

FCC TEST REPORT		
FCC 47 CFR Part 15C		
Digital transmission systems operating within the 2400 – 2483.5 MHz band		
Report Reference No.....	G0M-1505-4759-TFC247BL-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	tado° GmbH	
Address.....	Lindwurmstr. 76 80337 München GERMANY	
Test specification:		
Standard	47 CFR Part 15C RSS-247, Issue 1, 2015-05 RSS-Gen, Issue 4, 2014-11 ANSI C63.10:2013 ANSI C63.4:2014	
Test scope.....	partial Radio compliance test	
Equipment under test (EUT):		
Product description	tado Smart AC Control	
Model No.	WR01	
Additional Model(s)	None	
Brand Name(s)	None	
Hardware version	WR0101	
Firmware / Software version	21.0	
	FCC-ID: 2AE751	IC: 20406-1
Contains	FCC-ID: VPYLBZY	IC: 772C-LBZY
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:

Test Lab Temperature.....: 20 – 23 °C

Test Lab Humidity: 32 – 38 %

Date of receipt of test item: 2015-06-02

Date (s) of performance of tests: 2015-06-05 – 2015-06-11

Compiled by: Burkhard Pudell

Tested by (+ signature): Matthias Handrik
(Responsible for Test)

Approved by (+ signature): Christian Weber
(Head of Lab)

Date of issue: 2015-08-31

Total number of pages: 78



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.

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Additional comments:

Version History

Version	Issue Date	Remarks	Revised by
01	2015-08-31	Initial Release	

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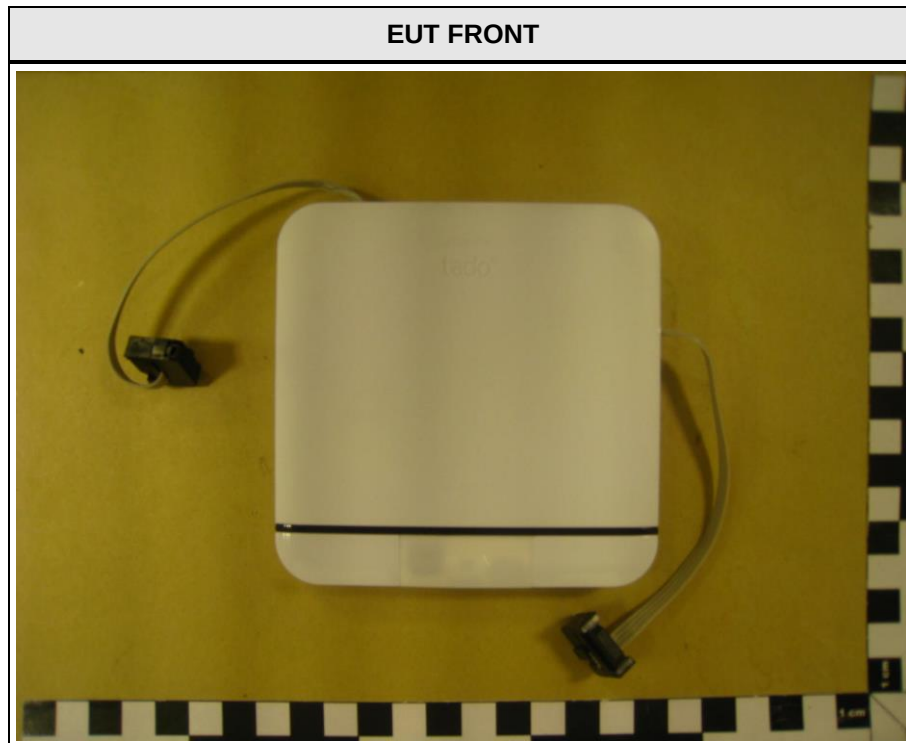
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1 Equipment (Test item) Description

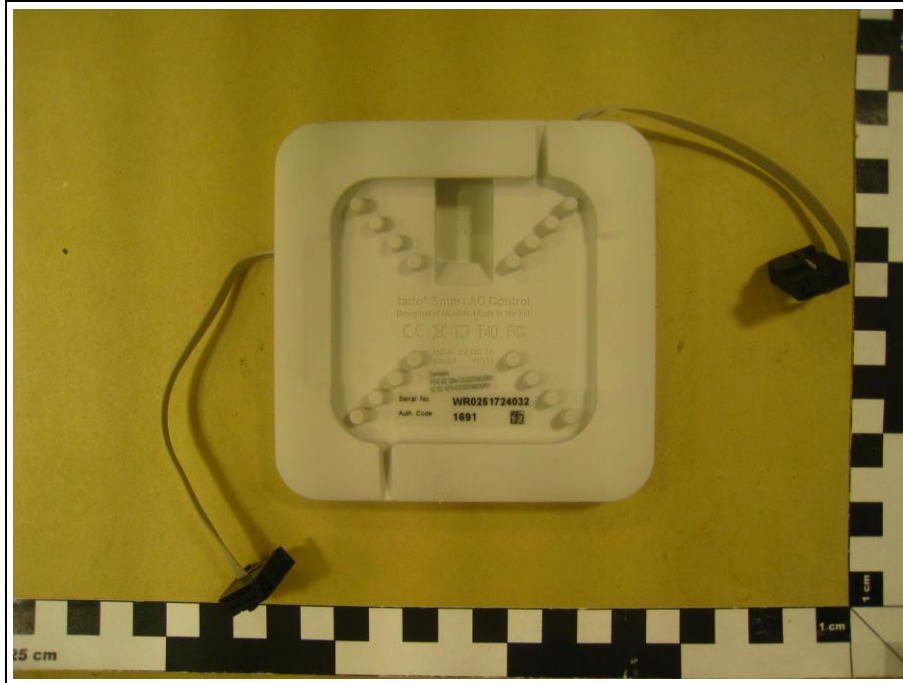
Description	tado Smart AC Control	
Model	WR01	
Additional Model(s)	None	
Brand Name(s)	None	
Serial number	None	
Hardware version	WR0101	
Software / Firmware version	21.0	
FCC-ID	2AE751	
IC	20406-1	
Contains FCC-ID	VPYLBZY	
Contains IC	772C-LBZY	
Equipment type	End product	
Radio type	Transceiver	
Radio technology	Bluetooth 4.0 Low Energy	
Operating frequency range	2402 - 2480 MHz	
Assigned frequency band	2400 - 2483.5 MHz	
Main test frequencies	F _{LOW}	2402 MHz
	F _{MID}	2440 MHz
	F _{HIGH}	2480 MHz
Spreading	Frequency Hopping	
Modulations	GFSK	
Number of channels	40	
Channel spacing	2MHz	
Number of antennas	1	
Radio module	Type	Bluetooth Module
	Model	Murata ZY Module
	Manufacturer	Murata
	HW Version	unspecified
	SW Version	unspecified
	FCC-ID	VPYLBZY
	IC	772CLBZY
Antenna	Type	integrated
	Model	Monopole antenna
	Manufacturer	Murata
	Gain	-0.6 dBi (from Test Report)

Manufacturer	Flextronics International Manufacturing Services Duty-Free Zone Limited Liability Company Munkas utca 28 8660 Tab Hungary	
	V _{NOM}	5.0 VDC
	V _{MIN}	4.9 VDC
	V _{MAX}	5.1 VDC
Power supply	Model	SK12G0500100Z
	Vendor	Lin Shiung Enterprise
	Input	100 - 240 V AC
	Output	5.0 V DC
AC/DC-Adaptor	Model	SK12G0500100Z
	Vendor	Lin Shiung Enterprise
	Input	100 - 240 V AC
	Output	5.0 V DC

1.1 Photos – Equipment External



EUT BACK



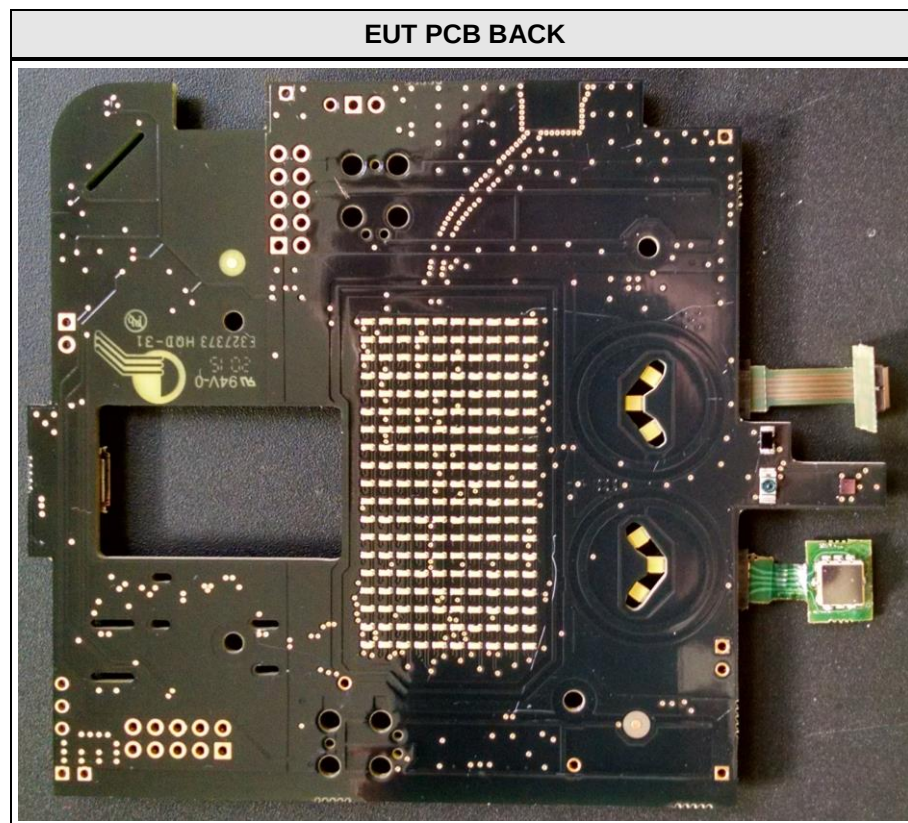
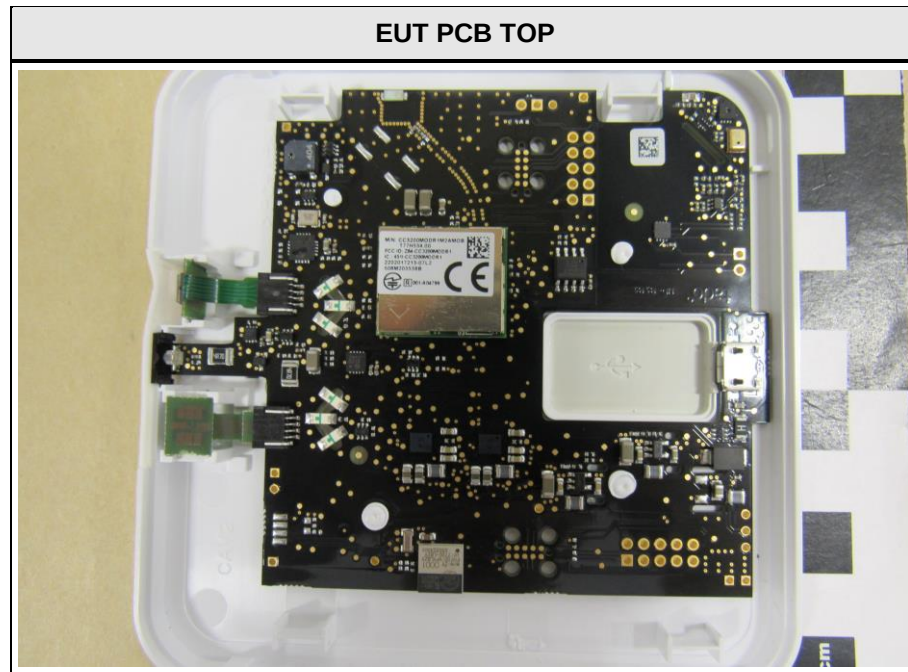
ACCESSORY POWER



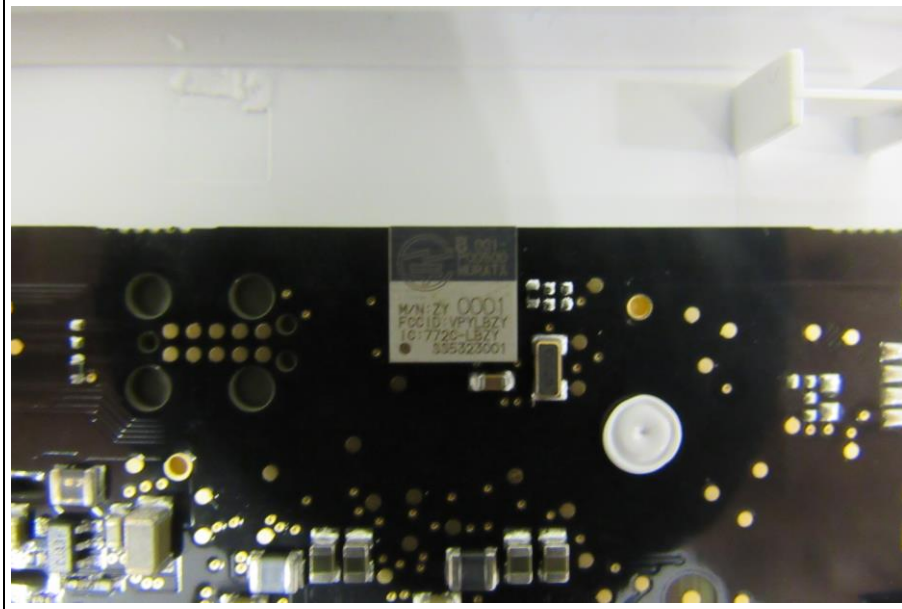
AC/DC-ADAPTOR



1.2 Photos – Equipment internal



EUT PCB Bluetooth Low Energy module



1.3 Photos – Test setup

Test setup AC-Power line



Test setup radiated emission



1.4 Supporting Equipment Used During Testing

Product Type*	Device	Manufacturer	Model No.	Comments
AE	Laptop	DELL	Latitude E5530	
AE : Auxiliary/Associated Equipment				

1.5 Test Modes

Mode #	Description	
Transmit	General conditions:	EUT powered by AC/DC-Adaptor, controlled by laptop.
	Radio conditions:	Mode = standalone transmit Spreading = None Modulation = GFSK Data rate = 1 Mbps Bandwidth = 2 MHz Duty cycle = 100 % Power level = Maximum
Receive	General conditions:	EUT powered by AC/DC-Adaptor, controlled by laptop.
	Radio conditions:	Mode = standalone receive Spreading = None Modulation = GFSK
AC-Powerline	General conditions:	EUT powered by AC/DC-Adaptor
	Radio conditions:	Mode = transmit Spreading = None

1.6 Test Equipment Used During Testing

Measurement Software			
Description	Manufacturer	Name	Version
EMC Test Software	Dare Instruments	Radimation	2014.1.15

Occupied Bandwidth					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Spectrum Analyzer	R&S	FSP 30	EF00312	2015-02	2016-02

Radiated spurious emissions					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Semi-anechoic chamber	Frankonia	AC 1	EF00062	-	-
Spectrum Analyzer	R&S	FSIQ26	EF00242	2015-04	2016-04
Biconical Antenna	R&S	HK 116	EF00012	2013-02	2016-02
LPD Antenna	R&S	HL 223	EF00187	2014-03	2017-03
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	2014-11	2016-11
EMI Test Receiver	R&S	ESCS 30	EF00295	2014-10	2015-10

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:

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

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:

Reading	+	AF	=	Net Reading	:	Net reading - FCC limit	=	Margin
21.5 dBμV	+	26 dB	=	47.5 dBμV/m	:	47.5 dBμV/m - 57.0 dBμV/m	=	-9.5 dB

2 Result Summary

FCC 47 CFR Part 15C				
Product Specific Standard Section	Requirement – Test	Reference Method	Result	Remarks
RSS-Gen 6.6	Occupied Bandwidth	ANSI C63.10	N/R	Informational only
FCC § 15.247(a)(2) IC RSS-247 § 5.2	6dB Bandwidth	ANSI C63.10	N/R	
FCC § 15.247(b)(3) IC RSS-247 § 5.4	Maximum peak conducted power	ANSI C63.10	N/R	
FCC § 15.247(e) IC RSS-247 § 5.2	Power spectral density	ANSI C63.10	N/R	
47 CFR 15.207 IC RSS-247 § 3.1	AC power line conducted emissions	ANSI C63.4	PASS	
FCC § 15.247(d) IC RSS-247 § 5.5	Band edge compliance	ANSI C63.10	N/R	
FCC § 15.247(d) IC RSS-247 § 5.5	Conducted spurious emissions	ANSI C63.10	N/R	
FCC § 15.247(d) FCC § 15.209 IC RSS-247 § 5.5	Transmitter radiated spurious emissions	ANSI C63.10	PASS	
IC RSS-247 § 3.1	Receiver radiated spurious emissions	ANSI C63.10	PASS	
Remarks:				

3 Test Conditions and Results

3.1 Test Conditions and Results – Occupied Bandwidth

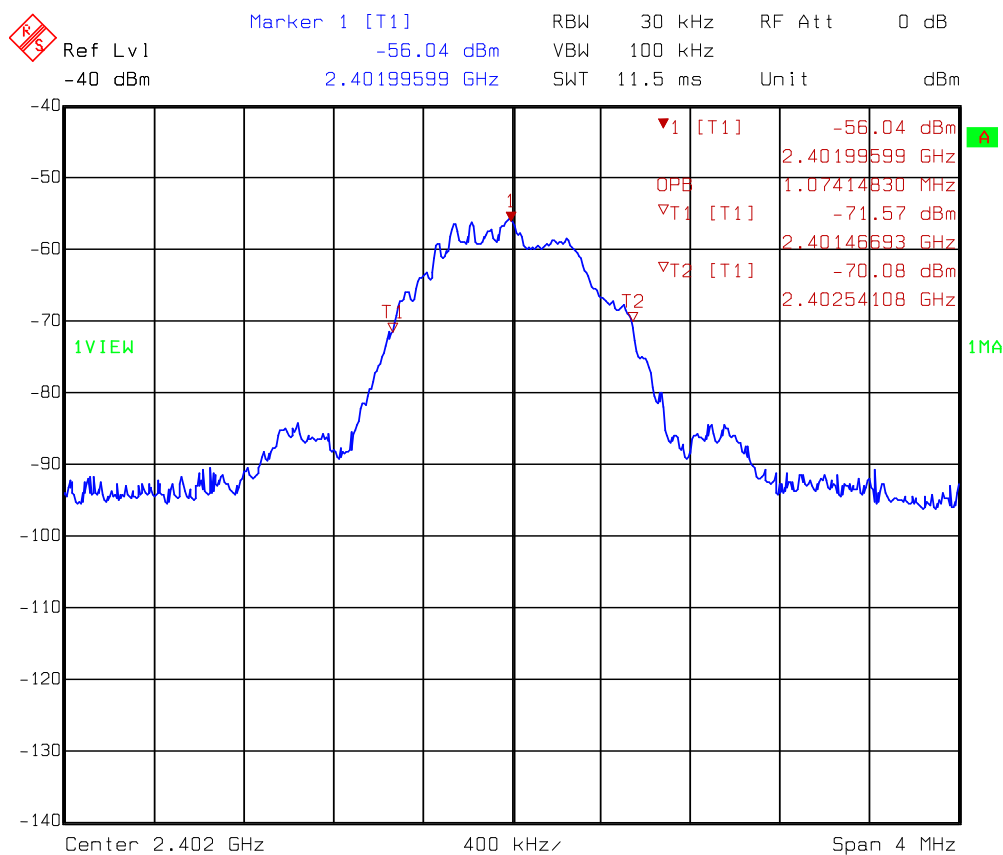
Occupied Bandwidth acc. to IC RSS-Gen			Verdict: PASS
Test according to measurement reference	Reference Method		
	ANSI C63.10		
Test frequency range	Tested frequencies		
	F _{LOW} / F _{MID} / F _{HIGH}		
Limits			
None (Informational only)			
Test setup			
Spectrum Analyzer EUT			
Test procedure			
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]	Mode	Occupied Bandwidth [kHz]
F _{LOW}	2402	Transmit	1074.148
F _{MID}	2442	Transmit	1089.196
F _{HIGH}	2480	Transmit	1114.229
Comments:			

Occupied Bandwidth – F_{Low}

Occupied Bandwidth acc. to RSS-Gen

Project Number: G0M-1505-4759

Applicant: tado GmbH
EUT Name: tado Smart AC Control
Model: WR01
Test Site: Eurofins Product Service GmbH
Operator: Handrik
Test Conditions: Tnom / Vnom
Mode: Bluetooth Low Energy, 2402 MHz
Test Date: 2015-08-28
Verdict: NONE (INFORMATION ONLY)
Note 1: A spectrum analyzer with an integrated 99% power bandwidth function is used
Note 2: -

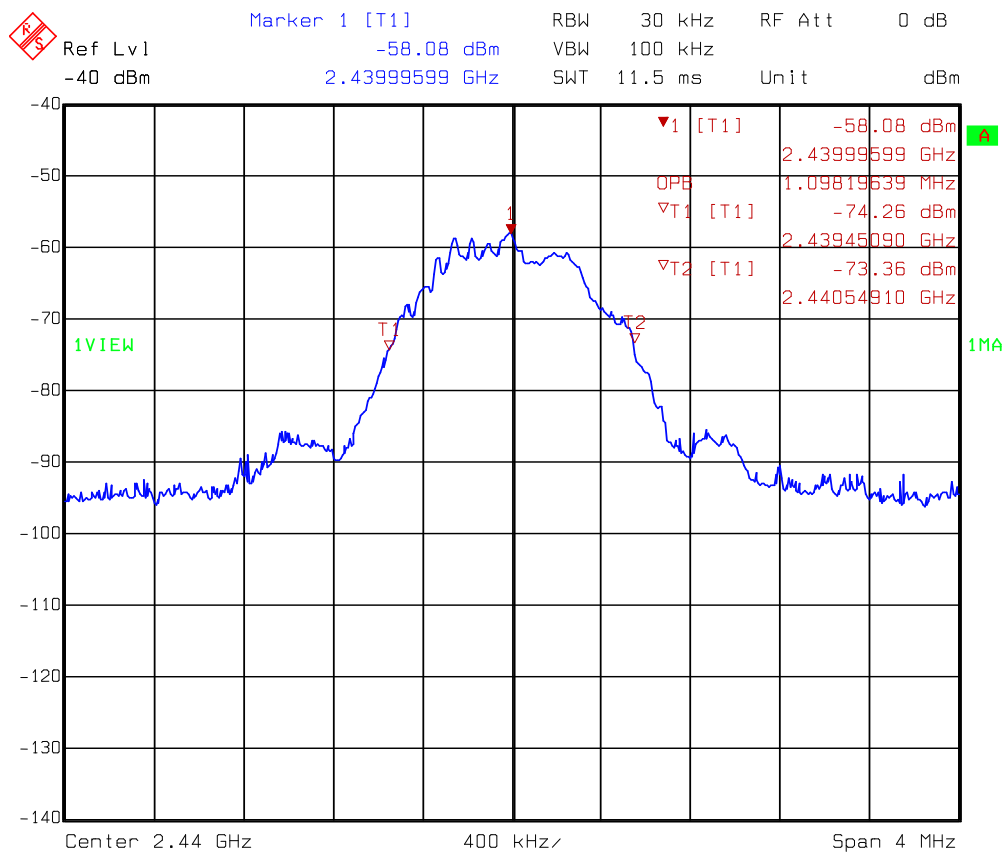


Occupied Bandwidth – F_{MID}

Occupied Bandwidth acc. to RSS-Gen

Project Number: G0M-1505-4759

Applicant: tado GmbH
EUT Name: tado Smart AC Control
Model: WR01
Test Site: Eurofins Product Service GmbH
Operator: Handrik
Test Conditions: Tnom / Vnom
Mode: Bluetooth Low Energy, 2440 MHz
Test Date: 2015-08-28
Verdict: NONE (INFORMATION ONLY)
Note 1: A spectrum analyzer with an integrated 99% power bandwidth function is used
Note 2: -

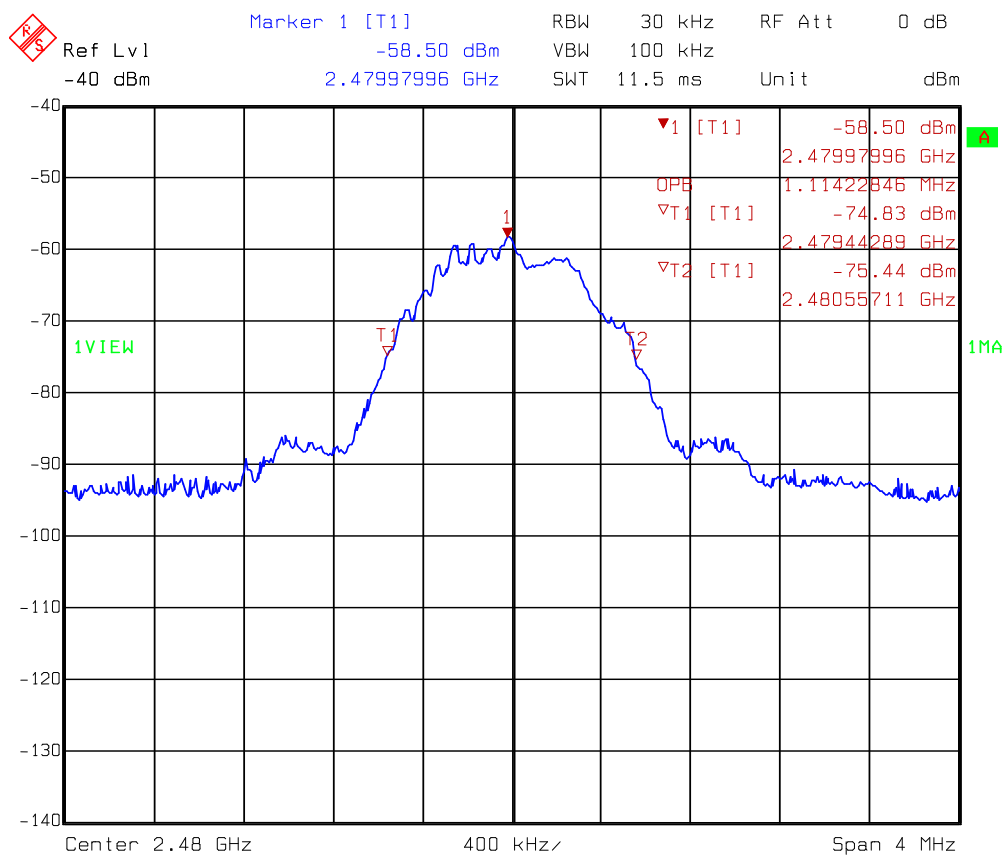


Occupied Bandwidth – F_{HIGH}

Occupied Bandwidth acc. to RSS-Gen

Project Number: G0M-1505-4759

Applicant: tado GmbH
EUT Name: tado Smart AC Control
Model: WR01
Test Site: Eurofins Product Service GmbH
Operator: Handrik
Test Conditions: Tnom / Vnom
Mode: Bluetooth Low Energy, 2480 MHz
Test Date: 2015-08-28
Verdict: NONE (INFORMATION ONLY)
Note 1: A spectrum analyzer with an integrated 99% power bandwidth function is used
Note 2: -



3.2 Test Conditions and Results – AC power line conducted emissions

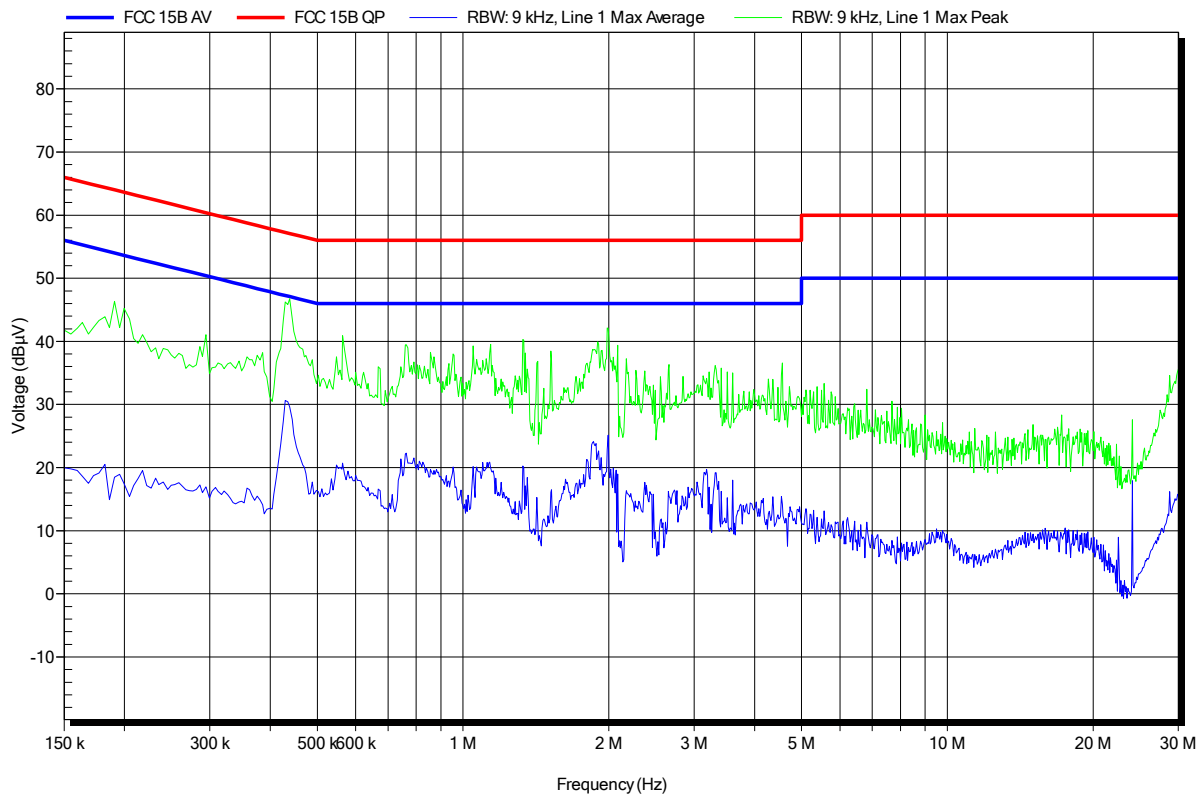
Power line conducted emissions acc. FCC 47 CFR 15.207 / IC RSS-Gen				Verdict: PASS	
Test according referenced standards		Reference Method			
		ANSI C63.4			
Fully configured sample scanned over the following frequency range		Frequency range			
		0.15 MHz to 30 MHz			
Points of Application		Application Interface			
AC Mains		LISN			
EUT test mode		AC power line			
Limits and results					
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.					

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

Project number: G0M-1505-4759

Applicant: Tado° GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Yu
 Test Conditions: Tnom: 26°C, Unom: 5VDC via 120VAC AC/DC Adapter
 LISN: ESH2-Z5 L
 Mode: AC Power line
 Test Date: 2015-08-18
 Note:

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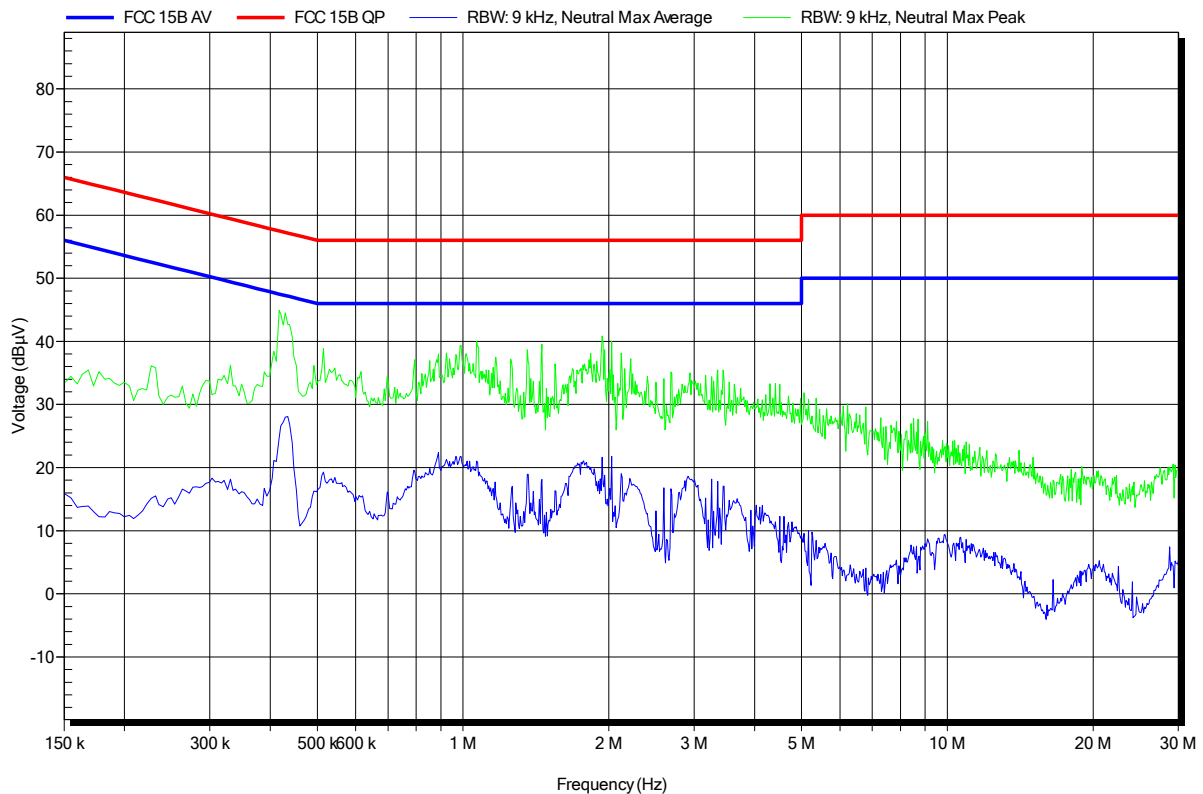


Conducted Emissions
EMI voltage test in the ac-mains according to FCC PART 15B

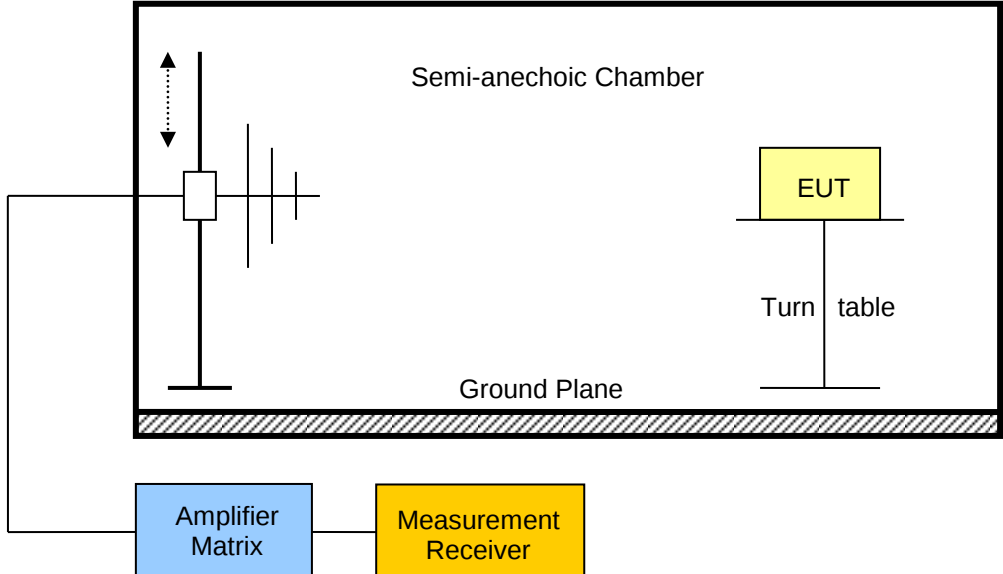
Project number: G0M-1505-4759

Applicant: Tado° GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Yu
 Test Conditions: Tnom: 26°C, Unom: 5VDC via 120VAC AC/DC Adapter
 LISN: ESH2-Z5 N
 Mode: AC Power line
 Test Date: 2015-08-17
 Note:

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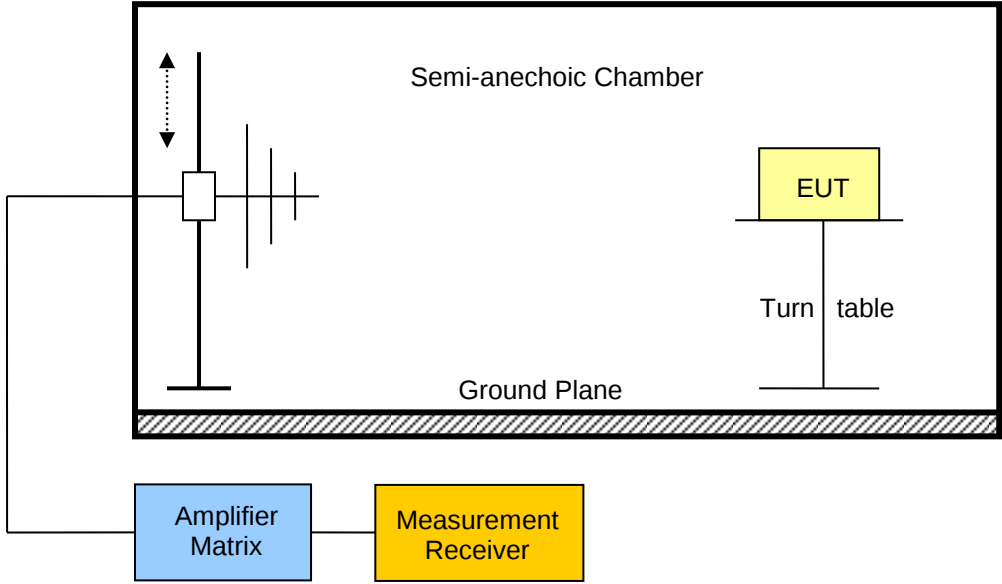


3.4 Test Conditions and Results – Transmitter radiated emissions

Transmitter radiated emissions acc. FCC 47 CFR 15.247 / IC RSS-247				Verdict: PASS
Test according referenced standards		Reference Method		
		FCC 15.247(d) / IC RSS-247 5.5		
Test according to measurement reference		Reference Method		
		ANSI C63.10		
Test frequency range		Tested frequencies		
		30 MHz – 10 th Harmonic		
Limits				
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
Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)). When average radiated emission measurements are specified, including average emission measurements below 1000 MHz, there also is a limit on the peak level of the radio frequency emissions. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit applicable to the equipment under test.				
Test setup				
				

Test procedure									
1. EUT set to test mode (Communication tester is used if needed) 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 peak emission levels within restricted bands									
Test results									
Channel	Frequency [MHz]	Mode	Emission [MHz]	Level [dBμV/m]	Det.	Pol.	Limit [dBμV/m]	Limit dist. [m]*	Margin [dB]
F _{LOW}	2402	Transmit	273.6	41.30	pk	hor	46.00	3	-04.70
F _{LOW}	2402	Transmit	281.6	40.01	pk	hor	46.00	3	-05.99
F _{LOW}	2402	Transmit	407.7	38.67	pk	ver	46.00	3	-07.33
F _{LOW}	2402	Transmit	409.6	37.22	pk	hor	46.00	3	-08.78
F _{MID}	2440	Transmit	273.6	36.60	pk	ver	46.00	3	-09.40
F _{MID}	2440	Transmit	275.2	39.44	pk	hor	46.00	3	-06.56
F _{MID}	2440	Transmit	281.6	36.59	pk	ver	46.00	3	-09.41
F _{MID}	2440	Transmit	406.4	38.64	pk	ver	46.00	3	-07.36
F _{MID}	2440	Transmit	409.6	37.96	pk	hor	46.00	3	-08.04
F _{MID}	2440	Transmit	2389	51.08	pk	ver	74.00	3	-22.92
F _{HIGH}	2480	Transmit	283.2	35.18	pk	ver	46.00	3	-10.82
F _{HIGH}	2480	Transmit	2484	51.40	pk	ver	74.00	3	-22.60
F _{HIGH}	2480	Transmit	2484	28.98	RMS	ver	54.00	3	-25.02
F _{HIGH}	2480	Transmit	2484	59.57	pk	hor	74.00	3	-14.43
F _{HIGH}	2480	Transmit	2484	34.94	RMS	hor	54.00	3	-19.06
Comments: * Physical distance between EUT and measurement antenna.									

3.5 Test Conditions and Results – Receiver radiated emissions

Receiver radiated emissions acc. to IC RSS-247				Verdict: PASS
Test according referenced standards	Reference Method			
	IC RSS-247 3.1			
Test according to measurement reference	Reference Method			
	ANSI C63.10			
Test frequency range	Tested frequencies			
	30 MHz – 5 th Harmonic			
EUT test mode	Receive			
Limits				
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
Test setup				
				

Test procedure							
1. EUT set to receive mode (Communication tester is used if needed) 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 peak emission levels							
Test results							
Channel	Frequency [MHz]	Emission [MHz]	Emission Level [dB μ V/m]	Polarisation	Det.	Limit [dB μ V/m]	Margin [dB μ V/m]
F _{MID}	2440	182.66	34.84	ver	pk	43.50	-8.66 dB
F _{MID}	2440	188.78	33.66	hor	pk	43.50	-9.84 dB
F _{MID}	2440	284.8	35.82	ver	pk	46.00	-10.18 dB
F _{MID}	2440	286.4	33.74	hor	pk	46.00	-12.26 dB
F _{MID}	2440	374.4	33.07	hor	pk	46.00	-12.93 dB
F _{MID}	2440	444.8	37.87	ver	pk	46.00	-8.13 dB
F _{MID}	2440	3904	38.94	ver	pk	53.98	-15.04 dB
F _{MID}	2440	3982	39.14	hor	pk	53.98	-14.84 dB
F _{MID}	2440	7960	48.67	hor	pk	53.98	-5.31 dB
F _{MID}	2440	7968	49.14	ver	pk	53.98	-4.84 dB
F _{MID}	2440	11154	43.29	ver	pk	53.98	-10.69 dB
F _{MID}	2440	11420	43.33	hor	pk	53.98	-10.65 dB
Comments:							

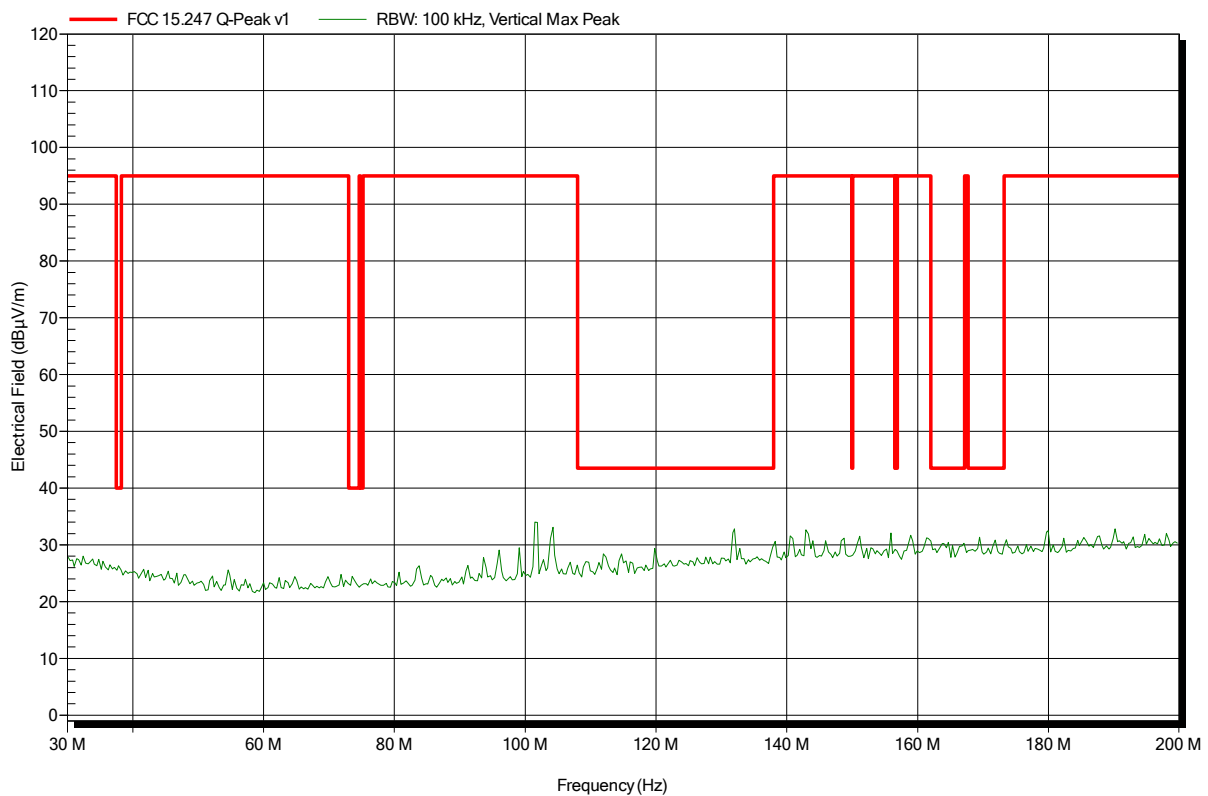
ANNEX A Transmitter radiated spurious emissions

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HK 116, Vertical
 Measurement distance: 3 m
 Mode: TX; BLE; CH. 1; 2402 MHz; TX-mode
 Test Date: 2015-06-05
 Note: EUT horizontal

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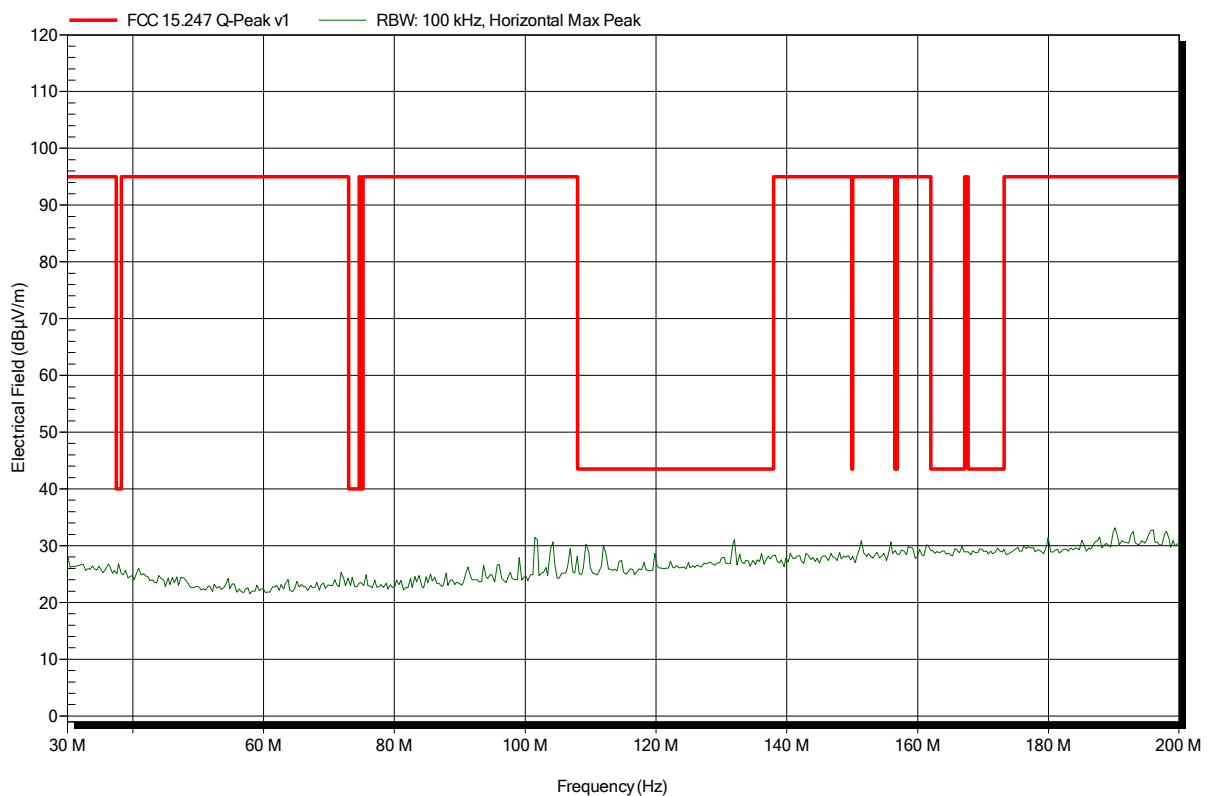


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1505-4759

Applicant:	tado GmbH
EUT Name:	tado Smart AC Control
Model:	WR01
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Pudell
Test Conditions:	Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
Antenna:	Rohde & Schwarz HK 116, Horizontal
Measurement distance:	3 m
Mode:	TX; BLE; CH. 1; 2402 MHz; TX-mode
Test Date:	2015-06-05
Note:	EUT horizontal

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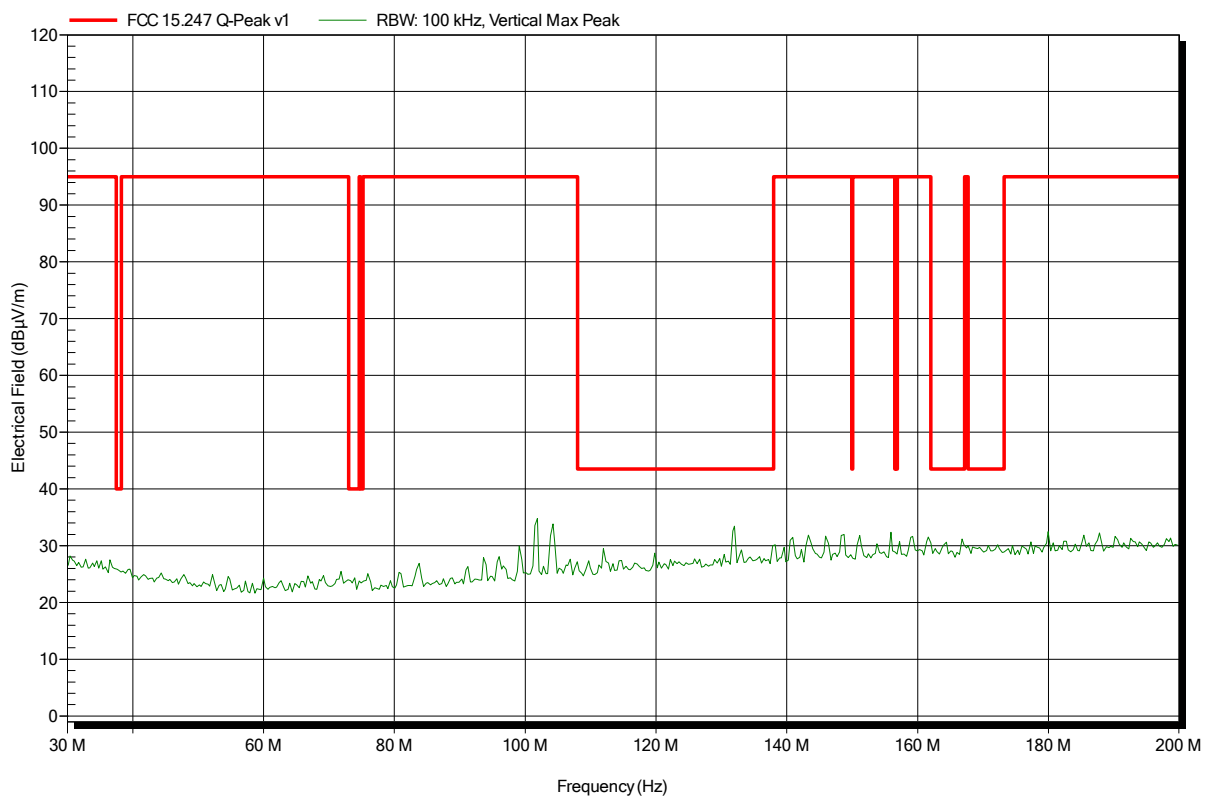


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1505-4759

Applicant:	tado GmbH
EUT Name:	tado Smart AC Control
Model:	WR01
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Pudell
Test Conditions:	Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
Antenna:	Rohde & Schwarz HK 116, Vertical
Measurement distance:	3 m
Mode:	TX; BLE; CH. 19; 2440 MHz; TX-mode
Test Date:	2015-06-05
Note:	EUT horizontal

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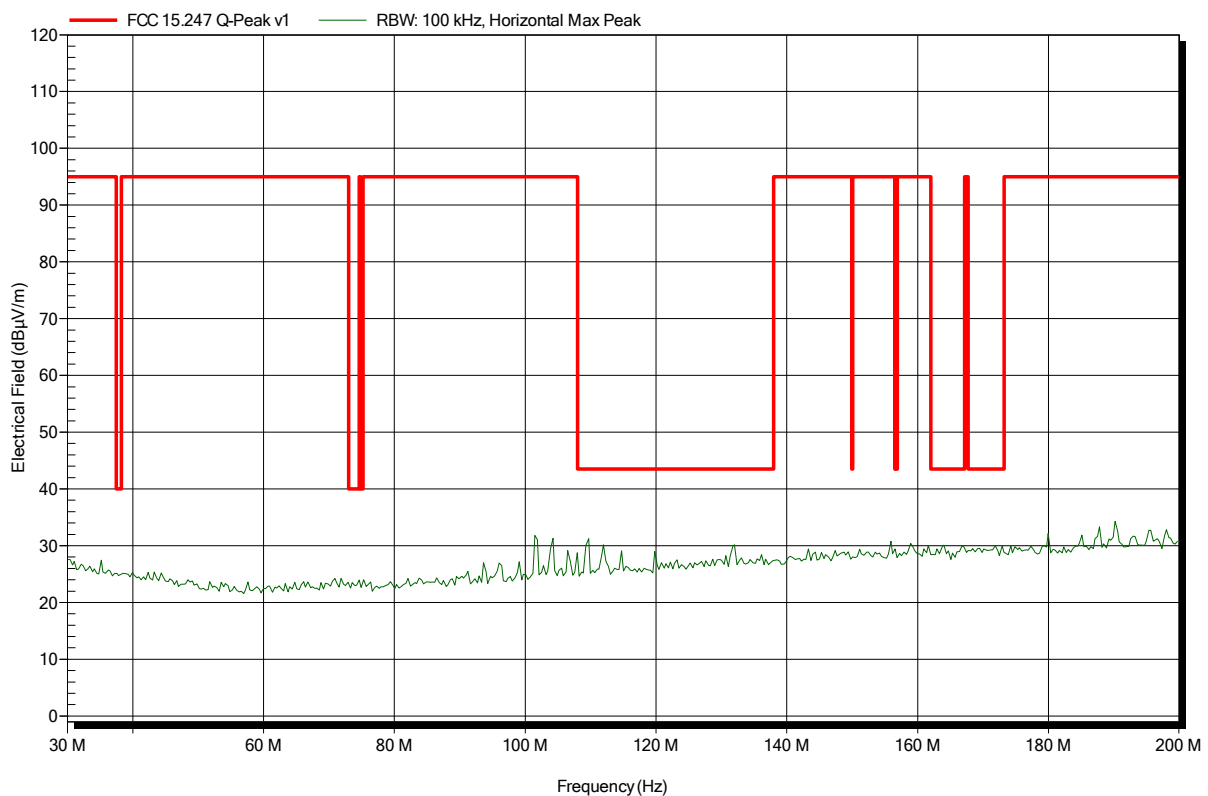


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HK 116, Horizontal
 Measurement distance: 3 m
 Mode: TX; BLE; CH. 19; 2440 MHz; TX-mode
 Test Date: 2015-06-05
 Note: EUT horizontal

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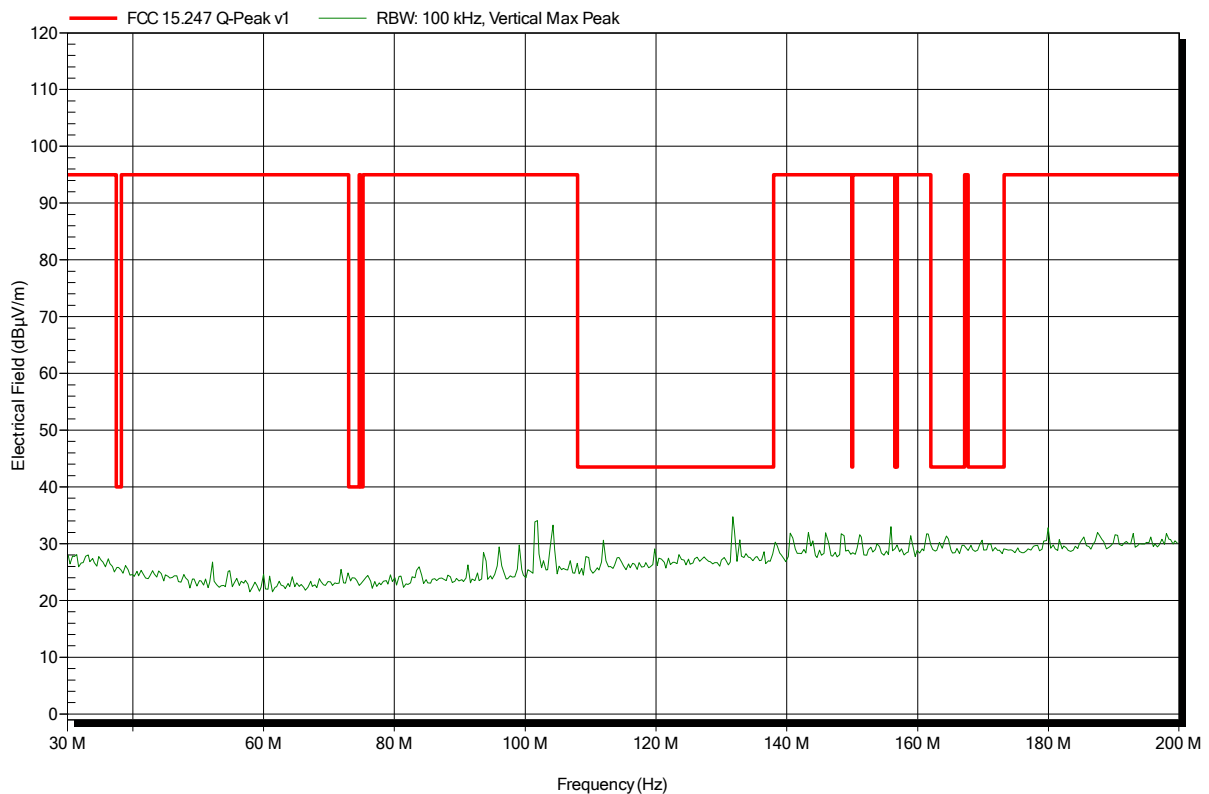


