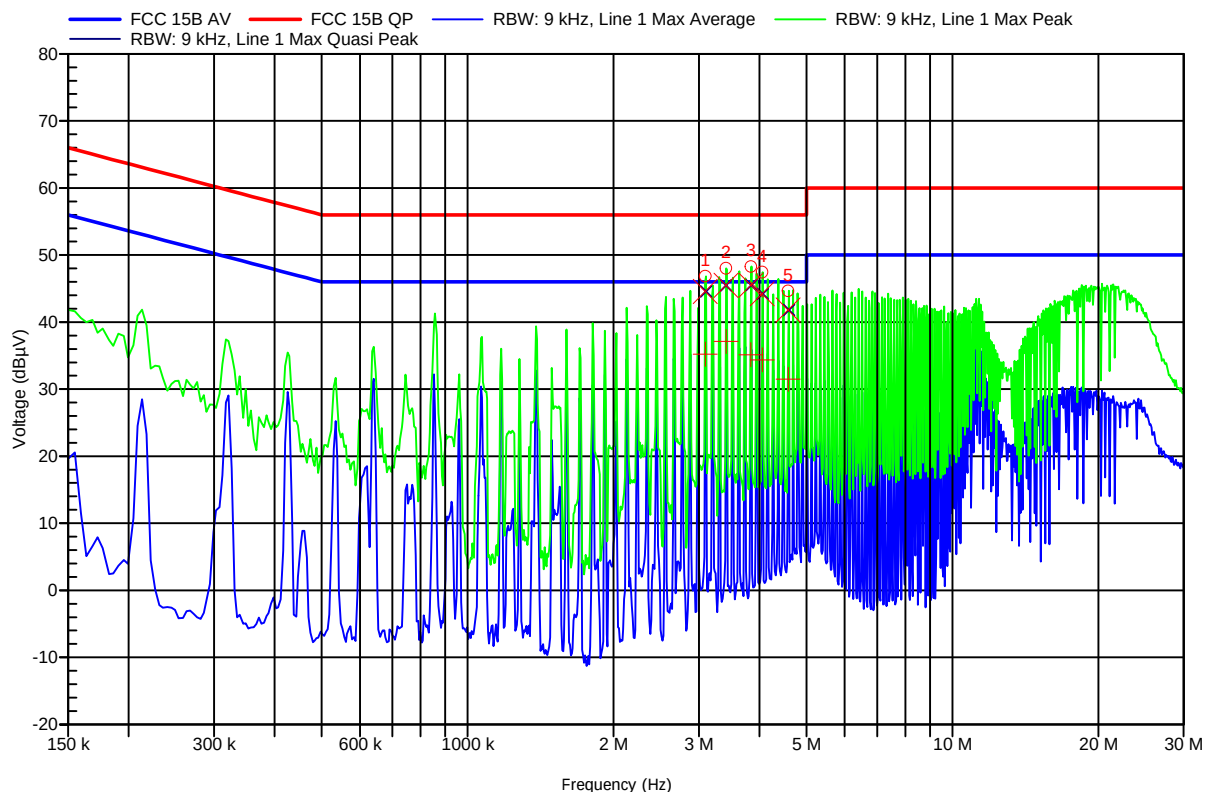
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

EMI voltage test in the ac-mains according to FCC 15B

Order number: G0M-1106-1223

Manufacturer: Funkwerk Enterprise Communications GmbH
 EUT Name: WLAN Access Point
 Model: W1002n
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Unom: POE
 LISN: ESH2-Z5 L
 Mode: active, POE
 Test Date: 24.08.2011
 Note: PASS

Index 8



Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Status
3.094 MHz	44.57 dBµV	56 dBµV	-11.43 dB	Pass
3.414 MHz	45.48 dBµV	56 dBµV	-10.52 dB	Pass
3.843 MHz	45.52 dBµV	56 dBµV	-10.48 dB	Pass
4.054 MHz	44.21 dBµV	56 dBµV	-11.79 dB	Pass
4.587 MHz	41.81 dBµV	56 dBµV	-14.19 dB	Pass

Frequency	Average	Average Limit	Average Difference	Status
3.094 MHz	35.22 dBµV	46 dBµV	-10.78 dB	Pass
3.414 MHz	37.12 dBµV	46 dBµV	-8.88 dB	Pass
3.843 MHz	35.14 dBµV	46 dBµV	-10.86 dB	Pass
4.054 MHz	34.36 dBµV	46 dBµV	-11.64 dB	Pass
4.587 MHz	31.49 dBµV	46 dBµV	-14.51 dB	Pass

Test Report No.: G0M-1106-1223-C-2

Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany