

FCC TEST REPORT FCC 47 CFR Part 15C Industry Canada RSS-210 Intentional radiator operating within the 2400 – 2483.5 MHz band	
Report Reference No.	G0M-1212-2467-TFC249D-V01
Testing Laboratory	Eurofins Product Service GmbH
Address	Storkower Str. 38c 15526 Reichenwalde Germany
Accreditation	  A2LA Accredited Testing Laboratory, Certificate No.: 1983.01 FCC Filed Test Laboratory, Reg.-No.: 96970 IC OATS Filing assigned code: 3470A
Applicant's name	myon AG
Address	Sonnenrain 75 6103 Schwarzenberg Switzerland
Test specification:	
Standard	47 CFR Part 15C RSS-210, Issue 8, 2010-12 RSS-Gen, Issue 3, 2010-12 ANSI C63.4:2009
Equipment under test (EUT):	
Product description	Wireless sensor data transmitter for skin potential indication.
Model No.	m320TXA
Hardware version	1
Firmware / Software version	2.00
	FCC-ID: SZSM320-1 IC: N/A
Test result	Passed

Possible test case verdicts:

- neither assessed nor tested: N/N
- required by standard but not appl. to test object.....: N/A
- required by standard but not tested.....: N/T
- not required by standard for the test object: N/R
- test object does meet the requirement.....: P (Pass)
- test object does not meet the requirement.....: F (Fail)

Testing:

Date of receipt of test item: 2013-02-04

Date (s) of performance of tests: 2013-02-13 – 2013-02-15

Compiled by: Antje Bartusch

Tested by (+ signature).....: Wilfried Treffke
(Testing Manager) 

Approved by (+ signature): Jens Zimmermann
(Test Lab Manager) 

Date of issue: 2013-06-21

Total number of pages: 54

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:

Test Report No.: G0M-1212-2467-TFC249D-V01

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

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1 Equipment (Test item) Description

Description	Wireless sensor data transmitter for skin potential indication.	
Model	m320TXA	
Serial number	None	
Hardware version	1	
Software / Firmware version	2.00	
Equipment type	End product	
Radio type	Transmitter only	
Radio technology	custom	
Operating frequency range	2403.666 - 2453.654 MHz	
Assigned frequency band	2400 - 2483.5 MHz	
Frequency range	F _{LOW}	2403.666 MHz
	F _{MID}	2430.326 MHz
	F _{HIGH}	2453.654 MHz
Spreading	None	
Modulations	FSK	
Number of channels	31	
Channel spacing	3.32 MHz	
Number of antennas	1	
Antenna	Type	integrated
	Model	2450AT43B100E
	Manufacturer	Johanson Technology
	Gain	1.3 dBi
Manufacturer	myon AG Sonnenrain 75 6103 Schwarzenberg Switzerland	
Power supply	V _{NOM}	3.7 VDC (Lithium-Battery)
	V _{MIN}	N/A
	V _{MIN}	N/A
AC/DC-Adaptor	Model	N/A
	Vendor	N/A
	Input	N/A
	Output	N/A

1.4 Supporting Equipment Used During Testing

Product Type*	Device	Manufacturer	Model No.	Comments
None				
*Note: Use the following abbreviations: AE : Auxiliary/Associated Equipment, or SIM : Simulator (Not Subjected to Test) CABL : Connecting cables				

1.5 Test Modes

Mode #	Description	
Single	General conditions:	EUT powered by fully charged battery
	Radio conditions:	Mode = standalone transmit Modulation = FSK Power level = Maximum

1.6 Test Equipment Used During Testing

Occupied Bandwidth					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Spectrum Analyzer	R&S	FSP 30	EF00312	2013-01	2014-01

Field strength emissions					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Semi-anechoic chamber	Frankonia	AC 5	EF00395	-	-
Spectrum Analyzer	R&S	FSIQ26	EF00242	2012-05	2013-05
Biconical Antenna	R&S	HK 116	EF00203	2012-01	2014-01
LPD Antenna	R&S	HL 223	EF00187	2011-02	2014-02
LPD Antenna	R&S	HL 025	EF00327	2013-02	2016-02

AC powerline conducted emissions					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
AMN	R&S	ESH2-Z5	EF00182	2012-10	2014-10
AMN	R&S	ESH3-Z5	EF00036	2012-11	2014-11
EMI Test Receiver	R&S	ESCS 30	EF00295	2012-08	2013-08

1.7 Sample emission level calculation

The following is a description of terms and a sample calculation, as appears in the radiated emissions data table. The numbers used in the calculation are for example only. There is no direct correlation to the specific data taken for the product described in this document:

Reading:

This is the reading obtained on the spectrum analyzer in dBμV. Any external preamplifiers used are taken into account through internal analyzer settings.

A.F.:

This is the antenna factor for the receiving antenna. It is a conversion factor, which converts electric fields strengths to voltages, which can be measured directly on the spectrum analyzer. It is treated as a loss in dB. Cable losses have been included with the A.F. to simplify the calculations. The antenna factor is used in calculations as follows:

$$\text{Reading on Analyzer (dB}\mu\text{V)} + \text{A.F. (dB)} = \text{Net field strength (dB}\mu\text{V/m)}$$

Net:

This is the net field strength measurement (as shown above).

Limit:

This is the FCC Class B radiated emission limit (in units of dBμV/m). The FCC limits are given in units of μV/m. The following formula is used to convert the units of μV/m to dBμV/m:

$$\text{Limit (dB}\mu\text{V/m)} = 20 * \log (\mu\text{V/m})$$

Margin:

This is the margin of compliance below the FCC limit. The units are given in dB. A negative margin indicates the emission was below the limit. A positive margin indicates that the emission exceeds the limit.

Example only:

$$\begin{array}{rclcl} \text{Reading} & + & \text{AF} & = & \text{Net Reading} & : & \text{Net reading - FCC limit} & = & \text{Margin} \\ 21.5 \text{ dB}\mu\text{V} & + & 26 \text{ dB} & = & 47.5 \text{ dB}\mu\text{V/m} & : & 47.5 \text{ dB}\mu\text{V/m} - 57.0 \text{ dB}\mu\text{V/m} & = & -9.5 \text{ dB} \end{array}$$

2 Result Summary

FCC 47 CFR Part 15C, IC RSS-210				
Product Specific Standard Section	Requirement – Test	Reference Method	Result	Remarks
RSS-Gen 4.6.1	Occupied Bandwidth	RSS-Gen 4.6.1	N/R	Informational only
FCC 15.249(a),(c),(e) IC RSS-210 A2.9(a)	Fundamental field strength emissions	ANSI C63.4	PASS	
FCC 15.249(a),(c),(d),(e) IC RSS-210 A2.9(a),(b)	Emission radiated outside the specified frequency band	ANSI C63.4	PASS	
IC RSS-210 Section 2.3 IC RSS-Gen 4.10 6.1	Receiver radiated spurious emissions	ANSI C63.4	N/R	Transmitter only
FCC § 15.207 IC RSS-Gen 7.2.4	AC power line conducted emissions	ANSI C63.4	N/R	EUT exclusively battery powered
Remarks:				

3 Test Conditions and Results

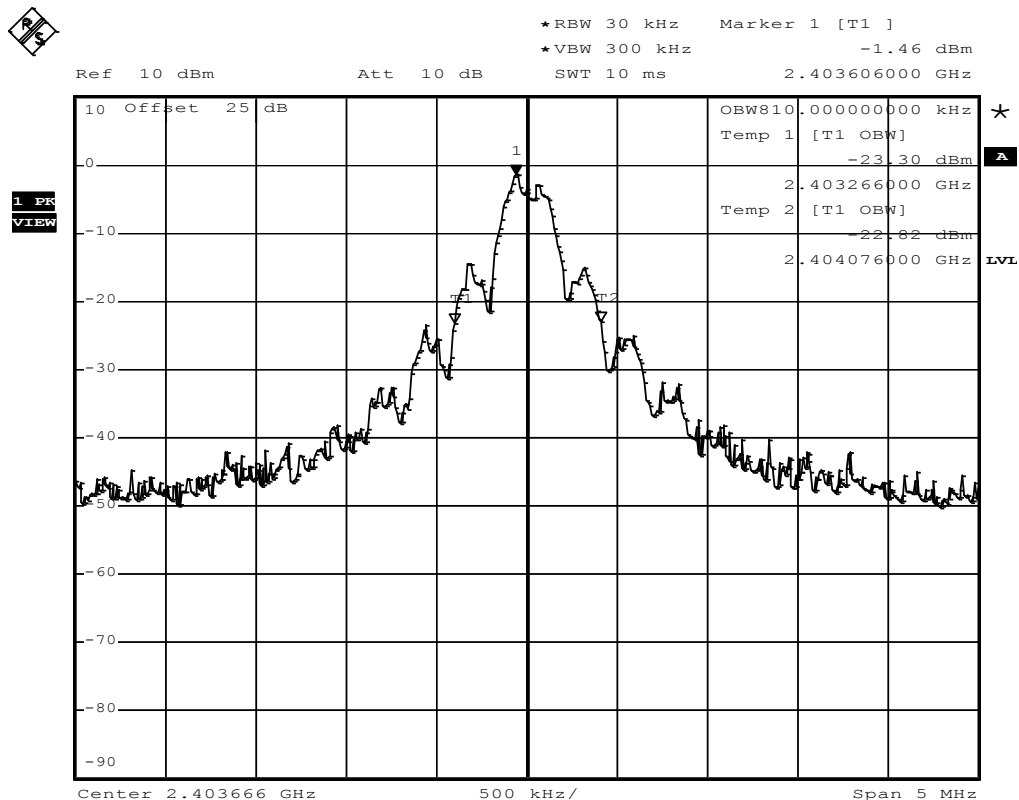
3.1 Test Conditions and Results – Occupied Bandwidth

Occupied Bandwidth acc. IC RSS-Gen			Verdict: PASS
Test according to measurement reference		Reference Method	
		RSS-Gen 4.6.1	
Test frequency range		Tested frequencies	
		F _{LOW} / F _{MID} / F _{HIGH}	
EUT test mode		Single	
Limits			
None (Informational only)			
Test setup			
Spectrum Analyzer EUT			
Test procedure			
1. EUT set to test mode (Communication tester is used if needed) 2. Span set to at least twice the emission spectrum 3. Resolution bandwidth set to 1 % of span 4. Occupied Bandwidth (99 %) measurement with spectrum analyzer built in measurement function			
Test results			
Channel	Frequency [MHz]	Occupied Bandwidth [kHz]	
F _{LOW}	2403.666	810.000	
F _{MID}	2430.326	921.843	
F _{HIGH}	2453.654	831.613	
Comments:			

Occupied Bandwidth - F_{Low}

RSS-Gen Occupied Bandwidth

EUT Wireless sensor data transmitter for skin potential indication
Model m320TXA
Approval Holder myon AG / Ord.: G0M-1212-2467
Temperature / Voltage tnom / Vnom
Test Site / Operator Eurofins Product Service GmbH / Mr. Treffke
Test Specification EN 300 440
Comment 1 A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 2 Channel.: 2403.666MHz
Comment 3 FSK

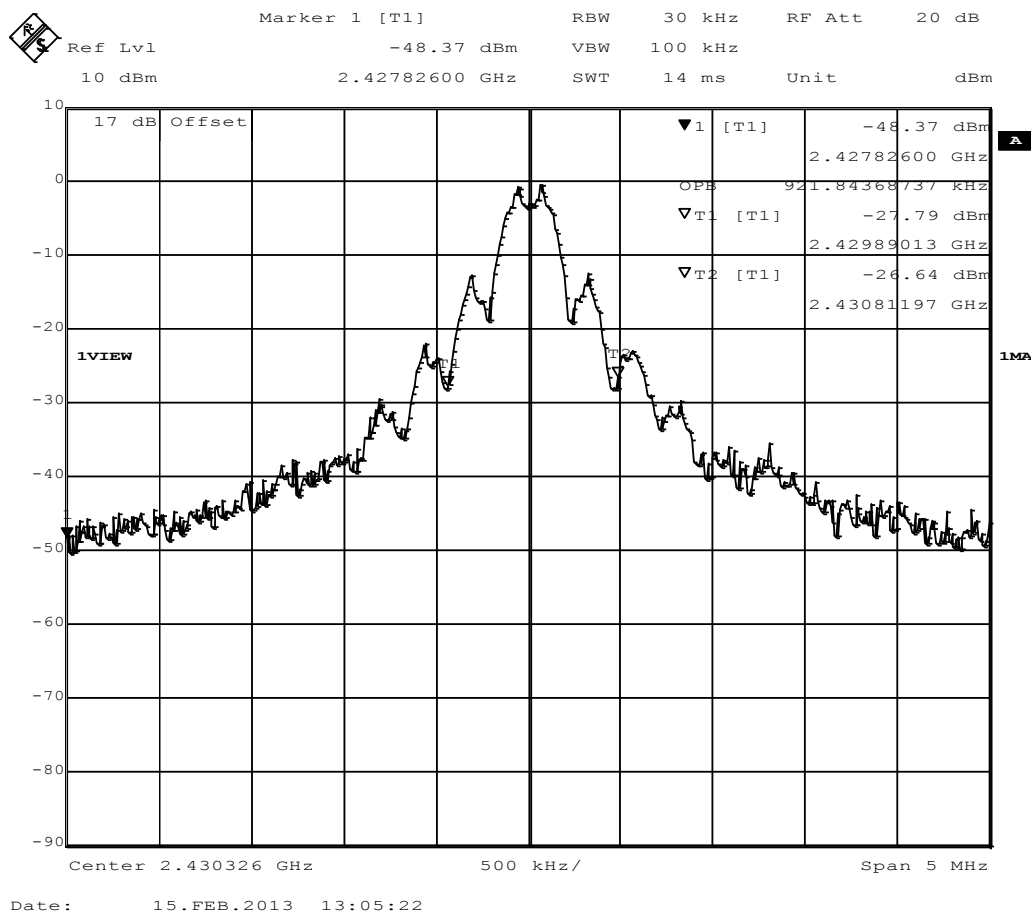


Comment: Occupied bandwidth: 810 KHz
Date: 13.FEB.2013 16:04:38

Occupied Bandwidth – F_{MID}

RSS-Gen Occupied Bandwidth

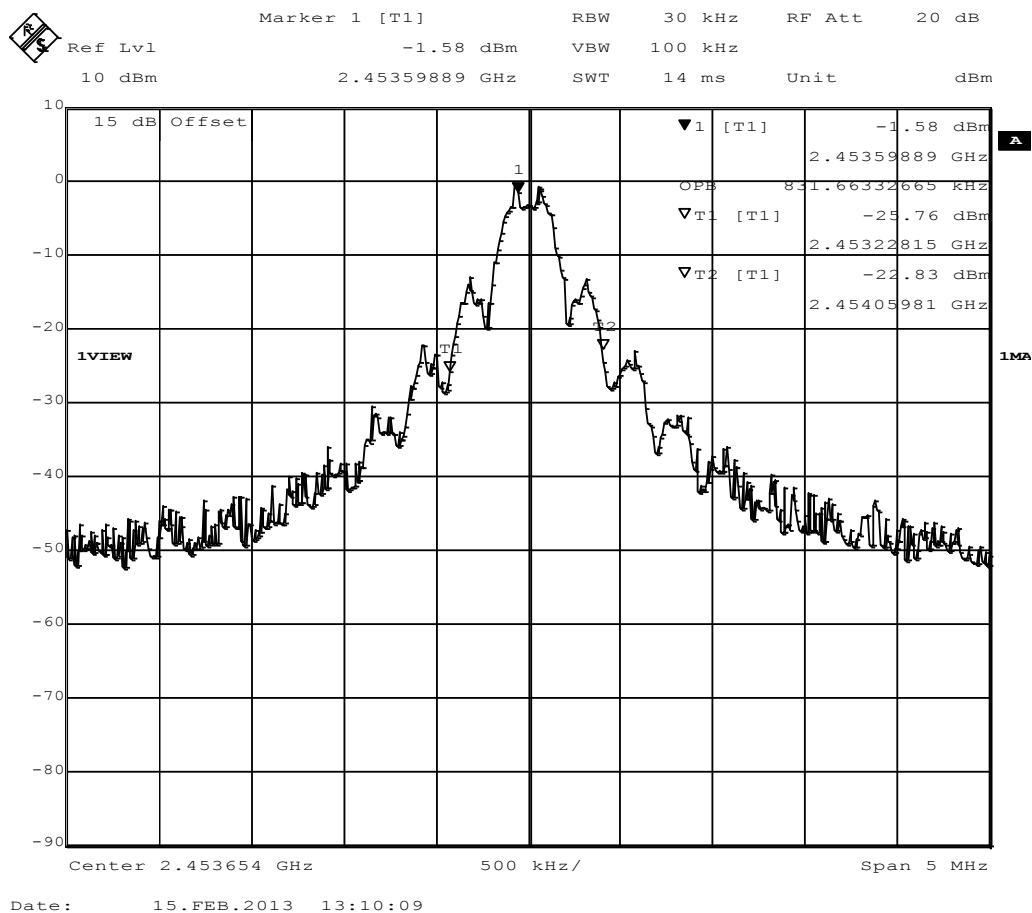
EUT Wireless sensor data transmitter for skin potential indication
Model m320TXA
Approval Holder myon AG / Ord.: G0M-1212-2467
Temperature / Voltage tnom / Vnom
Test Site / Operator Eurofins Product Service GmbH / Mr. Treffke
Test Specification EN 300 440
Comment 1 A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 2 Channel.: 2430.326 MHz
Comment 3 FSK



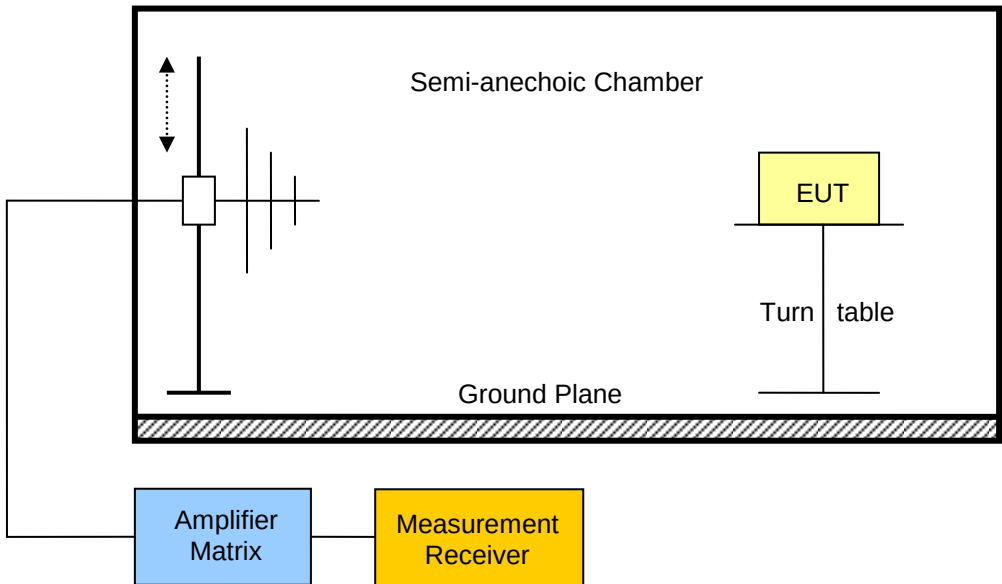
Occupied Bandwidth – F_{HIGH}

RSS-Gen Occupied Bandwidth

EUT Wireless sensor data transmitter for skin potential indication
Model m320TXA
Approval Holder myon AG / Ord.: G0M-1212-2467
Temperature / Voltage tnom / Vnom
Test Site / Operator Eurofins Product Service GmbH / Mr. Treffke
Test Specification RSS-Gen
Comment 1 A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 2 Channel.: 2453.564 MHz
Comment 3 FSK



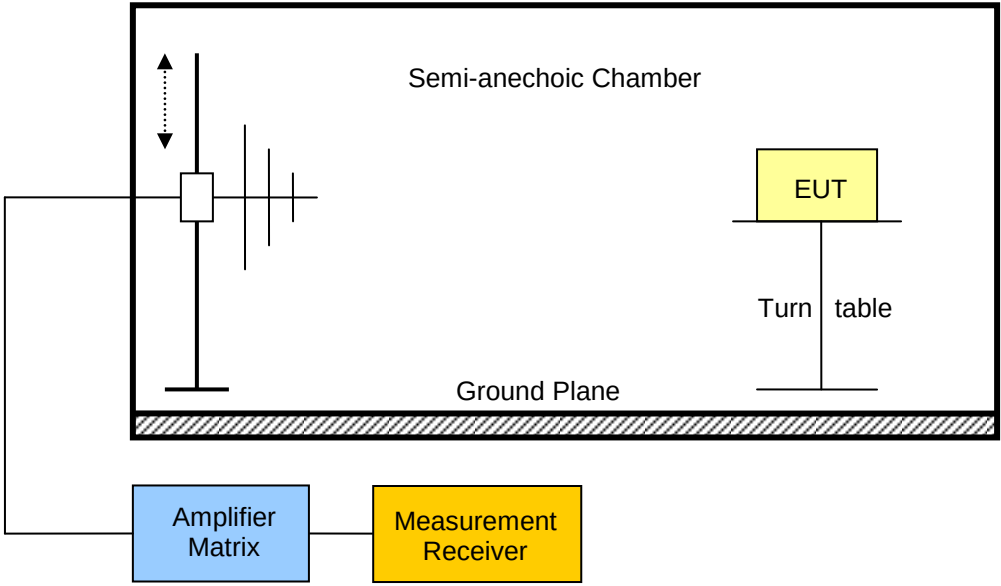
3.2 Test Conditions and Results – Fundamental field strength emissions

Field strength emissions acc. FCC 47 CFR 15.249 / IC RSS-210				Verdict: PASS
Test according referenced standards	Reference Method			
	FCC 15.249(a),(c),(e) / IC RSS-210 A2.9(a)			
Test according to measurement reference	Reference Method			
	ANSI C63.4			
Test frequency range	Tested frequencies			
	F _{LOW} / F _{MID} / F _{HIGH}			
EUT test mode	Single			
Limits				
Frequency range [MHz]	Detector	Limit [mV/m]	Limit [dBµV/m]	Limit Distance [m]
902 – 928	Quasi-Peak	50	94	3
2400 – 2483.5	Average	50	94	3
5725 - 5875	Average	50	94	3
FCC 15.249(e) : for frequencies above 1000 MHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.				
Below 1GHz a CISPR quasi-peak detector is used.				
Test setup				
				

Test procedure								
1. EUT set to test mode 2. Span it set according to measurement range 3. Resolution bandwidth below 1 GHz is set according to CISPR 16 with peak/quasi-peak detector and RBW of 1 MHz with peak/average detector is used above 1 GHz 4. Markers are set to maximum emission levels								
Test results								
Channel	Frequency [MHz]	Emission [MHz]	Level [db μ V/m]	Detector	Pol.	Limit [db μ V/m]	Limit distance [m]*	Margin [dB]
F _{LOW}	2403.666	2404	94.61	pk	hor	114.00	3	-19.39
F _{LOW}	2403.666	2404	84.32	avg	hor	94.00	3	-09.68
F _{LOW}	2403.666	2404	84.73	pk	ver	114.00	3	-29.27
F _{MID}	2430.326	2430	93.93	pk	hor	114.00	3	-20.07
F _{MID}	2430.326	2430	83.29	avg	hor	94.00	3	-10.71
F _{MID}	2430.326	2430	84.90	pk	ver	114.00	3	-29.10
F _{HIGH}	2454.654	2454	93.37	pk	hor	114.00	3	-20.63
F _{HIGH}	2454.654	2454	82.70	avg	hor	94.00	3	-11.30
F _{HIGH}	2454.654	2454	84.71	pk	ver	114.00	3	-29.29
Comments: * Physical distance between EUT and measurement antenna.								

3.3 Test Conditions and Results – Emissions radiated outside the specified frequency band

Radiated out-of-band band emissions acc. FCC 47 CFR 15.249 / IC RSS-210				Verdict: PASS
Test according referenced standards		Reference Method		
		FCC 15.249(a),(c),(d),(e) / IC RSS-210 A2.9(a),(b)		
Test according to measurement reference		Reference Method		
		ANSI C63.4		
Test frequency range		Tested frequencies		
		30 MHz – 10 th harmonic		
EUT test mode		Single		
Limits - Harmonics				
Frequency range [MHz]	Detector	Limit [µV/m]	Limit [dBµV/m]	Limit Distance [m]
902 – 928	Quasi-Peak	500	54	3
2400 – 2483.5	Average	500	54	3
5725 - 5875	Average	500	54	3
Limits - General				
Frequency range [MHz]	Detector	Limit [µV/m]	Limit [dBµV/m]	Limit Distance [m]
30 – 88	Quasi-Peak	100	40	3
88 – 216	Quasi-Peak	150	43.5	3
216 – 960	Quasi-Peak	200	46	3
960 – 1000	Quasi-Peak	500	54	3
> 1000	Average	500	54	3
FCC 15.249(e) : for frequencies above 1000 MHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.				
Except the higher order harmonics, emission radiated outside the specified frequency band shall be attenuated by at least 50 dB below the level of the fundamental or to the general field strength limits listed in 15.209 / RSS-Gen, whichever is less stringent.				

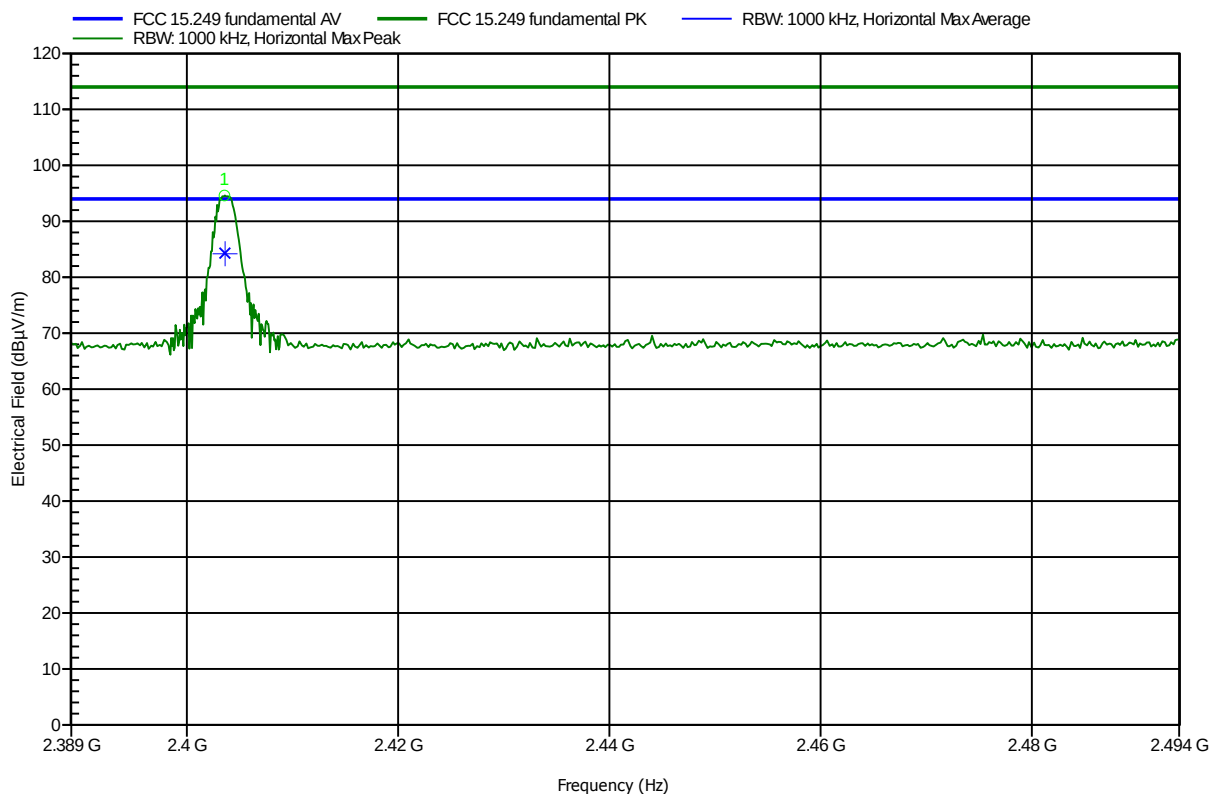
Test setup								
								
Test procedure								
1. EUT set to test mode 2. Span it set according to measurement range 3. Resolution bandwidth below 1 GHz is set according to CISPR 16 with peak/quasi-peak detector and RBW of 1 MHz with peak/average detector is used above 1 GHz 4. Markers are set to maximum emission levels								
Test results								
Channel	Frequency [MHz]	Emission [MHz]	Level [dBμV/m]	Detector	Pol.	Limit [dBμV/m]	Limit distance [m]*	Margin [dB]
F _{LOW}	2403.666	2400	68.60	pk	hor	74.00	3	-05.40
F _{LOW}	2403.666	2400	44.27	avg	hor	54.00	3	-09.73
F _{LOW}	2403.666	2400	59.86	pk	ver	74.00	3	-14.14
F _{LOW}	2403.666	2400	29.32	avg	ver	54.00	3	-24.68
F _{LOW}	2403.666	4800	47.66	pk	hor	74.00	3	-26.34
F _{MID}	2430.326	No significant spurious emissions						
F _{HIGH}	2453.654	2484	52.80	pk	hor	74.00	3	-21.20
F _{HIGH}	2453.654	2484	24.76	avg	hor	54.00	3	-29.24
F _{HIGH}	2453.654	4904	47.73	pk	ver	54.00	3	-06.27
F _{HIGH}	2453.654	4908	51.14	pk	hor	74.00	3	-22.86
F _{HIGH}	2453.654	4908	45.46	avg	hor	54.00	3	-08.54
F _{HIGH}	2453.654	7361	52.59	pk	hor	74.00	3	-21.41
F _{HIGH}	2453.654	7361	43.88	avg	hor	54.00	3	-10.12
Comments: * Physical distance between EUT and measurement antenna.								

ANNEX A Fundamental field strength emissions

Carrier power (Field Strength); according to FCC 15.249

Order number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Mode: Tx; ch.1
 Test Date: 2013-02-13

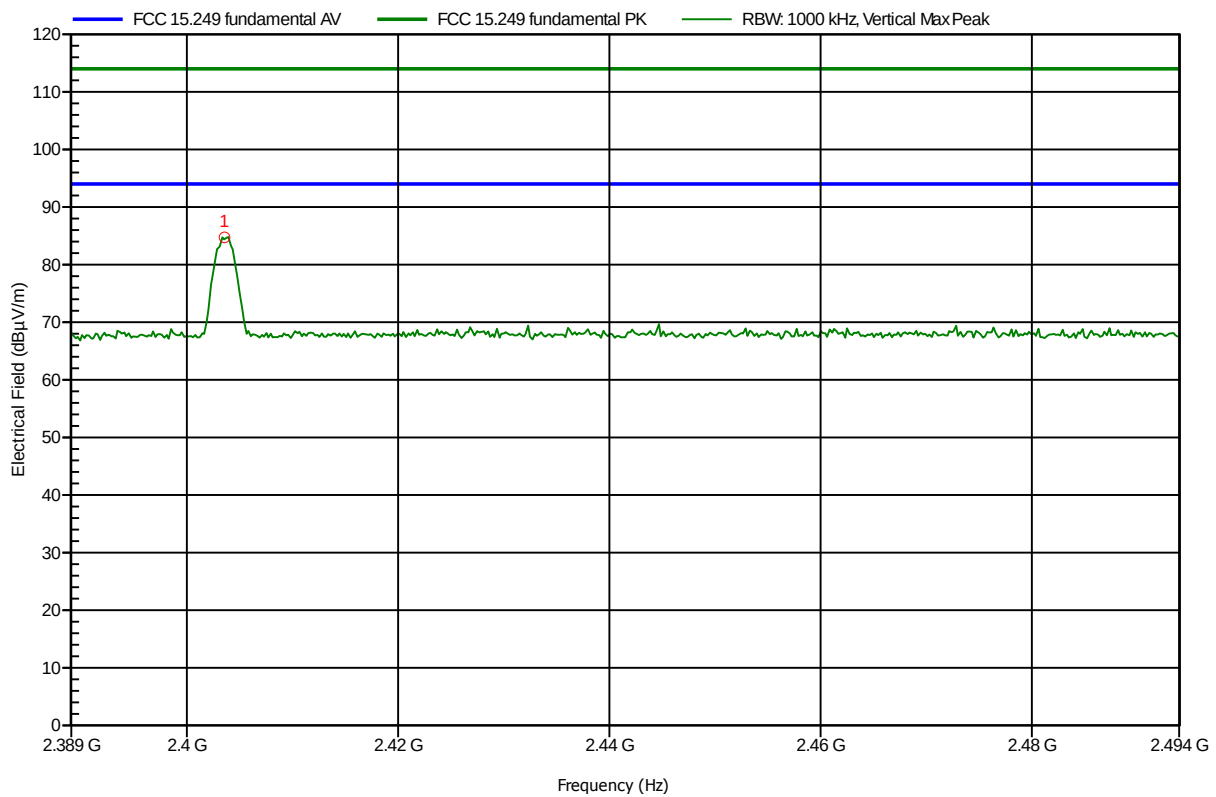


Frequency	Peak	Peak Limit	Peak Difference	Status
2.404 GHz	94.61 dBµV/m	114 dBµV/m	-19.39 dB	Pass
Frequency	Average	Average Limit	Average Difference	Average Status
2.404 GHz	84.32 dBµV/m	94 dBµV/m	-9.68 dB	Pass

Carrier power (Field Strength); according to FCC 15.249

Order number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Mode: Tx; ch.1
 Test Date: 2013-02-13

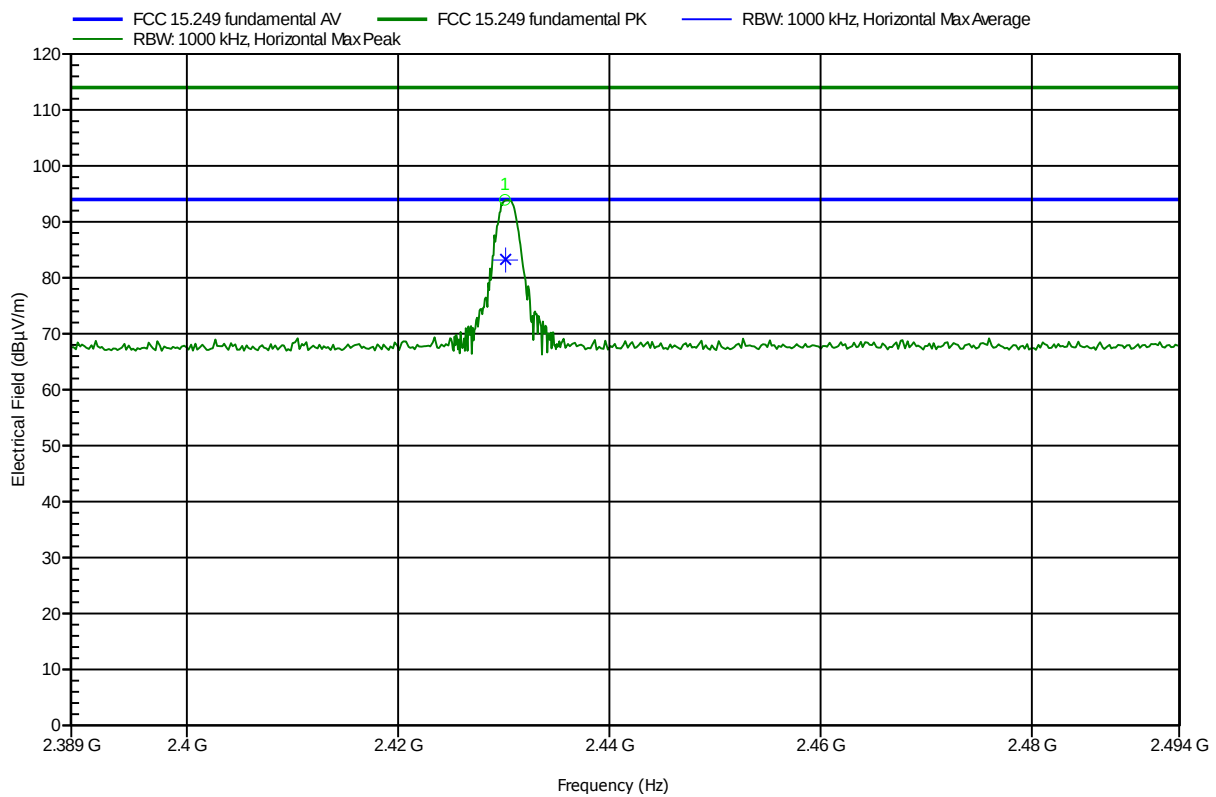


Frequency	Peak	Peak Limit	Peak Difference	Status
2.404 GHz	84.73 dBµV/m	114 dBµV/m	-29.27 dB	Pass

Carrier power (Field Strength); according to FCC 15.249

Order number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Mode: Tx; ch.17
 Test Date: 2013-02-13

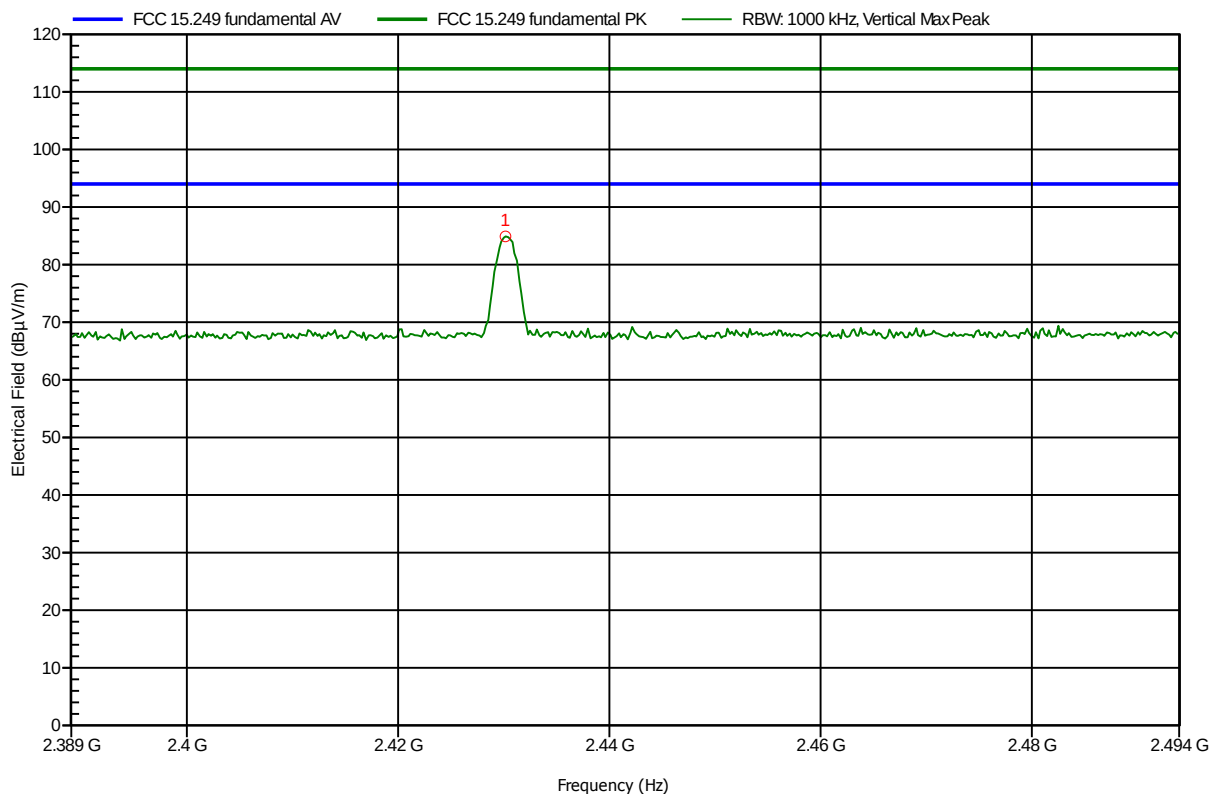


Frequency	Peak	Peak Limit	Peak Difference	Status
2.43 GHz	93.93 dBµV/m	114 dBµV/m	-20.07 dB	Pass
Frequency	Average	Average Limit	Average Difference	Average Status
2.43 GHz	83.29 dBµV/m	94 dBµV/m	-10.71 dB	Pass

Carrier power (Field Strength); according to FCC 15.249

Order number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Mode: Tx; ch.17
 Test Date: 2013-02-13

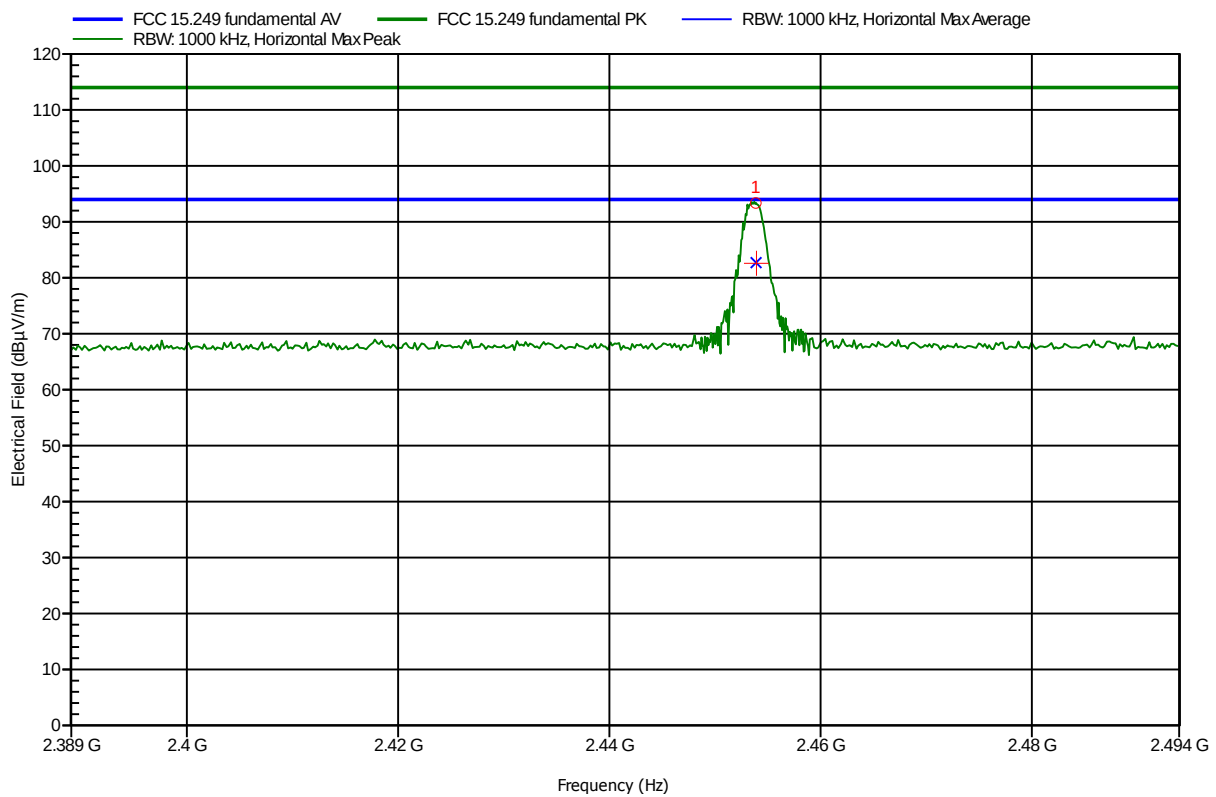


Frequency	Peak	Peak Limit	Peak Difference	Status
2.43 GHz	84.9 dBµV/m	114 dBµV/m	-29.1 dB	Pass

Carrier power (Field Strength); according to FCC 15.249

Order number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Mode: Tx; ch.31
 Test Date: 2013-02-13

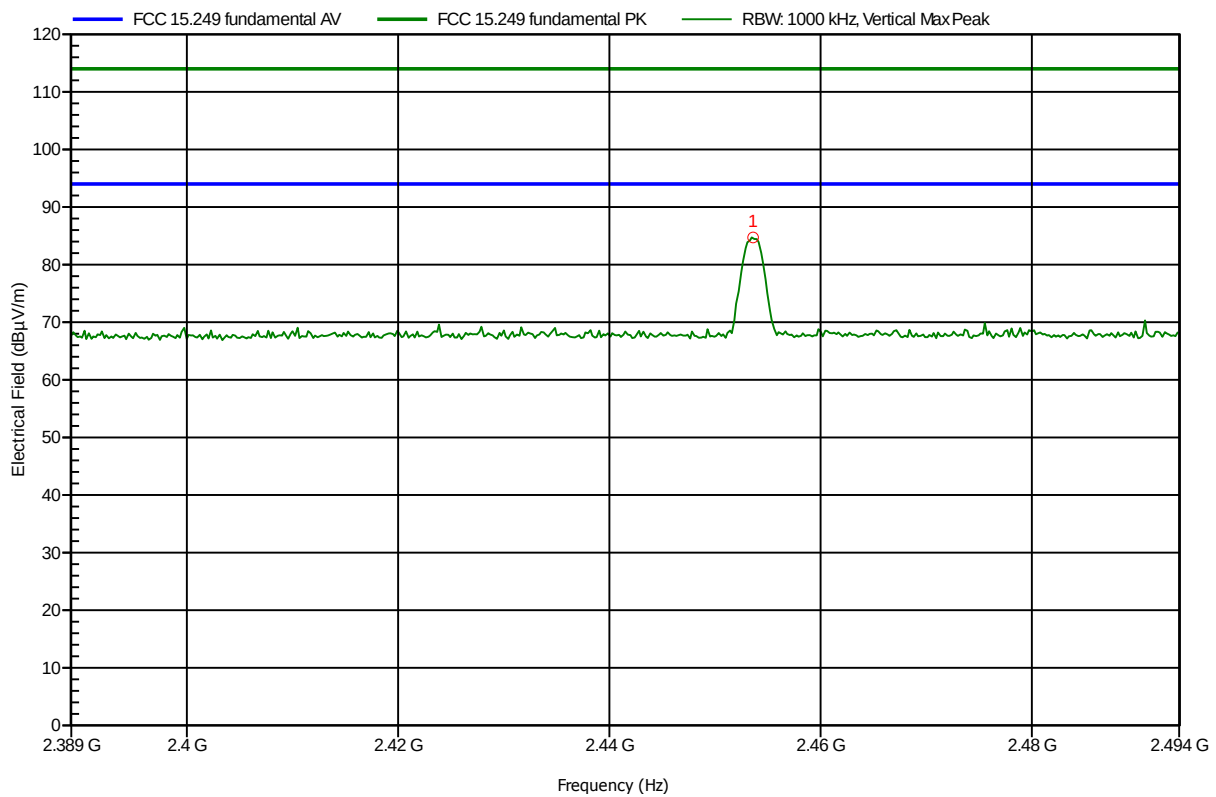


Frequency 2.454 GHz	Peak 93.37 dBµV/m	Peak Limit 114 dBµV/m	Peak Difference -20.63 dB	Status Pass
Frequency 2.454 GHz	Average 82.7 dBµV/m	Average Limit 94 dBµV/m	Average Difference -11.3 dB	Average Status Pass

Carrier power (Field Strength); according to FCC 15.249

Order number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Mode: Tx; ch.31
 Test Date: 2013-02-13



Frequency	Peak	Peak Limit	Peak Difference	Status
2.454 GHz	84.71 dBµV/m	114 dBµV/m	-29.29 dB	Pass

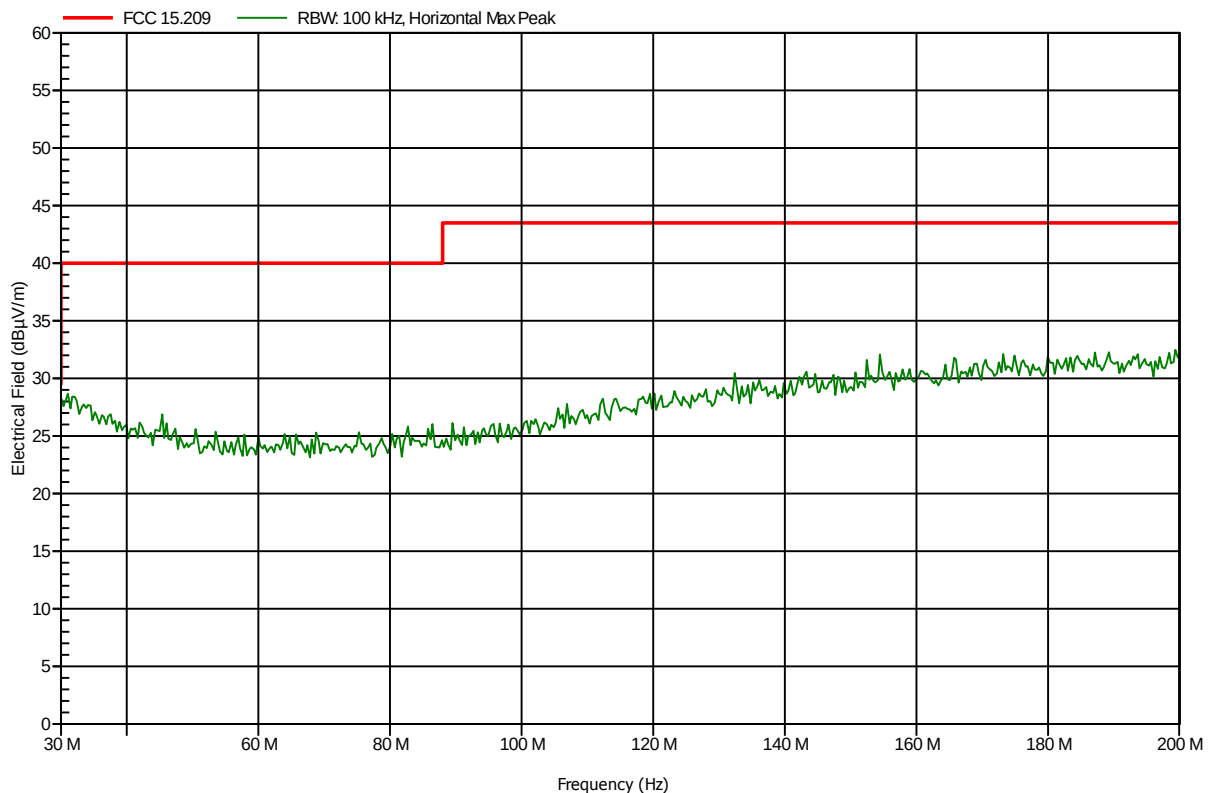
ANNEX B Transmitter spurious emissions

Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Rohde & Schwarz HK 116, Horizontal
 Measurement distance: 3 m
 Mode: TX; ch.1
 Test Date: 2013-02-13
 Note: worst case

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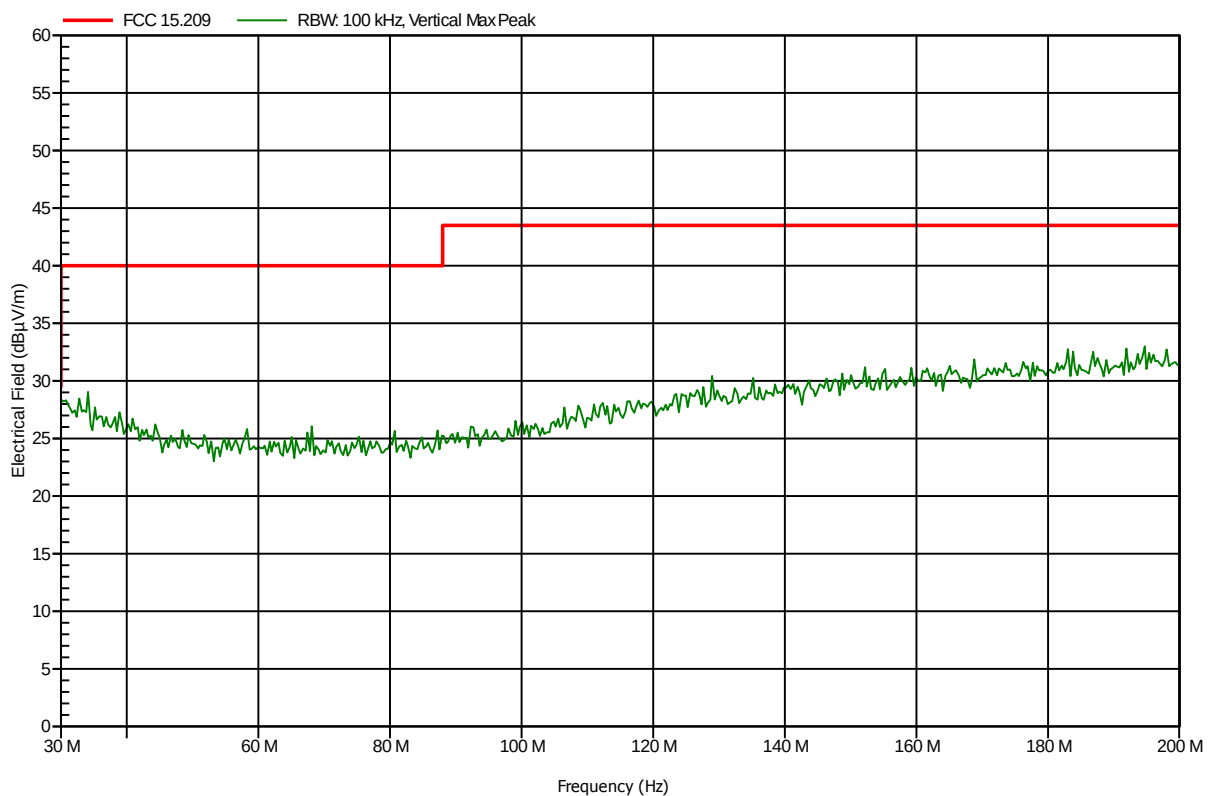


Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Rohde & Schwarz HK 116, Vertical
 Measurement distance: 3 m
 Mode: TX; ch.1
 Test Date: 2013-02-13
 Note: worst case

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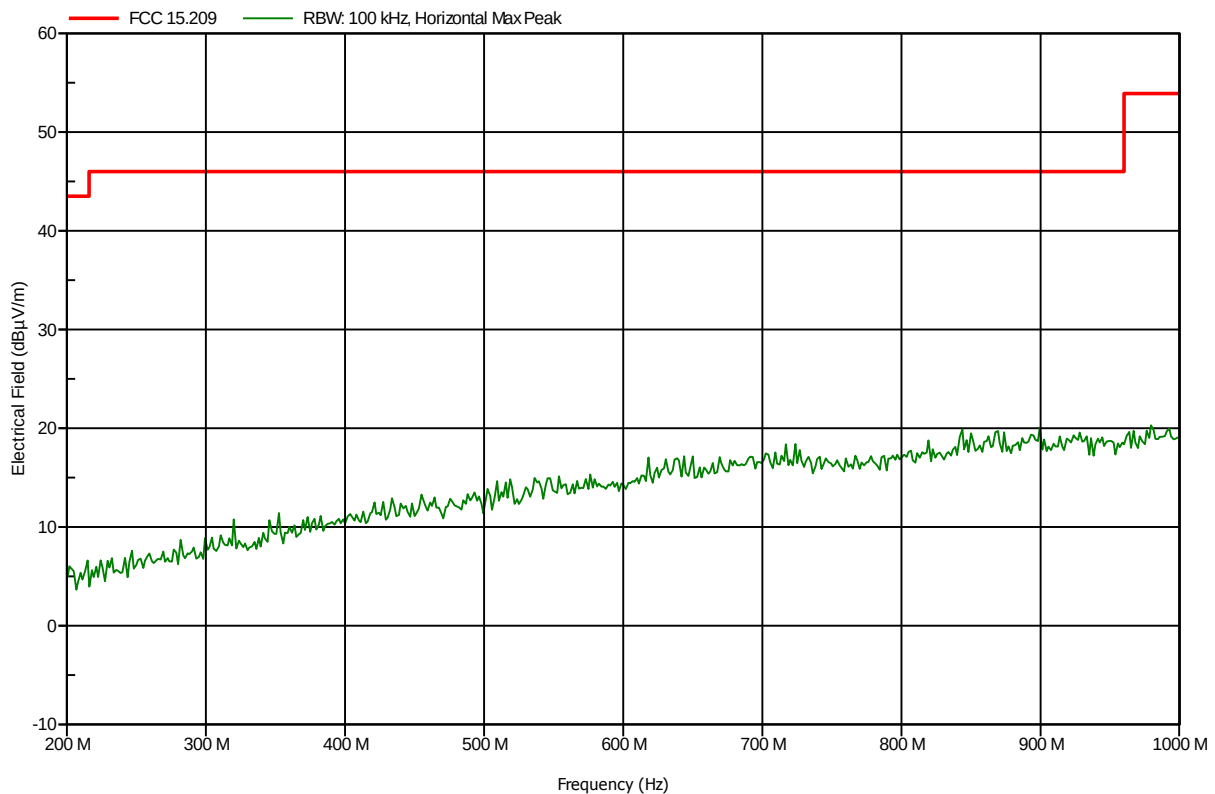


Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Rohde & Schwarz HL 223, Horizontal
 Measurement distance: 3 m
 Mode: TX; ch.1
 Test Date: 2013-02-13
 Note: worst case

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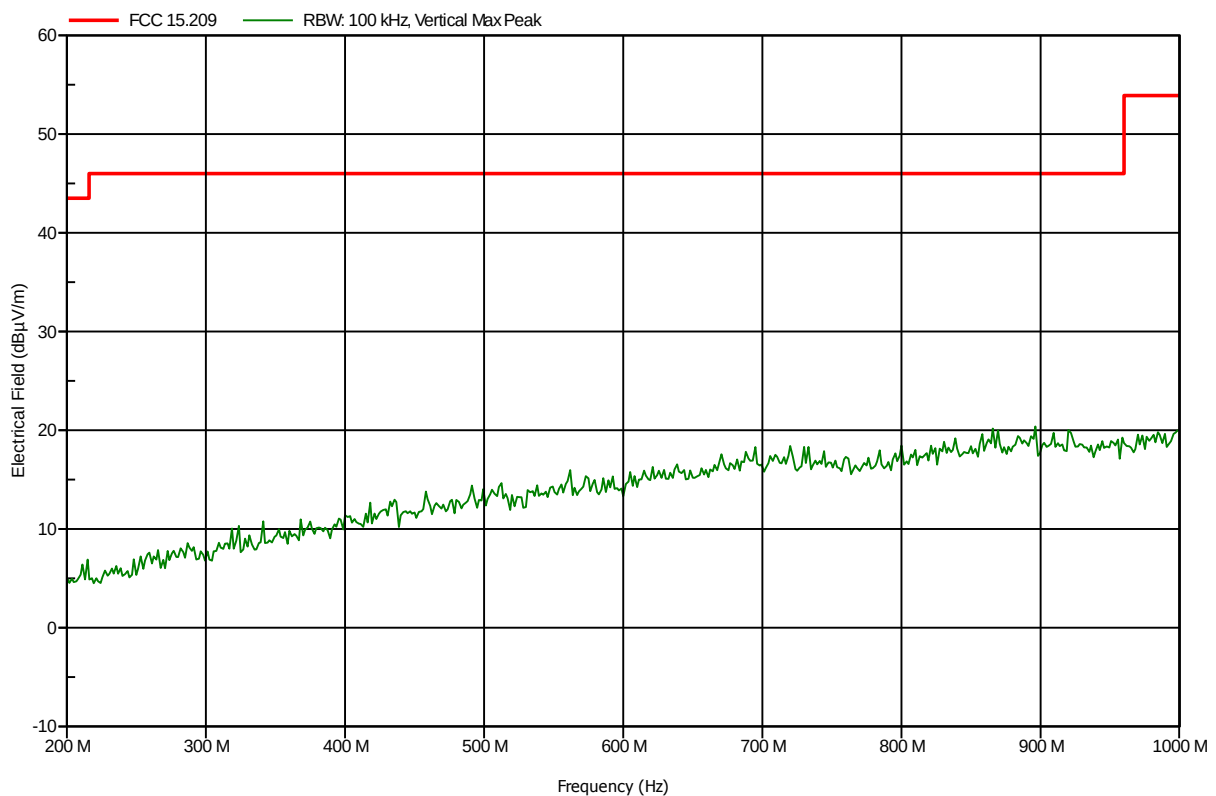


Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Rohde & Schwarz HL 223, Vertical
 Measurement distance: 3 m
 Mode: TX; ch.1
 Test Date: 2013-02-13
 Note: worst case

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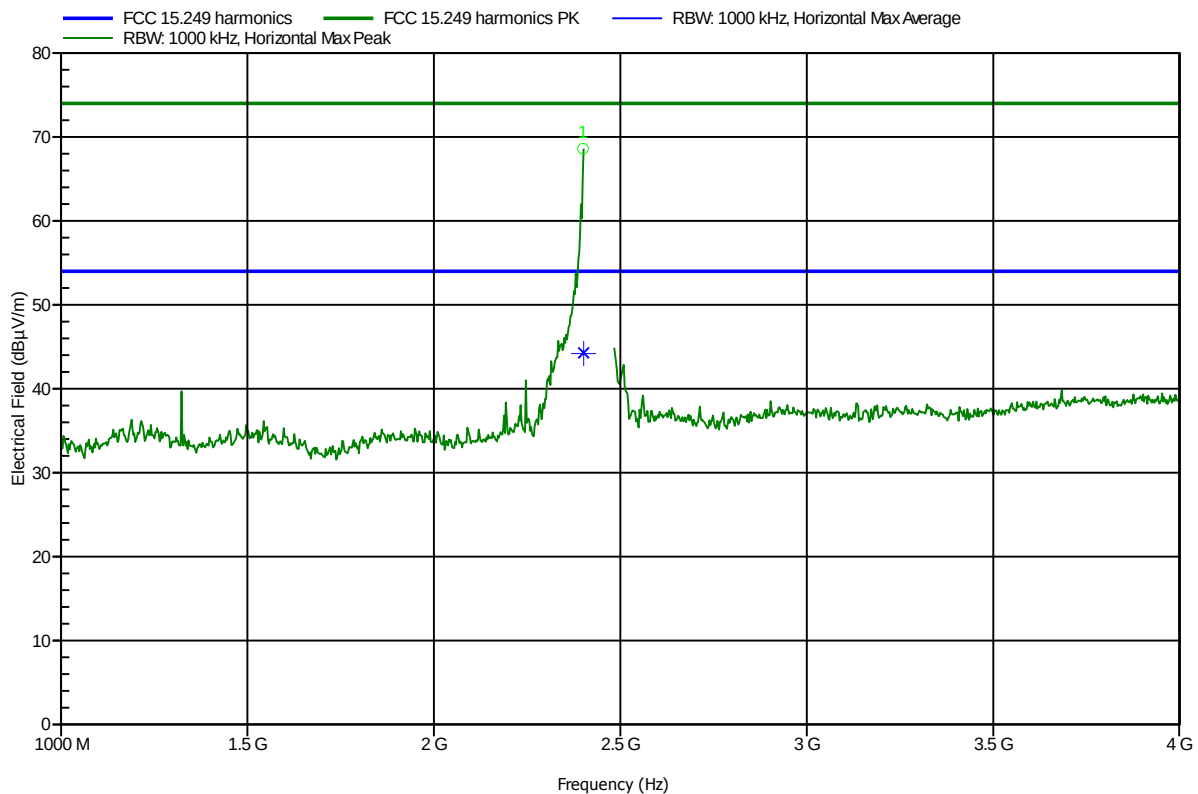


Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3 m
 Mode: TX; ch.1
 Test Date: 2013-02-13
 Note:

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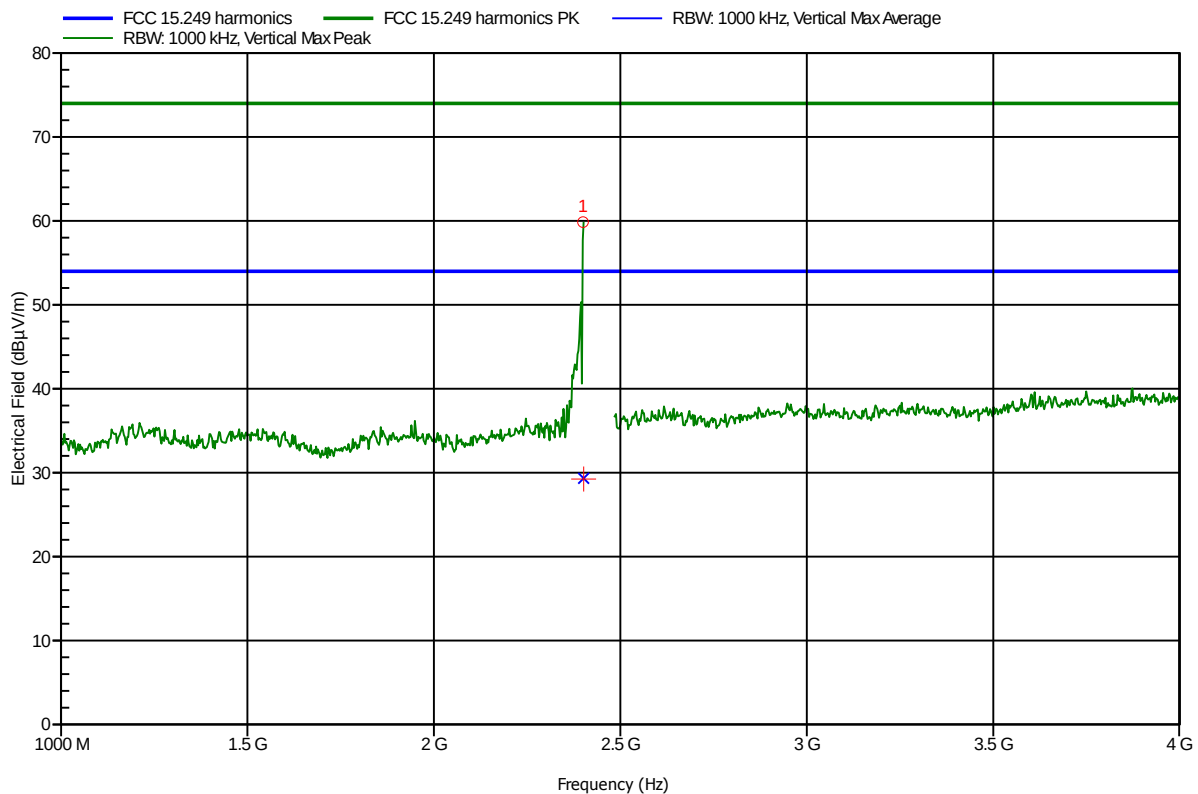
Frequency 2.4 GHz	Peak 68.6 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -5.4 dB	Peak Status Pass
Frequency 2.4 GHz	Average 44.27 dBµV/m	Average Limit 54 dBµV/m	Average Difference -9.73 dB	Average Status Pass

Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 3 m
 Mode: TX; ch.1
 Test Date: 2013-02-13
 Note:

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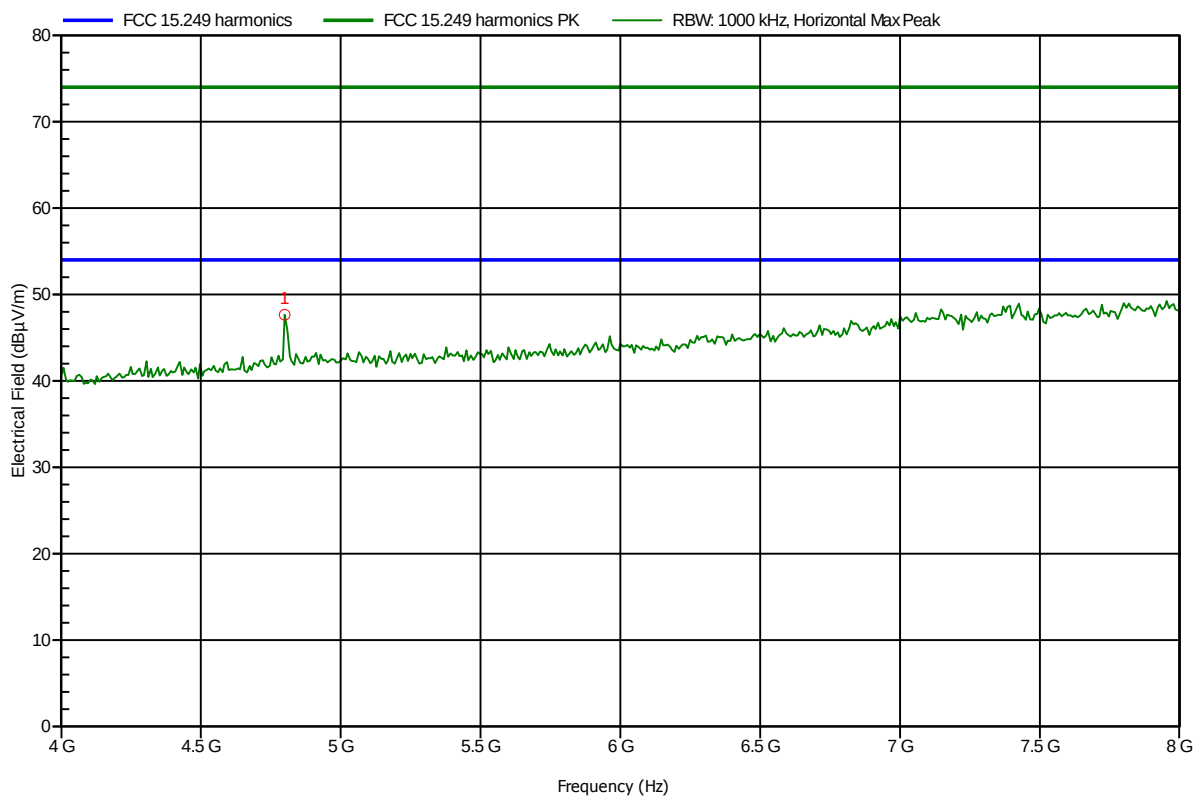
Frequency 2.4 GHz	Peak 59.86 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -14.14 dB	Peak Status Pass
Frequency 2.4 GHz	Average 29.32 dBµV/m	Average Limit 54 dBµV/m	Average Difference -24.68 dB	Average Status Pass

Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3 m
 Mode: TX; ch.1
 Test Date: 2013-02-13
 Note:

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Frequency	Peak	Peak Limit	Peak Difference	Peak Status
4.8 GHz	47.66 dBμV/m	74 dBμV/m	-26.34 dB	Pass

Test Report No.: G0M-1212-2467-TFC249D-V01

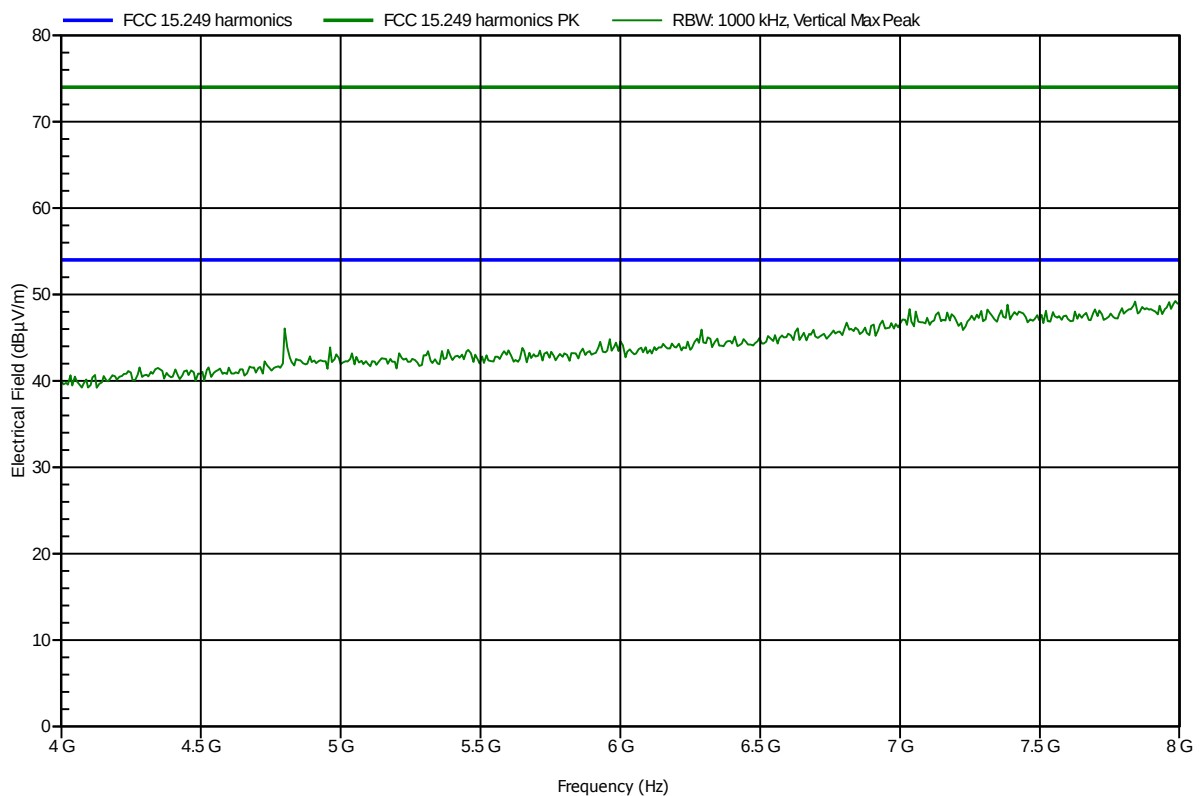
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 3 m
 Mode: TX; ch.1
 Test Date: 2013-02-13
 Note:

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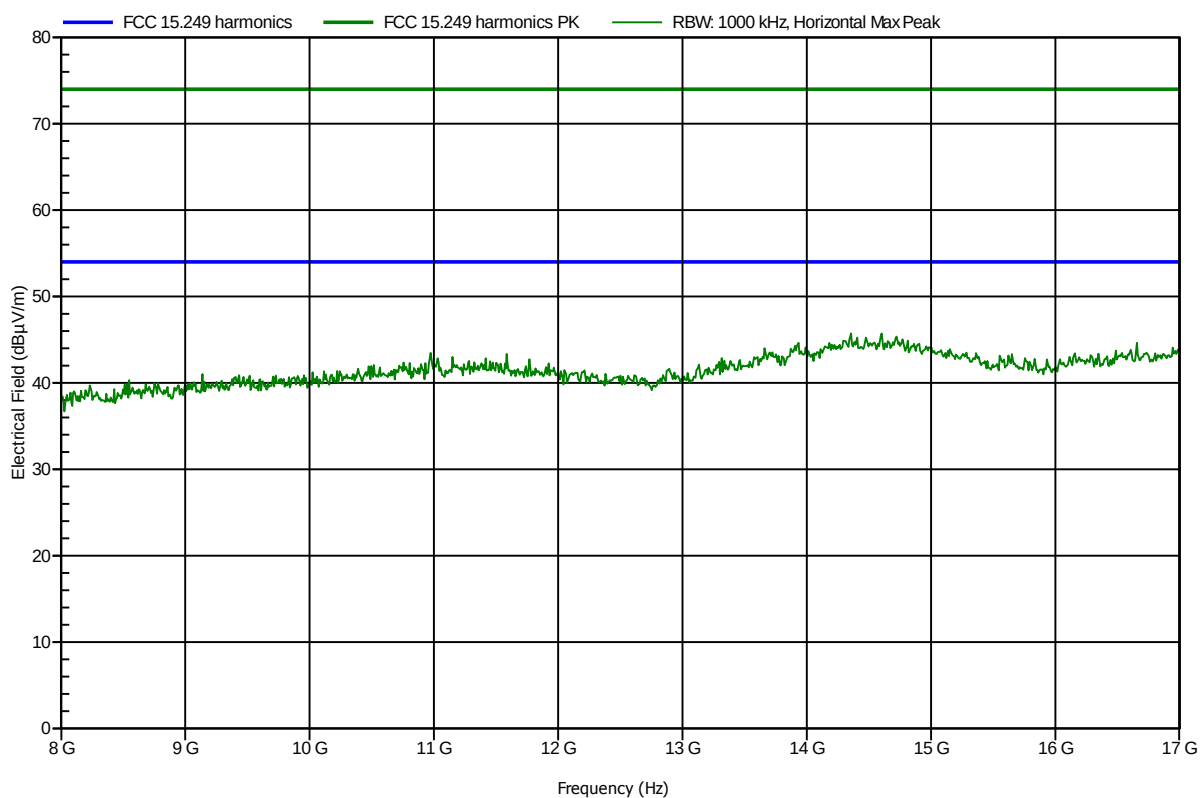


Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 100 cm converted to 3m
 Mode: TX; ch.1
 Test Date: 2013-02-13
 Note:

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Test Report No.: G0M-1212-2467-TFC249D-V01

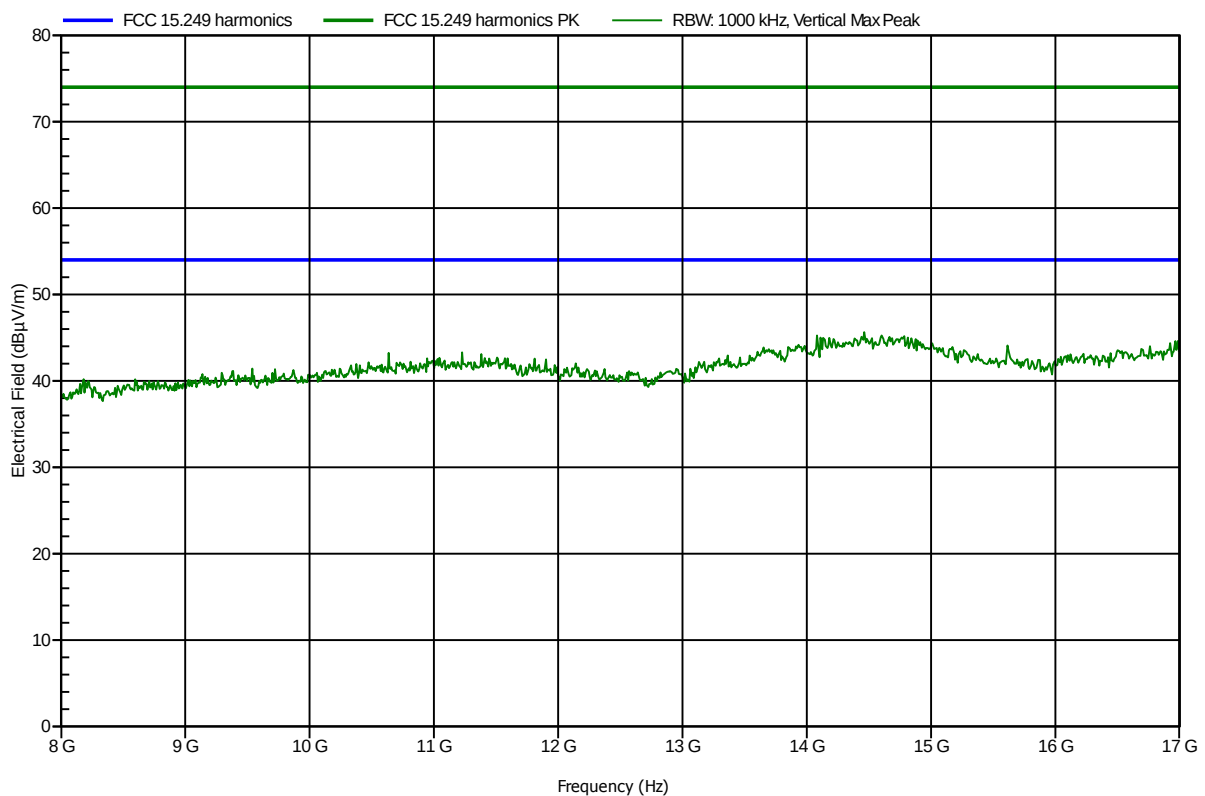
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 100 cm converted to 3m
 Mode: TX; ch.1
 Test Date: 2013-02-13
 Note:

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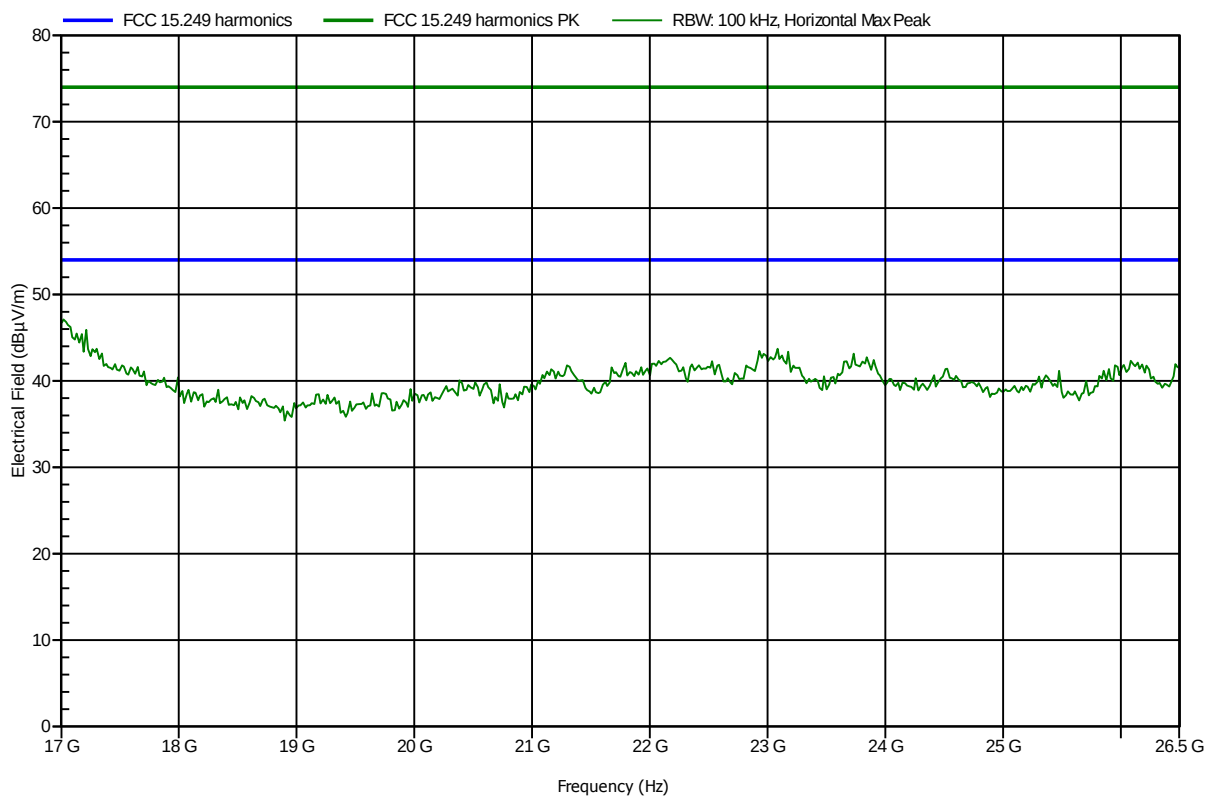


Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Rohde & Schwarz HL 025, Horizontal
 Measurement distance: 100 cm converted to 3m
 Mode: TX; ch.1
 Test Date: 2013-02-13
 Note:

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Test Report No.: G0M-1212-2467-TFC249D-V01