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1505-4759

Applicant:	tado GmbH
EUT Name:	tado Smart AC Control
Model:	WR01
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Pudell
Test Conditions:	Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
Antenna:	Rohde & Schwarz HK 116, Vertical
Measurement distance:	3 m
Mode:	TX; BLE; CH. 39; 2480 MHz; TX-mode
Test Date:	2015-06-05
Note:	EUT horizontal

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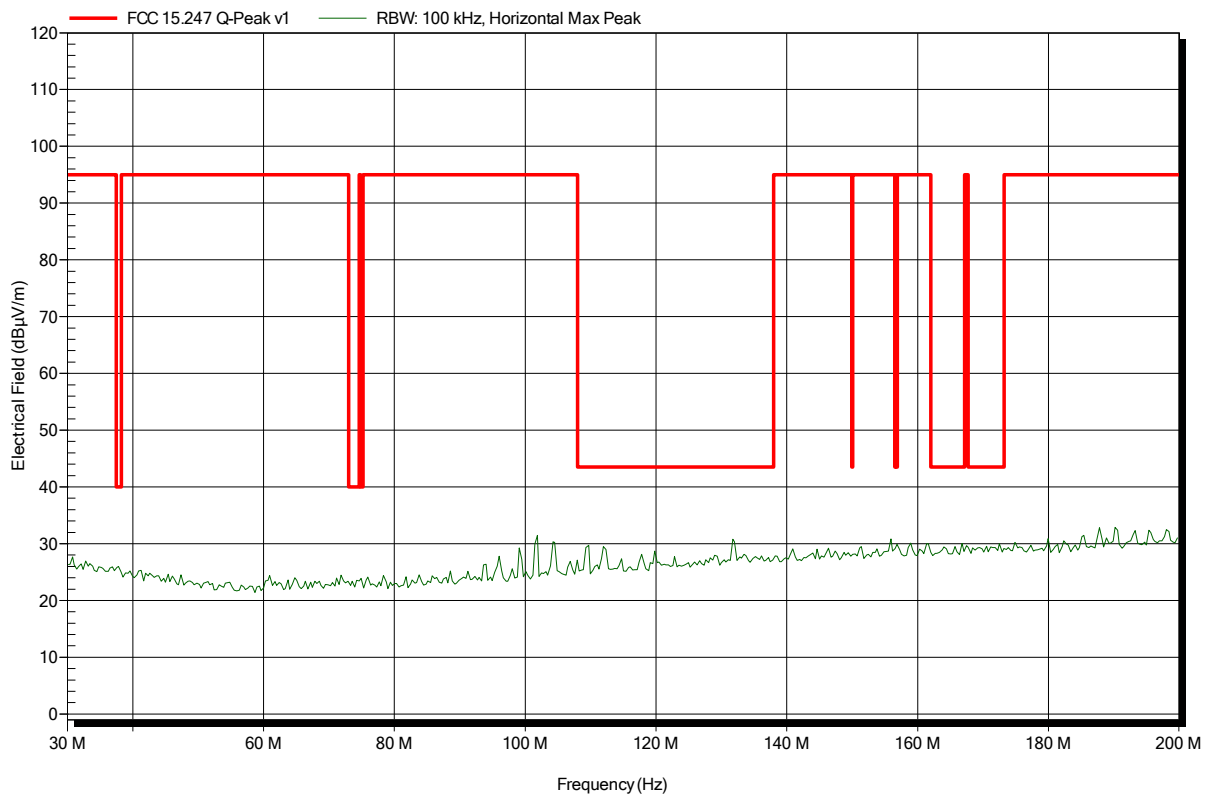


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1505-4759

Applicant:	tado GmbH
EUT Name:	tado Smart AC Control
Model:	WR01
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Pudell
Test Conditions:	Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
Antenna:	Rohde & Schwarz HK 116, Horizontal
Measurement distance:	3 m
Mode:	TX; BLE; CH. 39; 2480 MHz; TX-mode
Test Date:	2015-06-05
Note:	EUT horizontal

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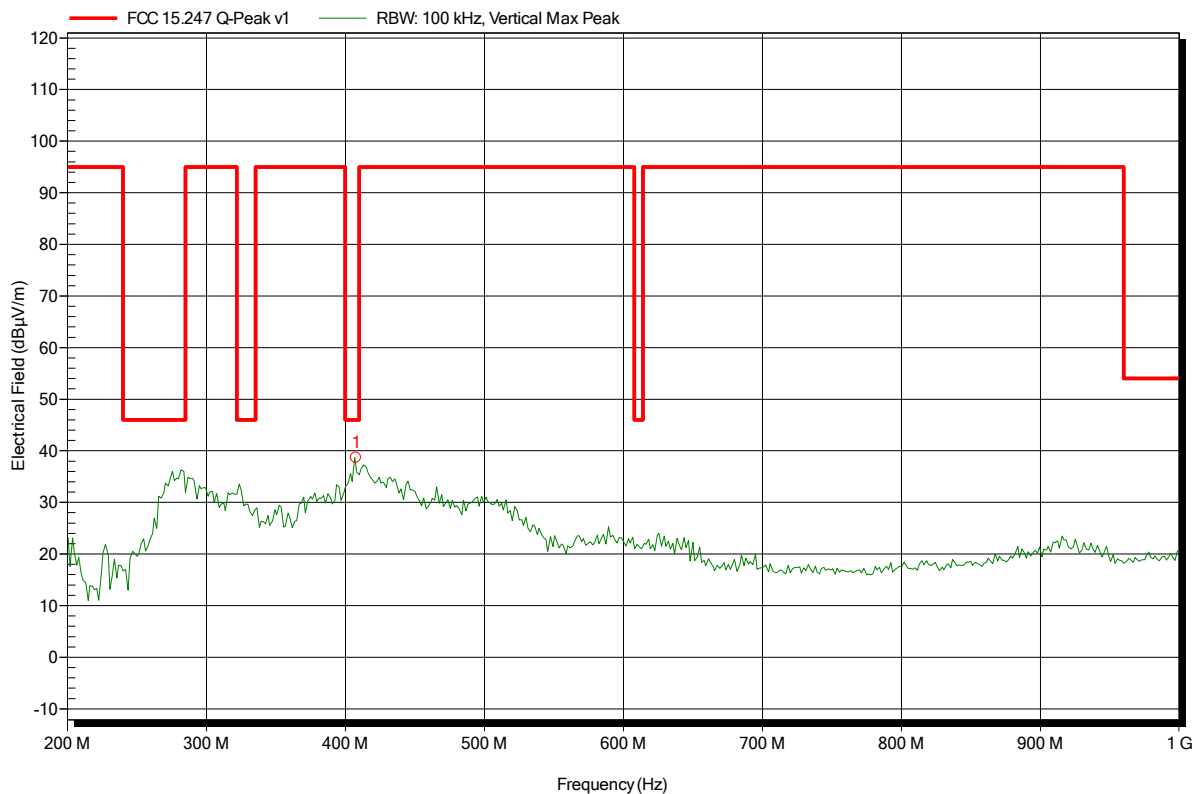


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: GOM-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 223, Vertical
 Measurement distance: 3 m
 Mode: TX; BLE; CH. 1; 2402 MHz; TX-mode
 Test Date: 2015-06-05
 Note: EUT horizontal

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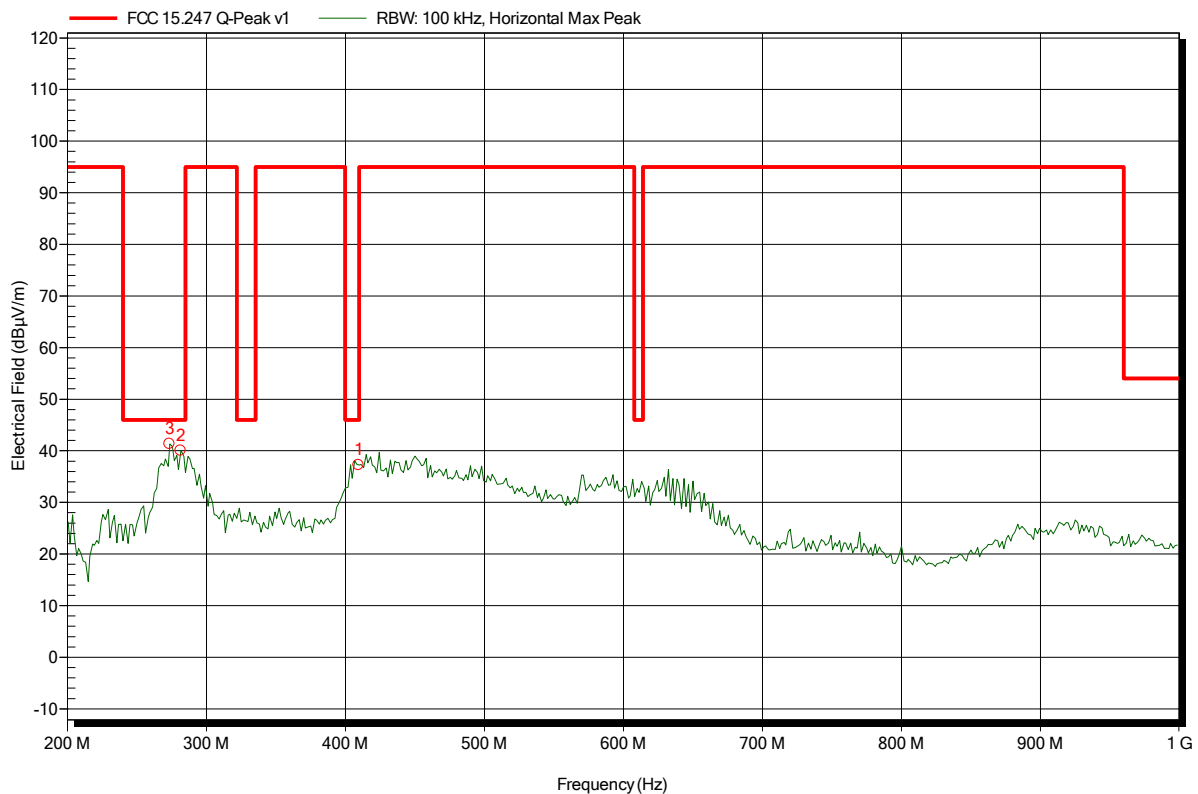
Frequency	Peak	Peak Limit	Peak Difference	Peak Status
407.752 MHz	38.67 dBµV/m	46 dBµV/m	-7.33 dB	Pass

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: GOM-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 223, Horizontal
 Measurement distance: 3 m
 Mode: TX; BLE; CH. 1; 2402 MHz; TX-mode
 Test Date: 2015-06-05
 Note: EUT horizontal