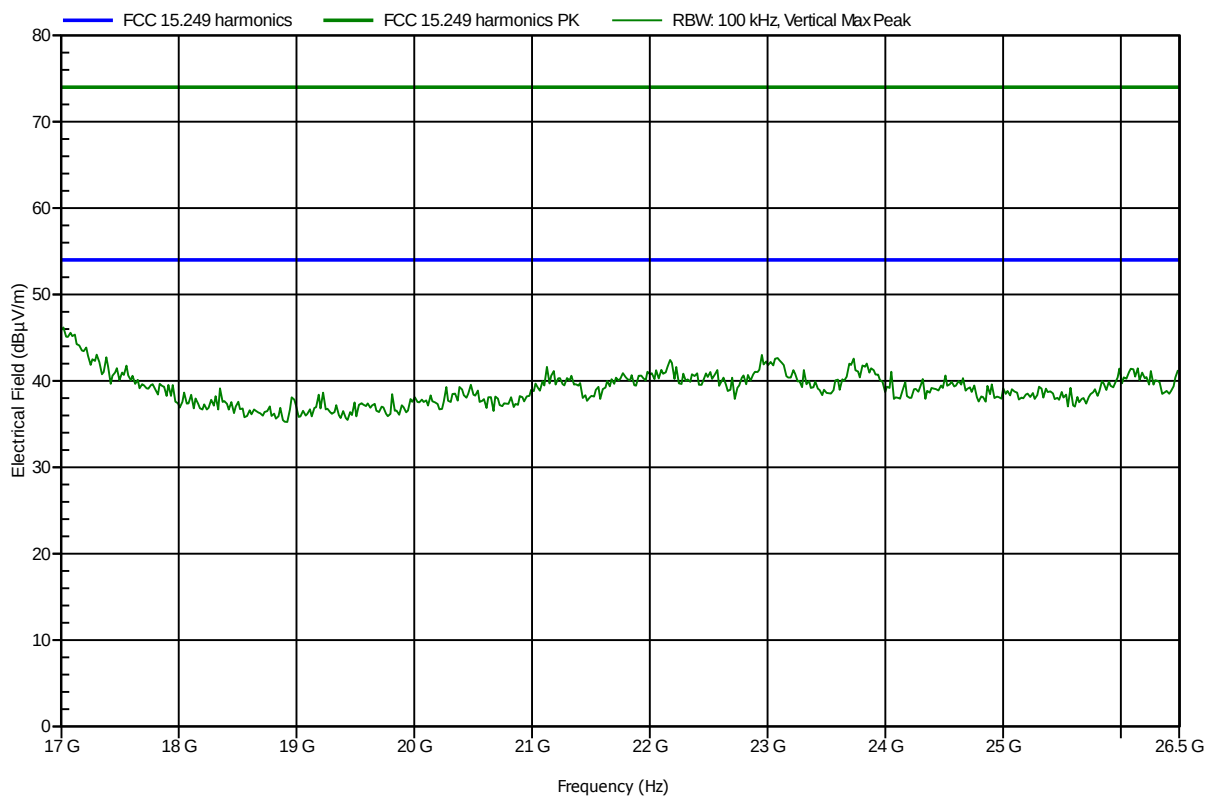
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Rohde & Schwarz HL 025, Vertical
 Measurement distance: 100 cm converted to 3m
 Mode: TX; ch.1
 Test Date: 2013-02-13
 Note:

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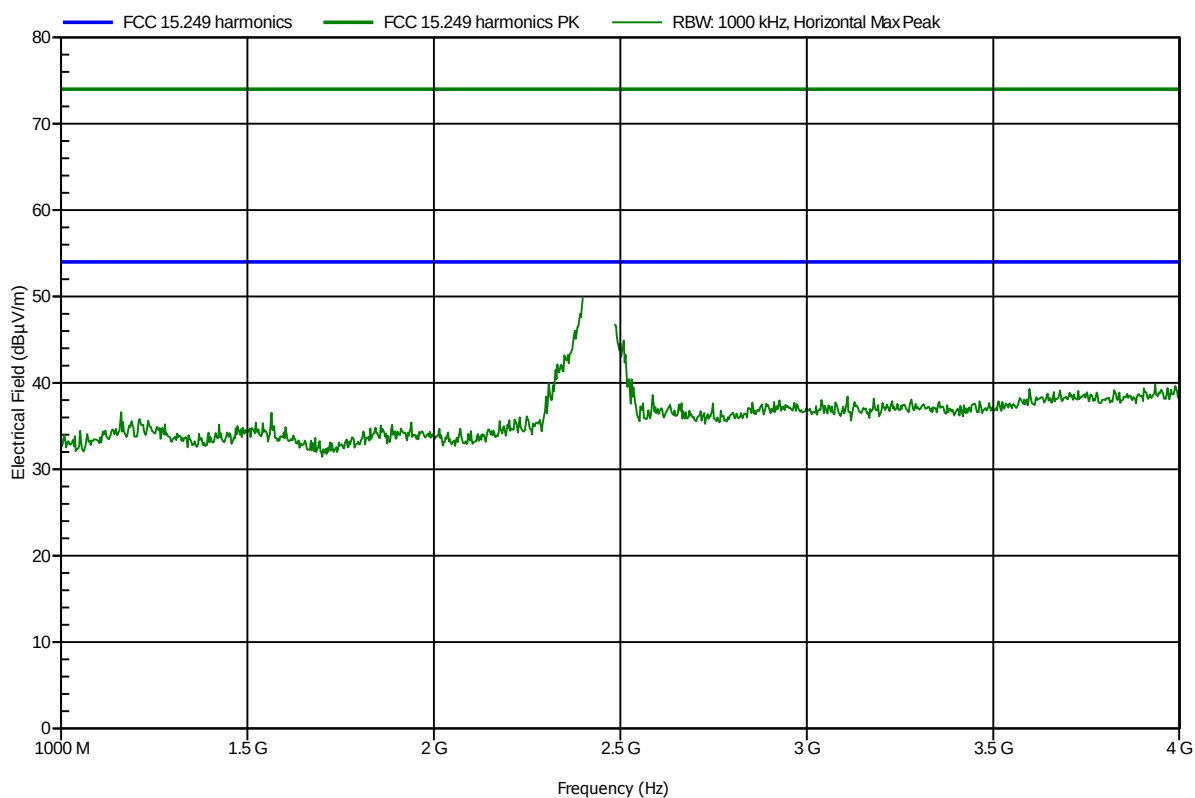


Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3 m
 Mode: TX; ch.17
 Test Date: 2013-02-13
 Note:

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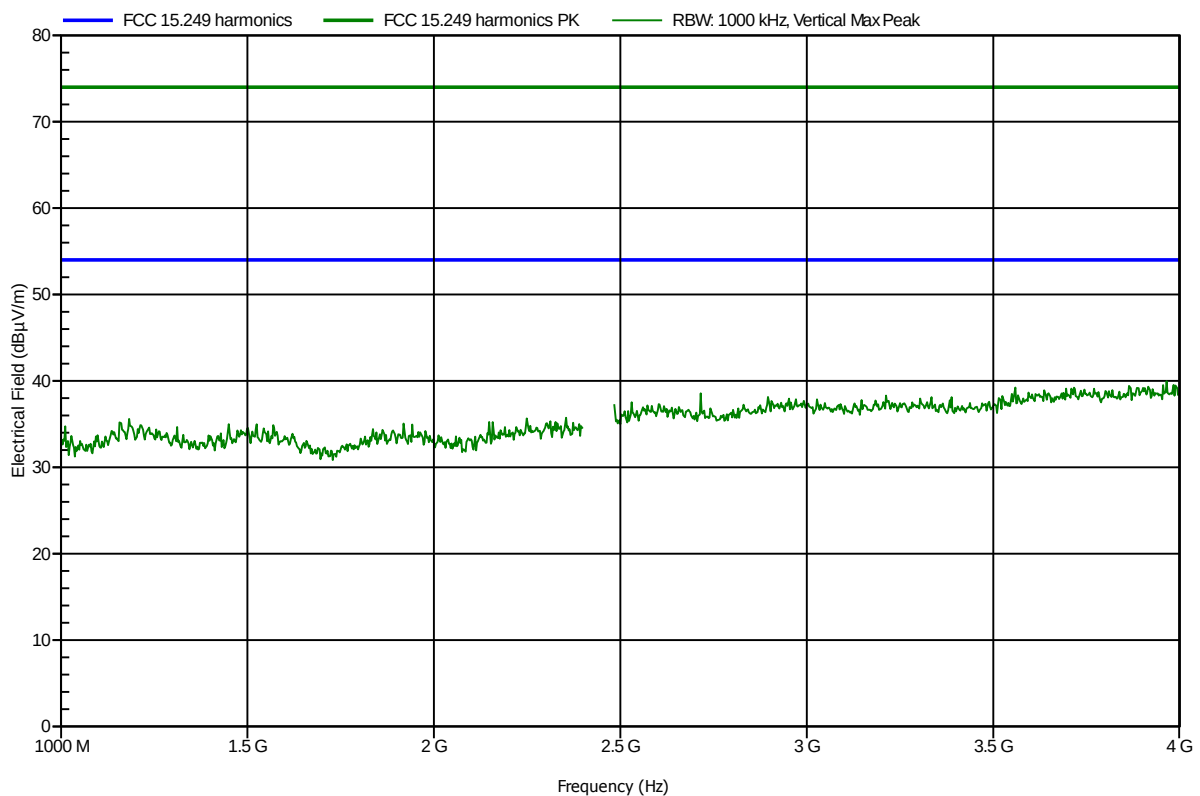


Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 3 m
 Mode: TX; ch.17
 Test Date: 2013-02-13
 Note:

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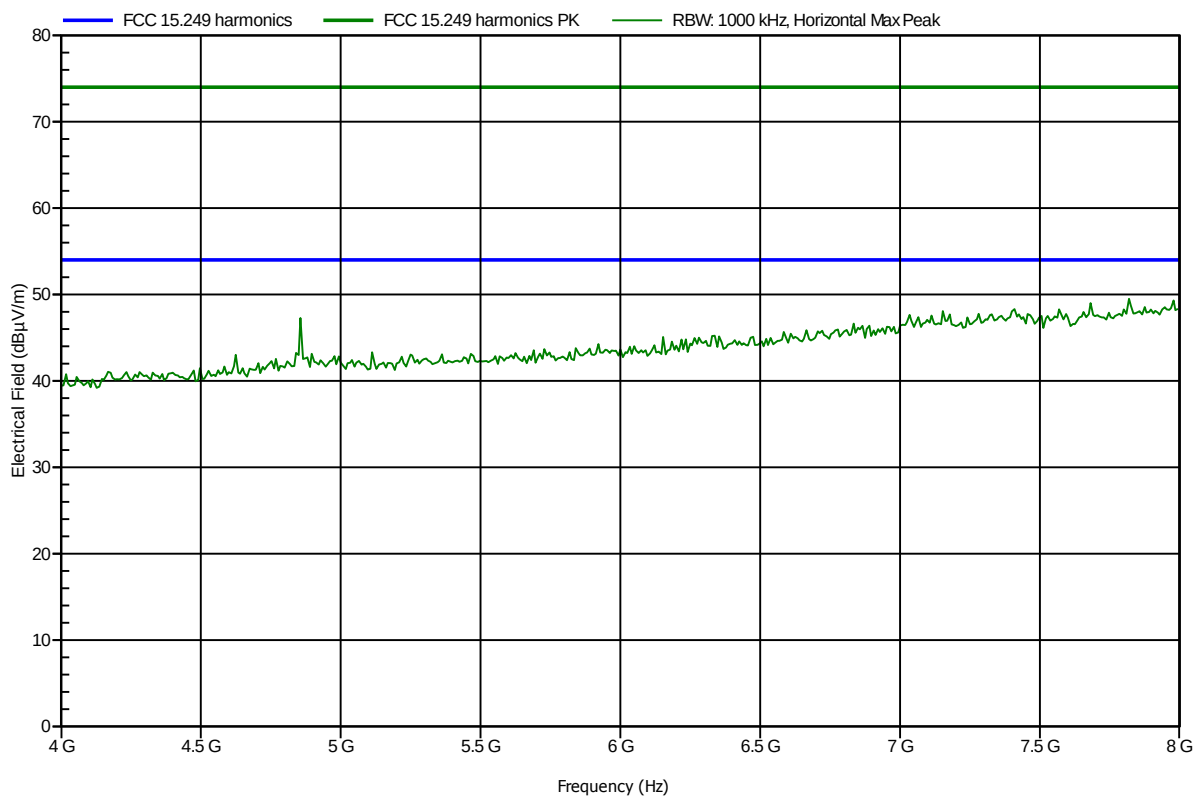


Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3 m
 Mode: TX; ch.17
 Test Date: 2013-02-13
 Note:

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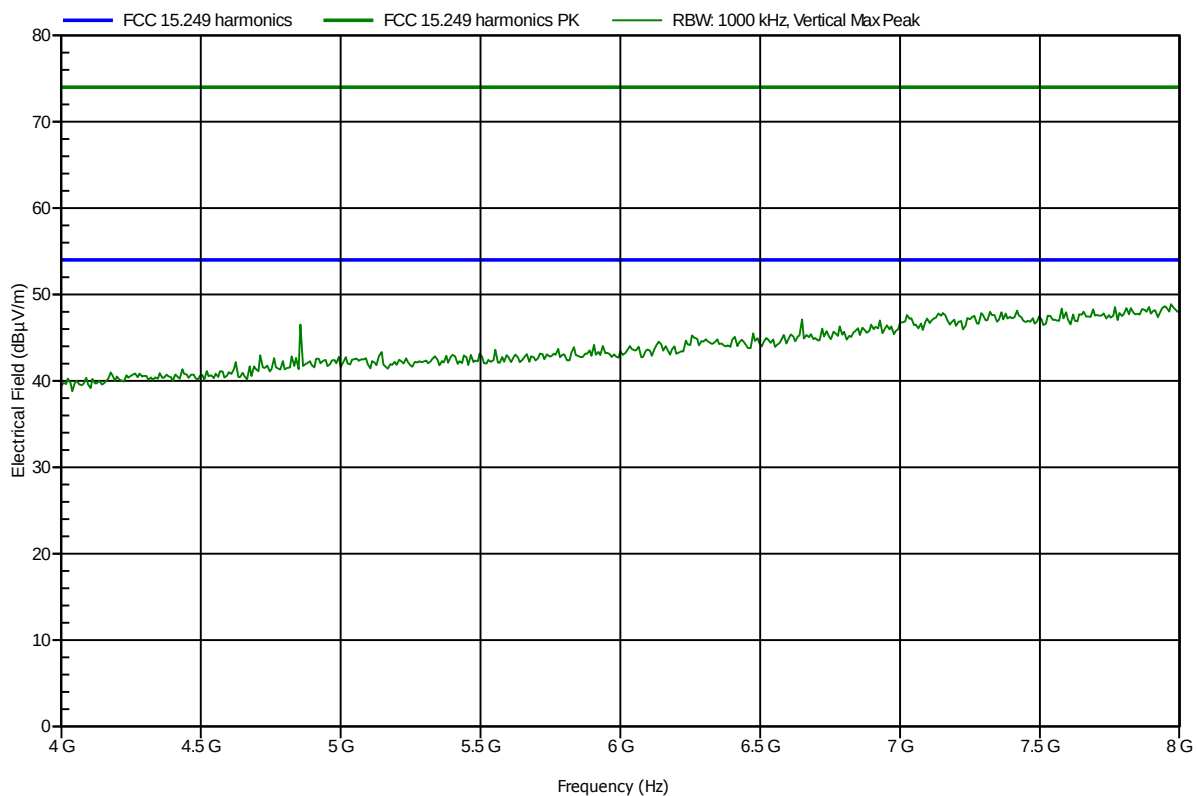


Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 3 m
 Mode: TX; ch.17
 Test Date: 2013-02-13
 Note:

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Test Report No.: G0M-1212-2467-TFC249D-V01

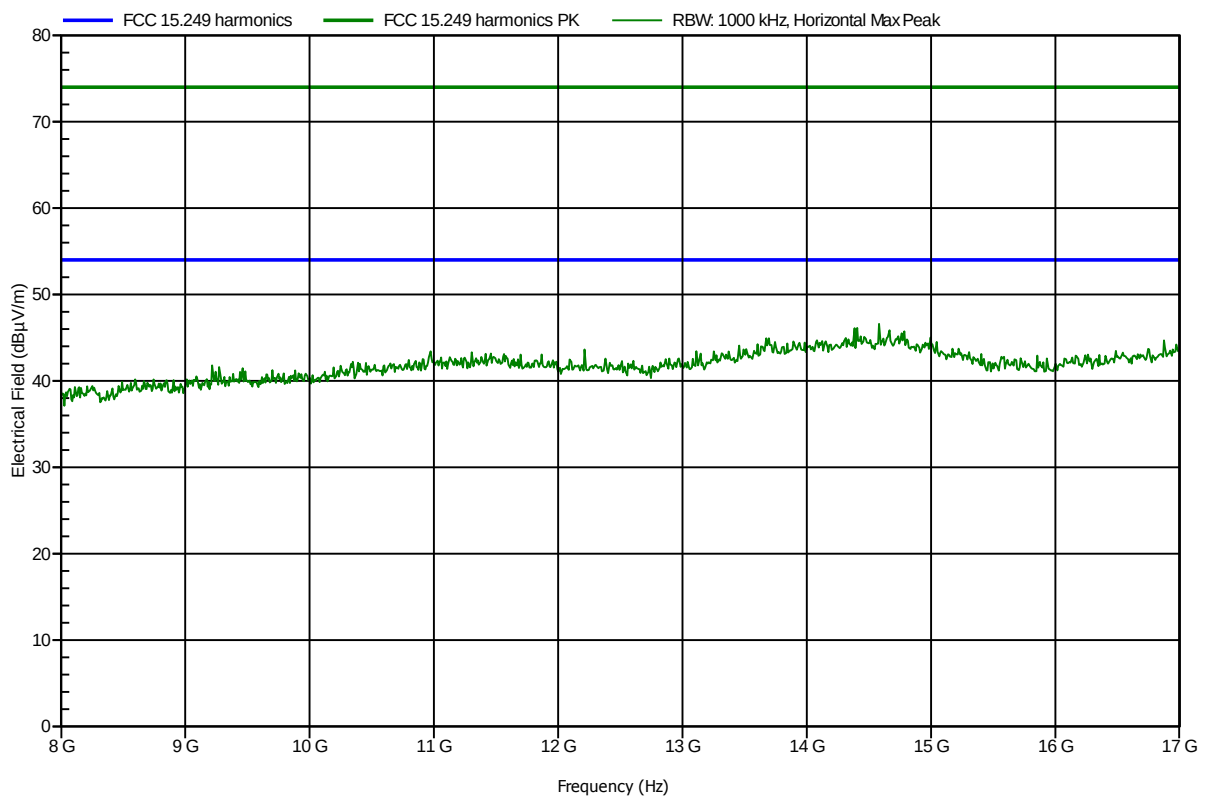
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 100 cm converted to 3m
 Mode: TX; ch.17
 Test Date: 2013-02-13
 Note:

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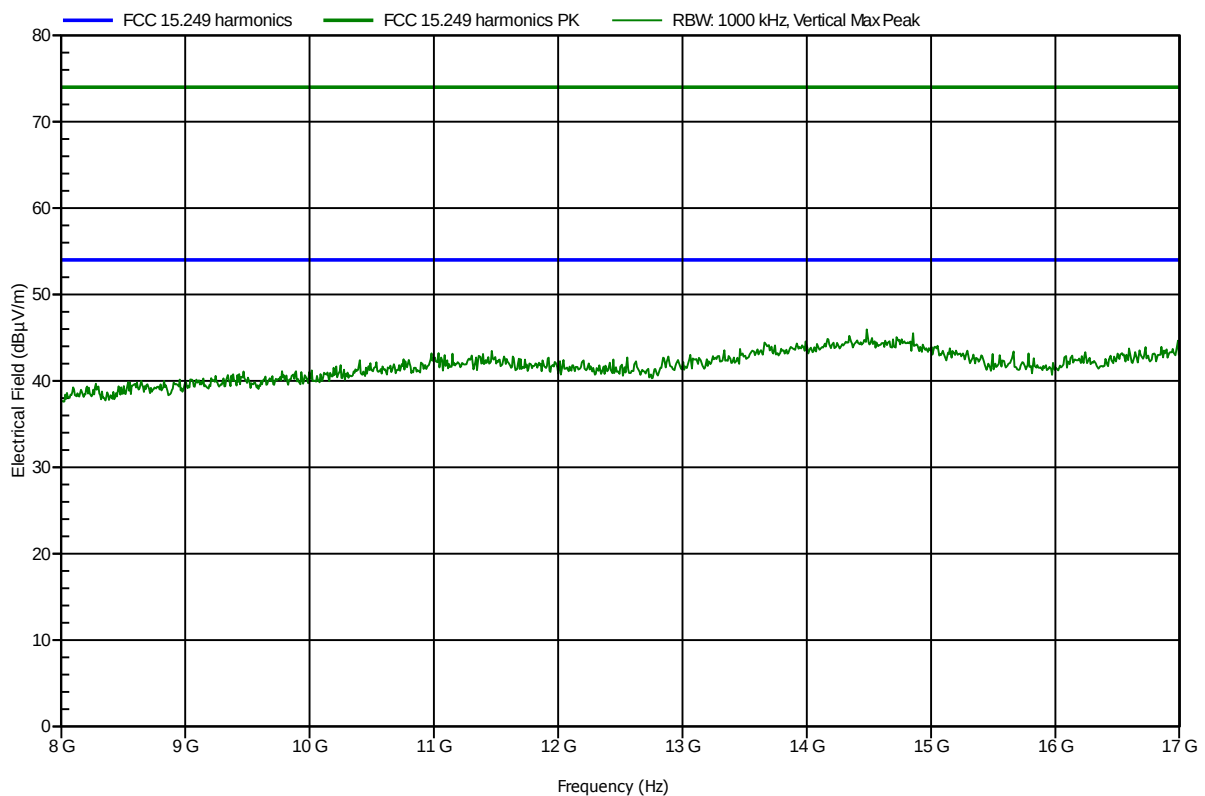


Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 100 cm converted to 3m
 Mode: TX; ch.17
 Test Date: 2013-02-13
 Note:

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Test Report No.: G0M-1212-2467-TFC249D-V01

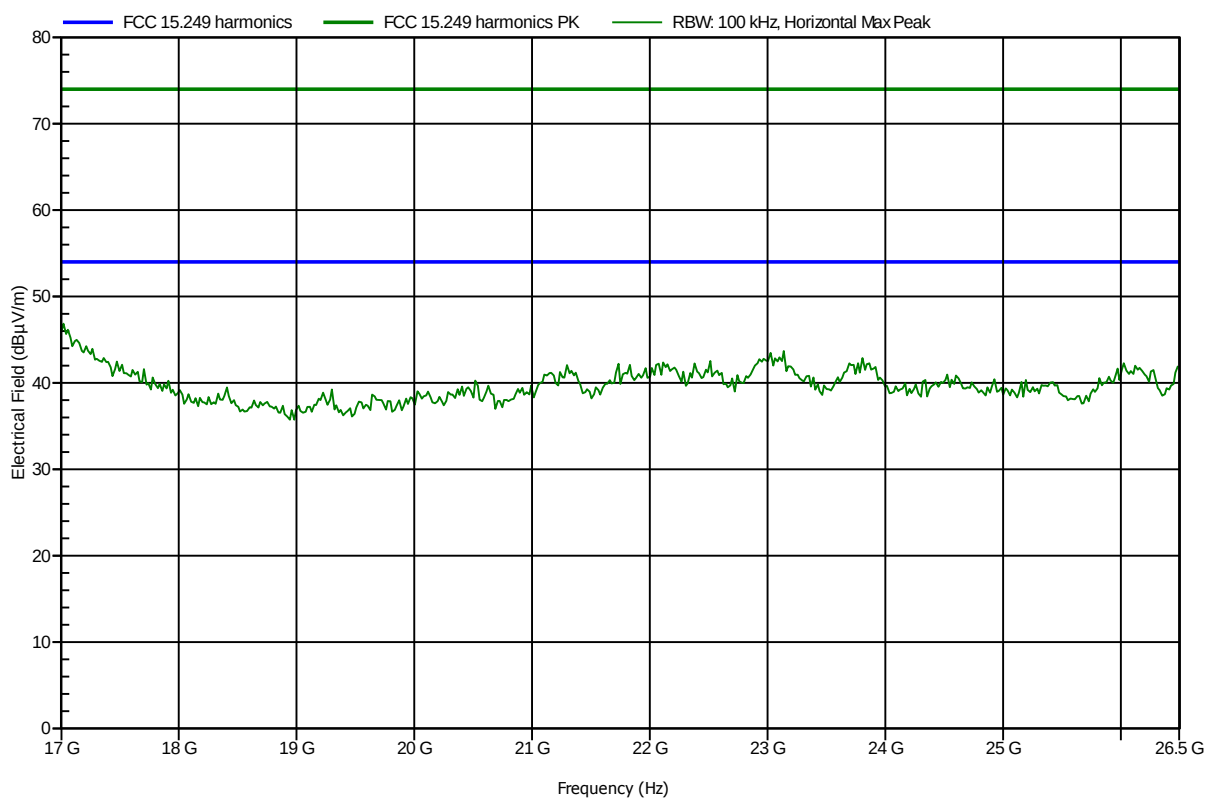
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Rohde & Schwarz HL 025, Horizontal
 Measurement distance: 100 cm converted to 3m
 Mode: TX; ch.17
 Test Date: 2013-02-13
 Note:

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Test Report No.: G0M-1212-2467-TFC249D-V01

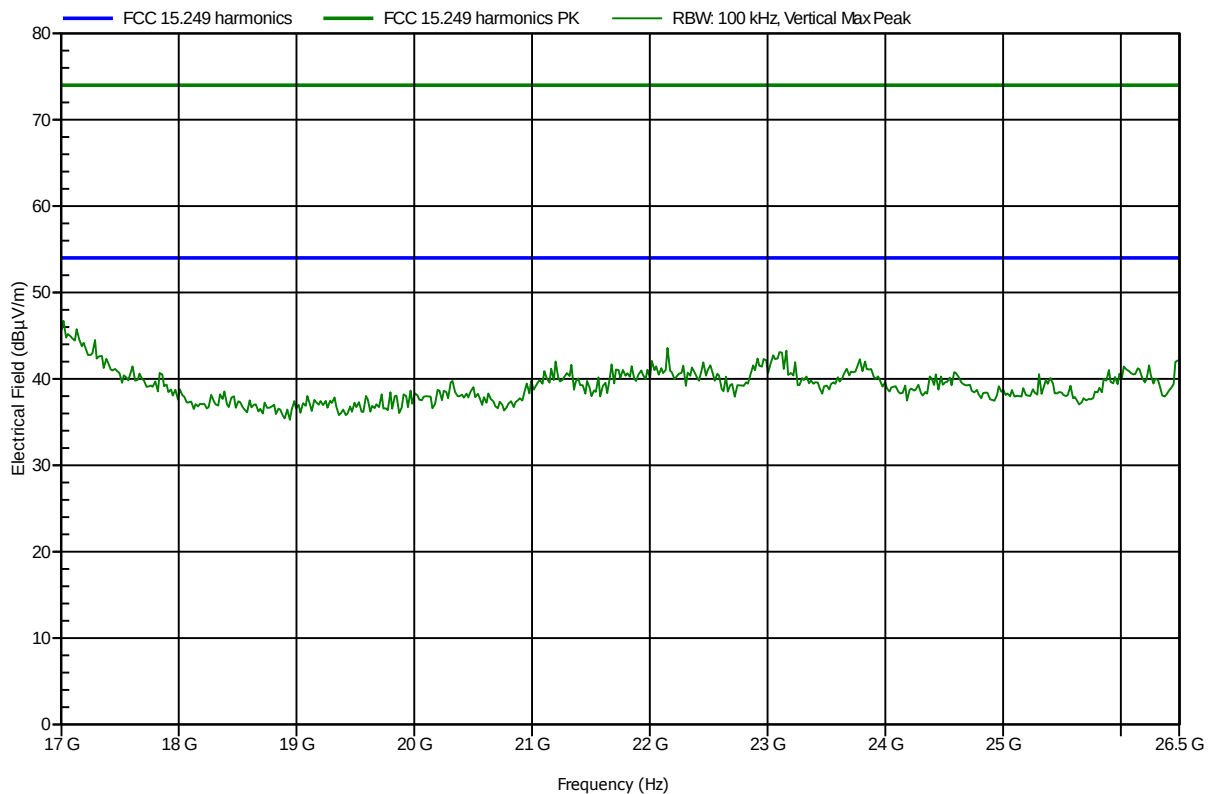
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Rohde & Schwarz HL 025, Vertical
 Measurement distance: 100 cm converted to 3m
 Mode: TX; ch.17
 Test Date: 2013-02-13
 Note:

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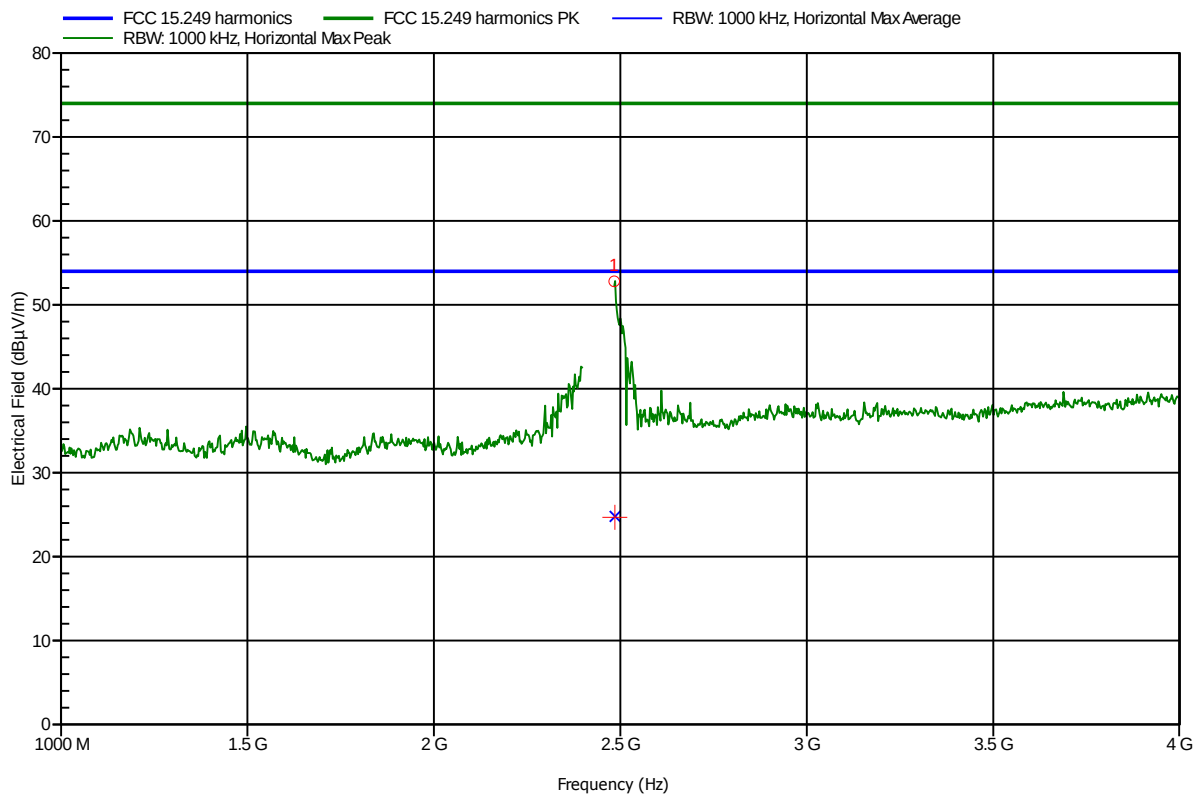


Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3 m
 Mode: TX; ch.31
 Test Date: 2013-02-13
 Note:

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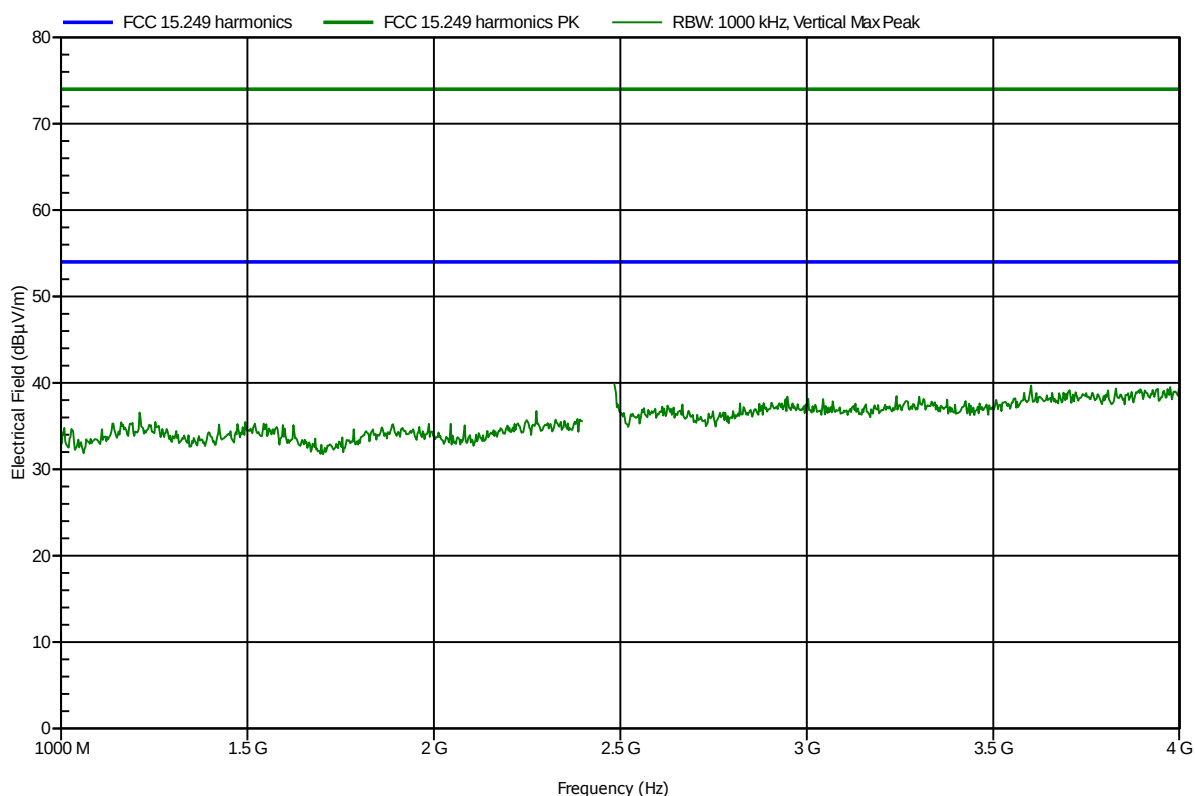
Frequency 2.484 GHz	Peak 52.8 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -21.2 dB	Peak Status Pass
Frequency 2.484 GHz	Average 24.76 dBµV/m	Average Limit 54 dBµV/m	Average Difference -29.24 dB	Average Status Pass

Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 3 m
 Mode: TX; ch.31
 Test Date: 2013-02-13
 Note:

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Test Report No.: G0M-1212-2467-TFC249D-V01