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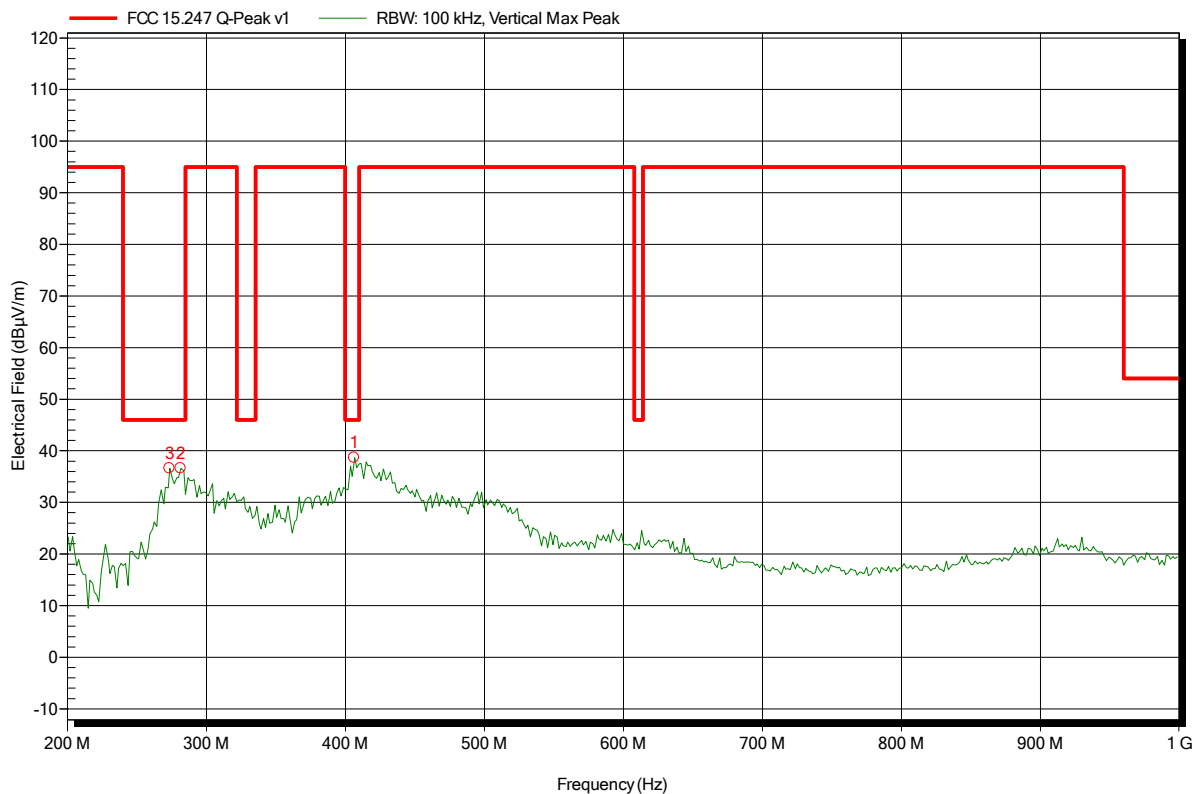
Frequency	Peak	Peak Limit	Peak Difference	Peak Status
273.6 MHz	41.3 dBµV/m	46 dBµV/m	-4.7 dB	Pass
281.6 MHz	40.01 dBµV/m	46 dBµV/m	-5.99 dB	Pass
409.6 MHz	37.22 dBµV/m	46 dBµV/m	-8.78 dB	Pass

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: GOM-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 223, Vertical
 Measurement distance: 3 m
 Mode: TX; BLE; CH. 19; 2440 MHz; TX-mode
 Test Date: 2015-06-05
 Note: EUT horizontal

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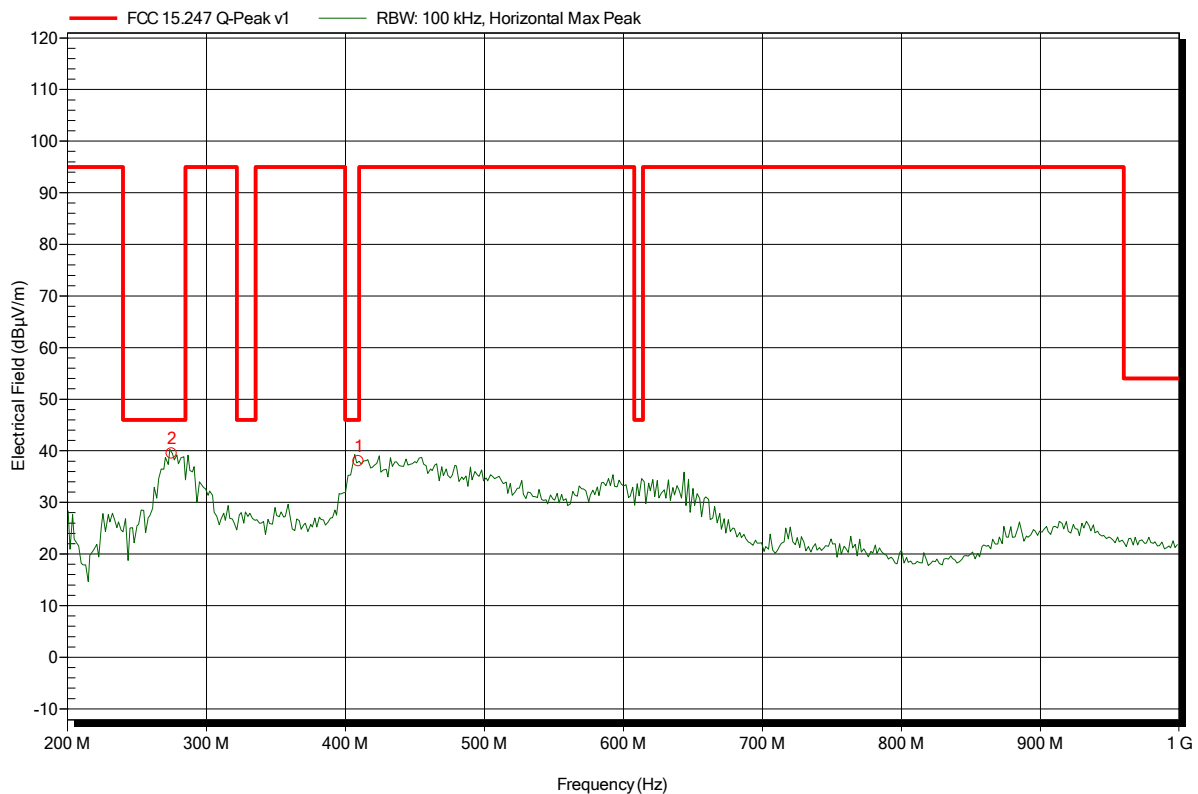
Frequency	Peak	Peak Limit	Peak Difference	Peak Status
273.6 MHz	36.6 dBµV/m	46 dBµV/m	-9.4 dB	Pass
281.6 MHz	36.59 dBµV/m	46 dBµV/m	-9.41 dB	Pass
406.4 MHz	38.64 dBµV/m	46 dBµV/m	-7.36 dB	Pass

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 223, Horizontal
 Measurement distance: 3 m
 Mode: TX; BLE; CH. 19; 2440 MHz; TX-mode
 Test Date: 2015-06-05
 Note: EUT horizontal

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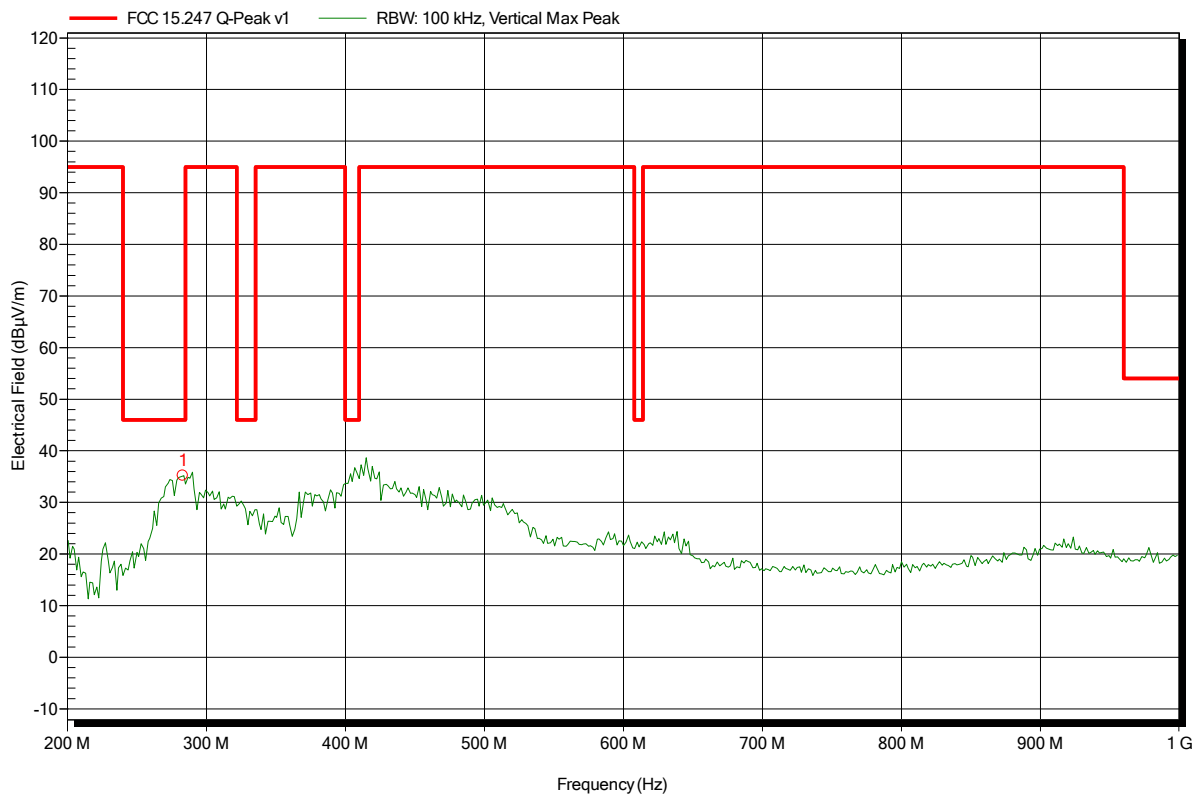
Frequency	Peak	Peak Limit	Peak Difference	Peak Status
275.2 MHz	39.44 dBµV/m	46 dBµV/m	-6.56 dB	Pass
409.6 MHz	37.96 dBµV/m	46 dBµV/m	-8.04 dB	Pass

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: GOM-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 223, Vertical
 Measurement distance: 3 m
 Mode: TX; BLE; CH. 39; 2480 MHz; TX-mode
 Test Date: 2015-06-05
 Note: EUT horizontal