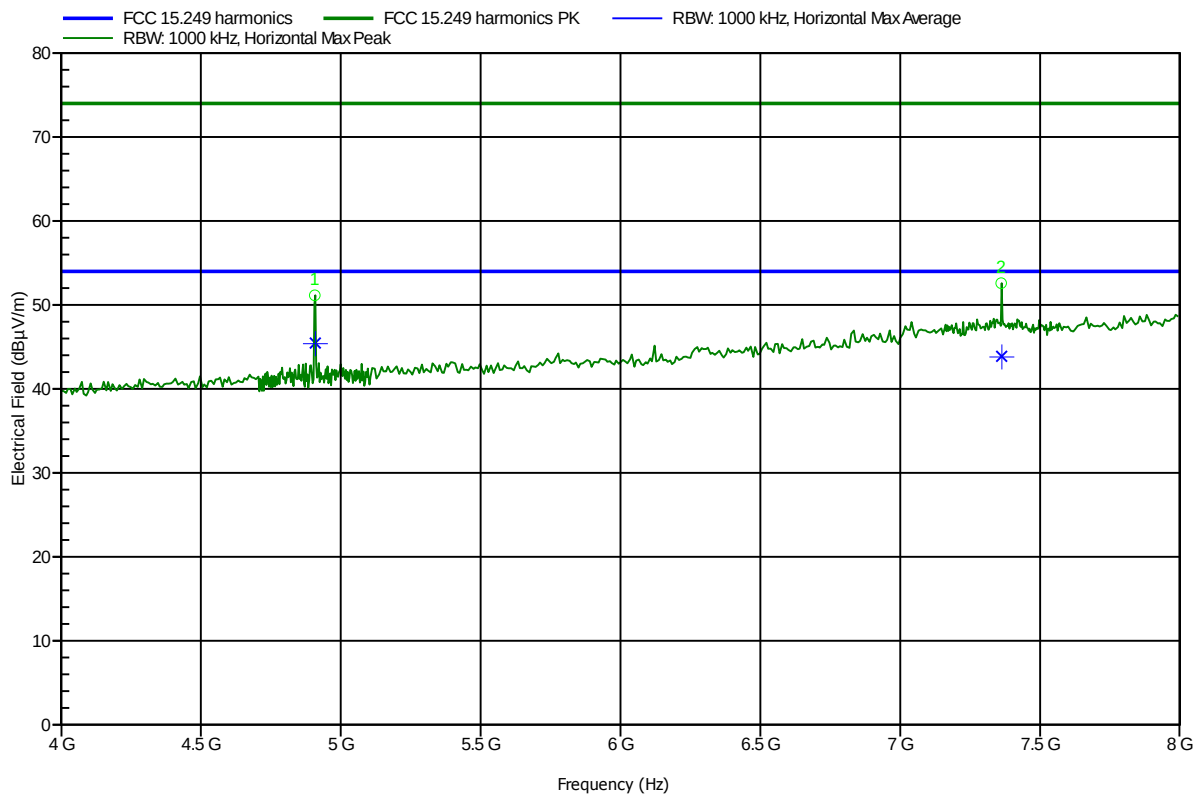
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3 m
 Mode: TX; ch.31
 Test Date: 2013-02-13
 Note:

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Frequency	Peak	Peak Limit	Peak Difference	Peak Status
4.908 GHz	51.14 dBμV/m	74 dBμV/m	-22.86 dB	Pass
7.361 GHz	52.59 dBμV/m	74 dBμV/m	-21.41 dB	Pass

Frequency	Average	Average Limit	Average Difference	Average Status
4.908 GHz	45.46 dBμV/m	54 dBμV/m	-8.54 dB	Pass
7.361 GHz	43.88 dBμV/m	54 dBμV/m	-10.12 dB	Pass

Test Report No.: G0M-1212-2467-TFC249D-V01

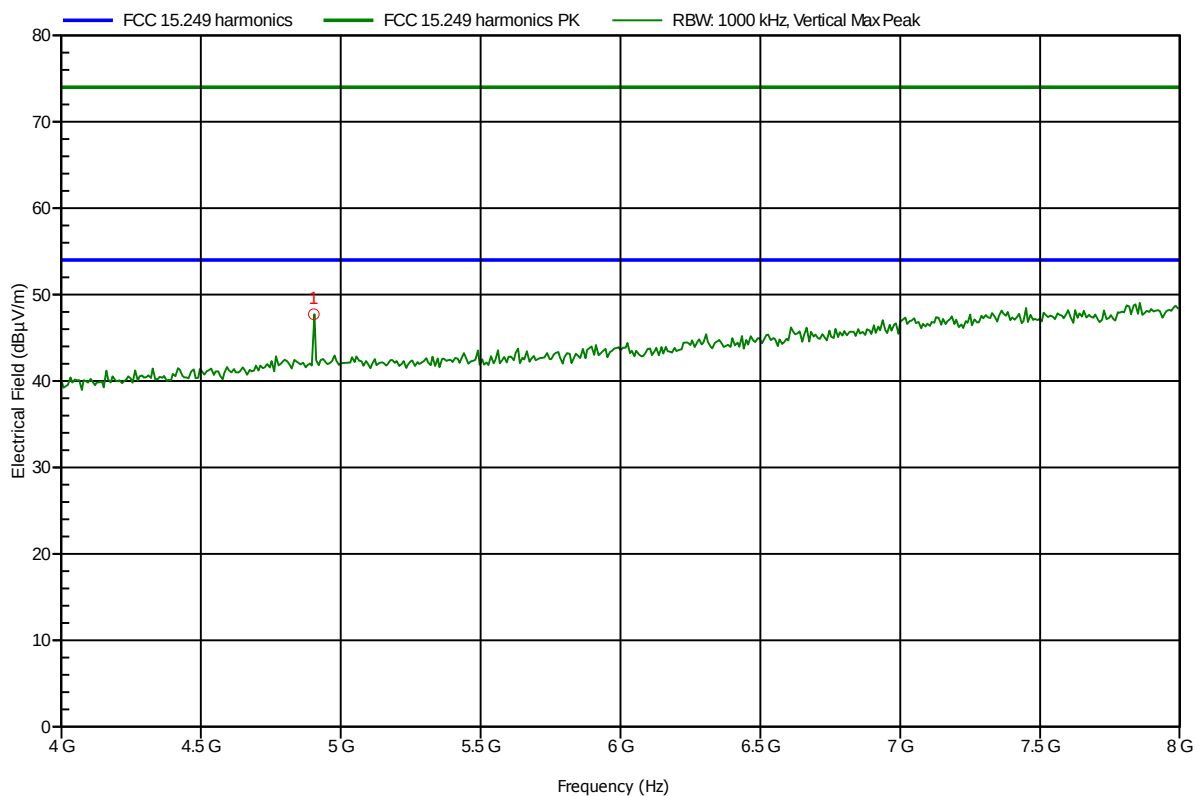
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 3 m
 Mode: TX; ch.31
 Test Date: 2013-02-13
 Note:

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Frequency	Peak	Peak Limit	Peak Difference	Peak Status
4.904 GHz	47.73 dBμV/m	54 dBμV/m	-6.27 dB	Pass

Test Report No.: G0M-1212-2467-TFC249D-V01

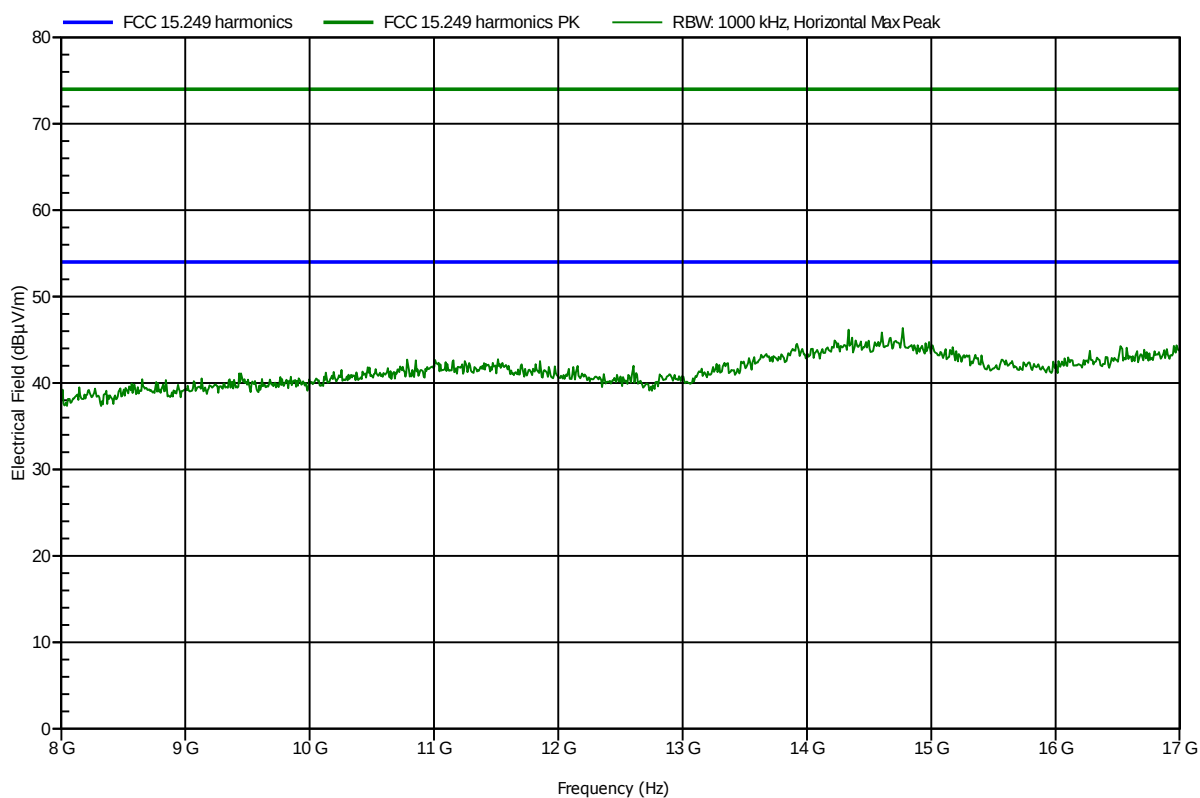
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 100 cm converted to 3m
 Mode: TX; ch.31
 Test Date: 2013-02-13
 Note:

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Test Report No.: G0M-1212-2467-TFC249D-V01

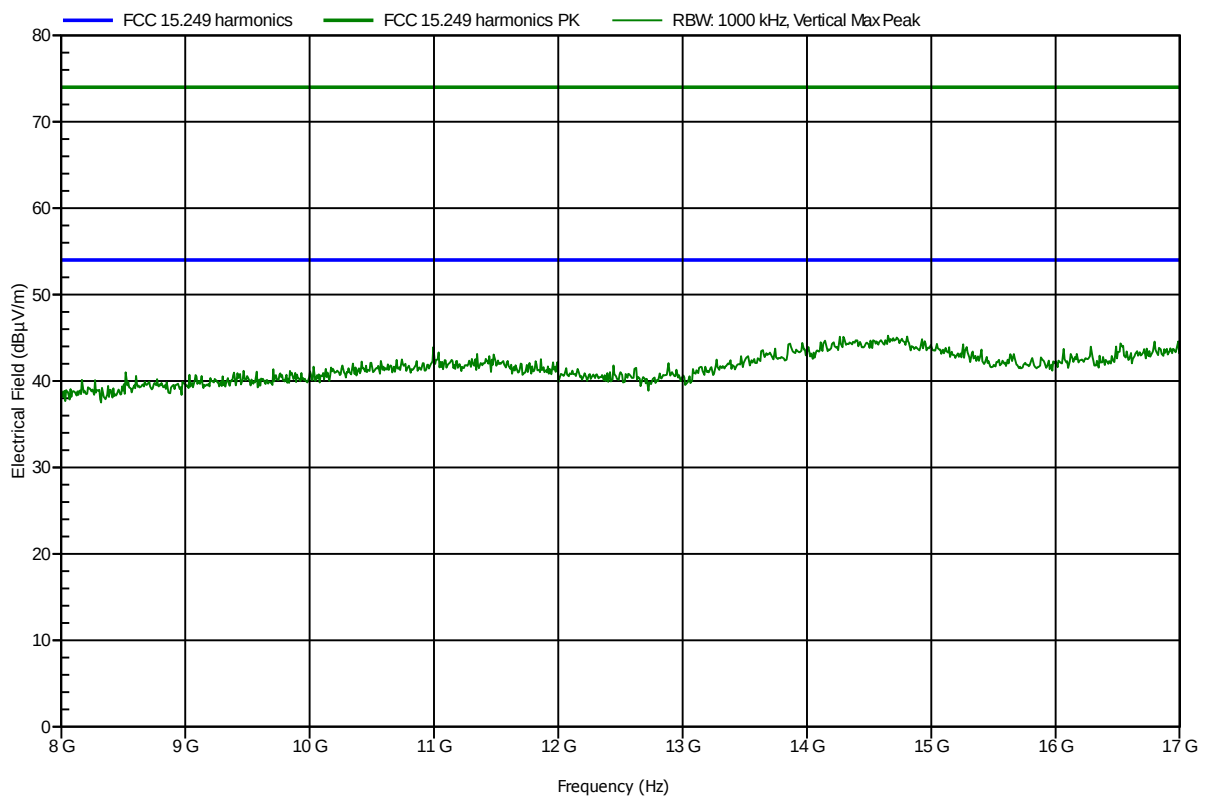
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 100 cm converted to 3m
 Mode: TX; ch.31
 Test Date: 2013-02-13
 Note:

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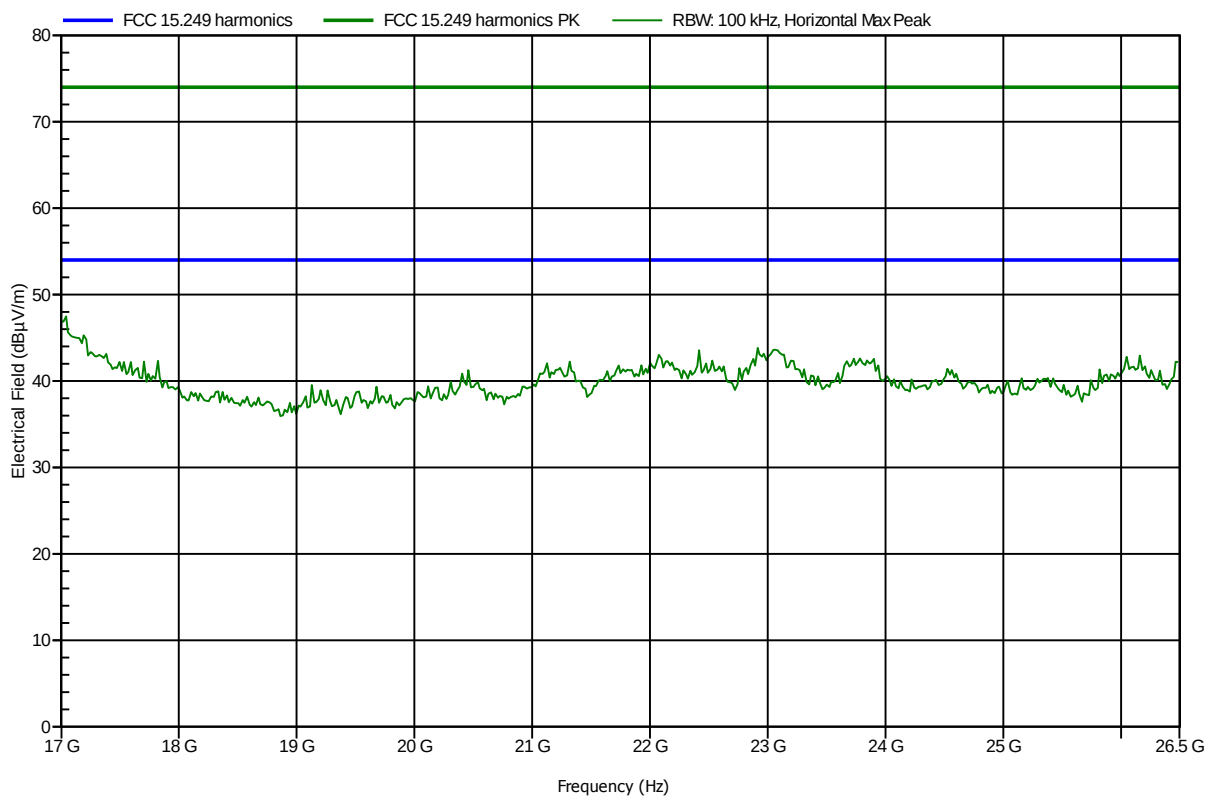


Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Rohde & Schwarz HL 025, Horizontal
 Measurement distance: 100 cm converted to 3m
 Mode: TX; ch.31
 Test Date: 2013-02-13
 Note:

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Spurious emissions according to FCC 15.249

Project number: G0M-1212-2467

Manufacturer: myon AG
 EUT Name: Wireless sensor data transmitter for skin potential indication
 Model: m320TXA
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Vnom: 3.7V DC (lithium accu)
 Antenna: Rohde & Schwarz HL 025, Vertical
 Measurement distance: 100 cm converted to 3m
 Mode: TX; ch.31
 Test Date: 2013-02-13
 Note:

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