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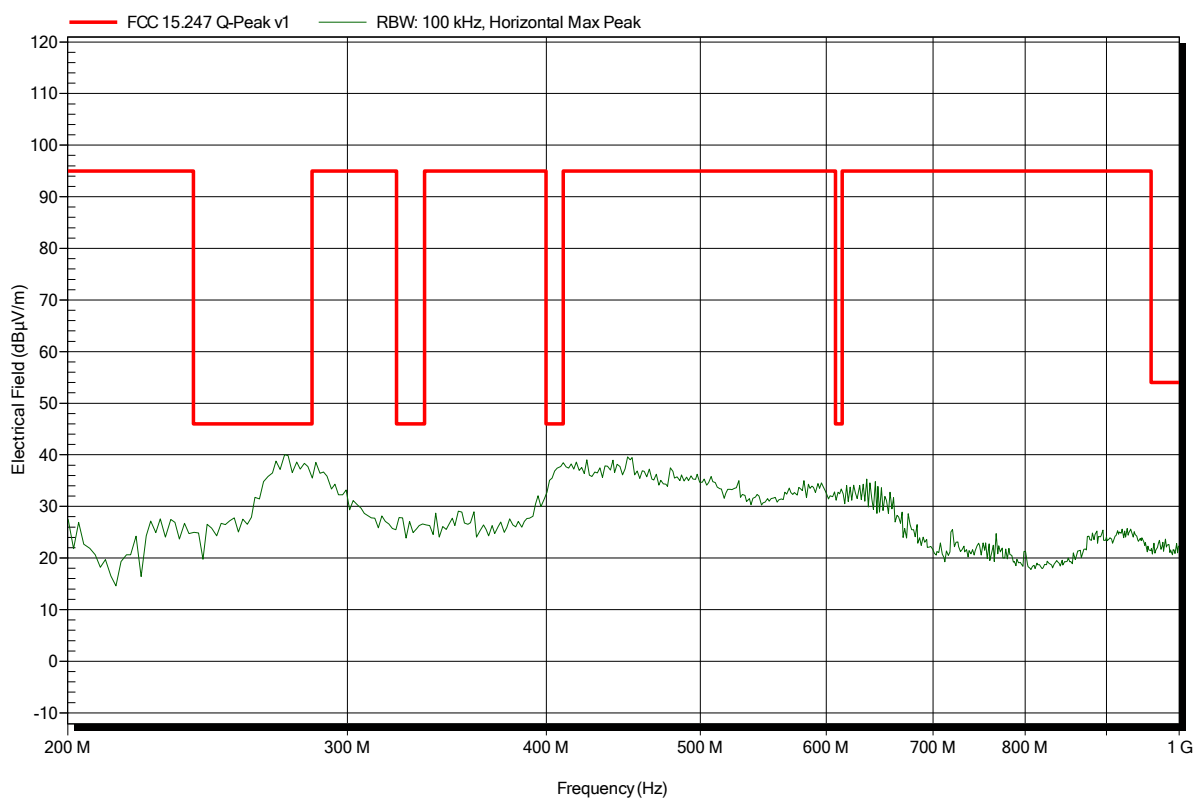
Frequency	Peak	Peak Limit	Peak Difference	Peak Status
283.2 MHz	35.18 dBµV/m	46 dBµV/m	-10.82 dB	Pass

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 223, Horizontal
 Measurement distance: 3 m
 Mode: TX; BLE; CH. 39; 2480 MHz; TX-mode
 Test Date: 2015-06-05
 Note: EUT horizontal

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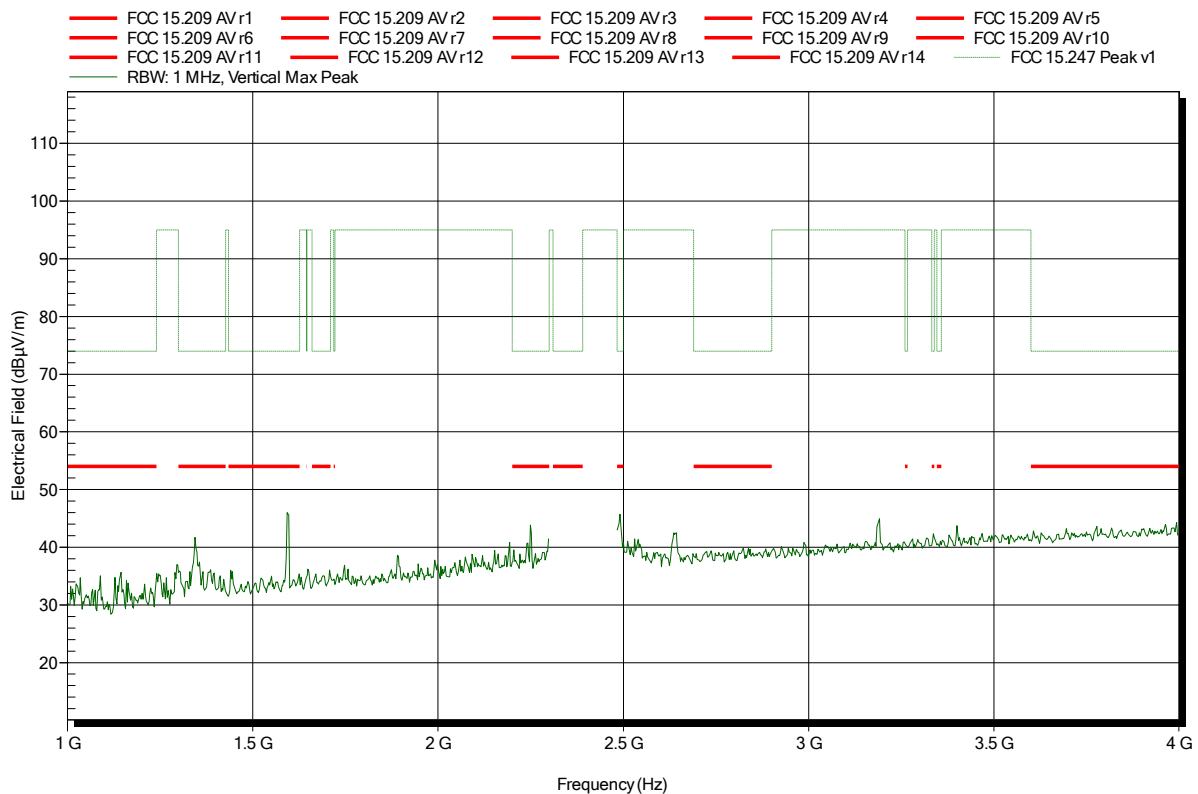


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: GOM-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Vertical
 Measurement distance: 3 m
 Mode: TX; BLE; CH. 1; 2402 MHz; TX-mode
 Test Date: 2015-06-05
 Note: EUT horizontal

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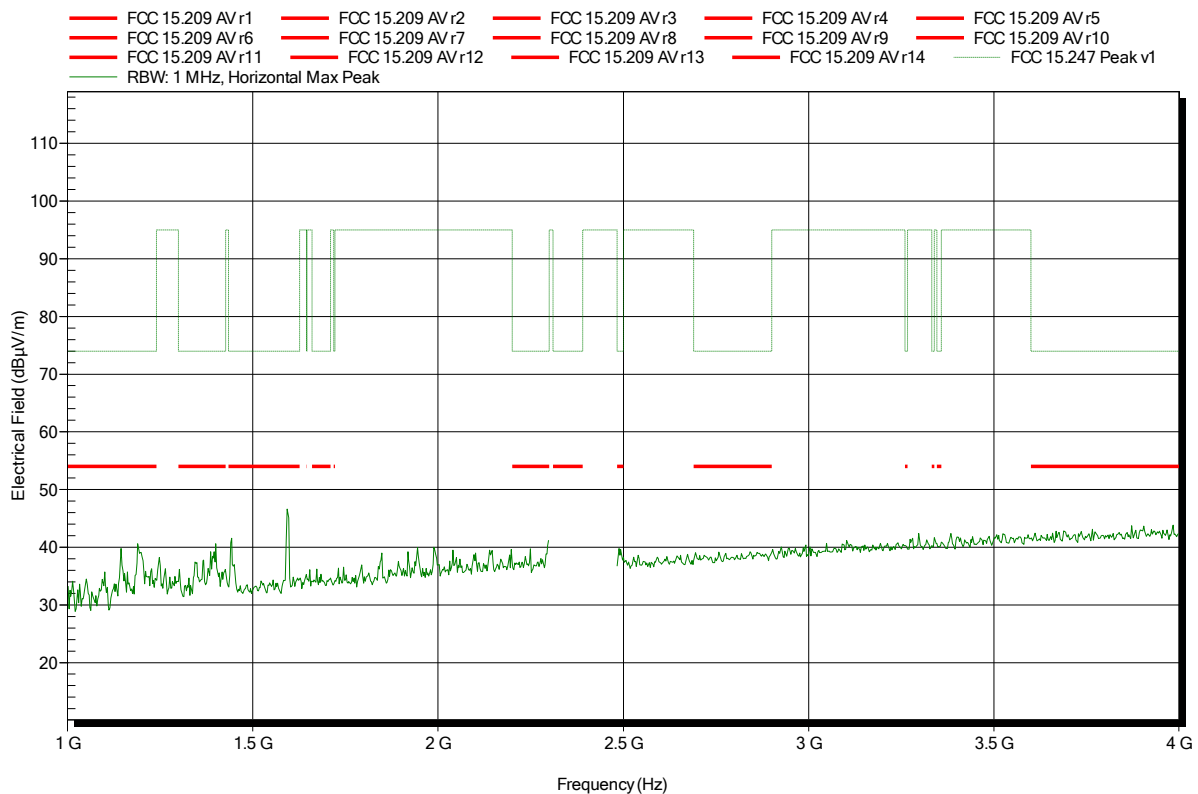


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: GOM-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Horizontal
 Measurement distance: 3 m
 Mode: TX; BLE; CH. 1; 2402 MHz; TX-mode
 Test Date: 2015-06-09
 Note: EUT horizontal

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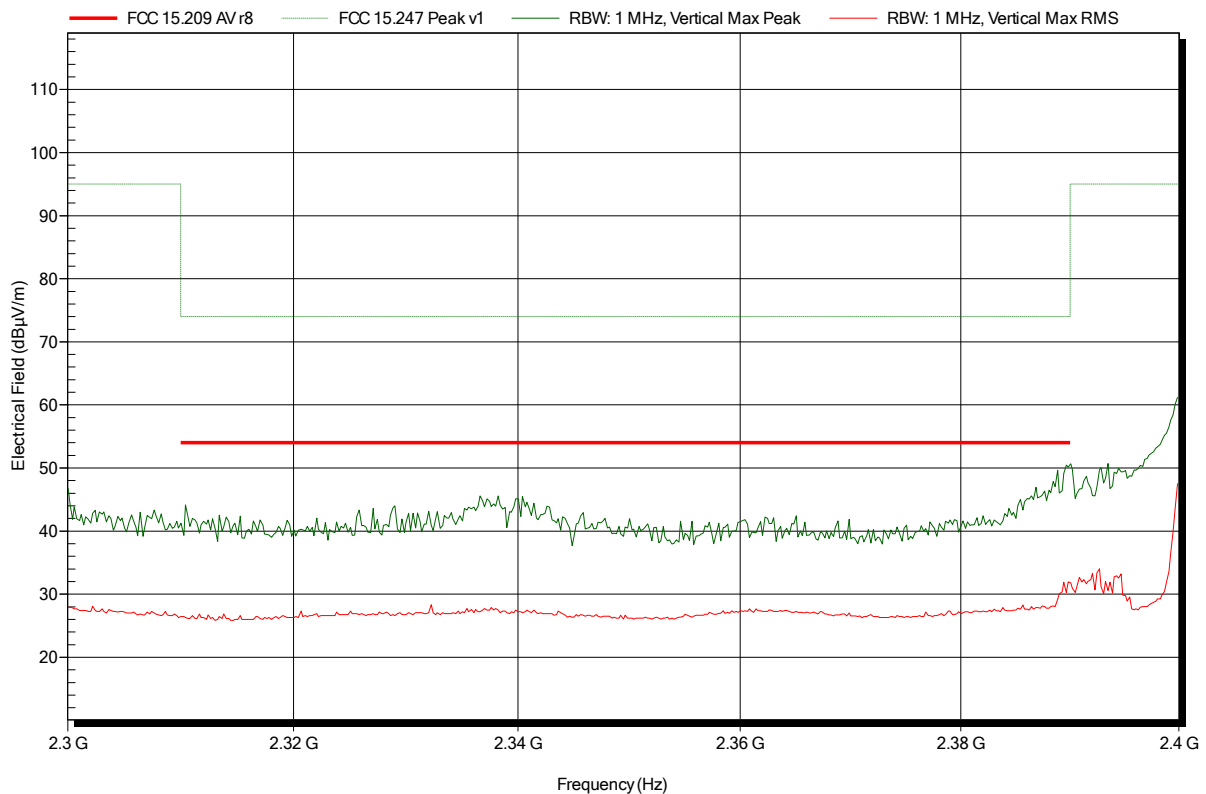


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: GOM-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Vertical
 Measurement distance: 3 m
 Mode: TX; BLE; CH. 1; 2402 MHz; TX-mode
 Test Date: 2015-06-09
 Note: EUT horizontal; lower bandedge

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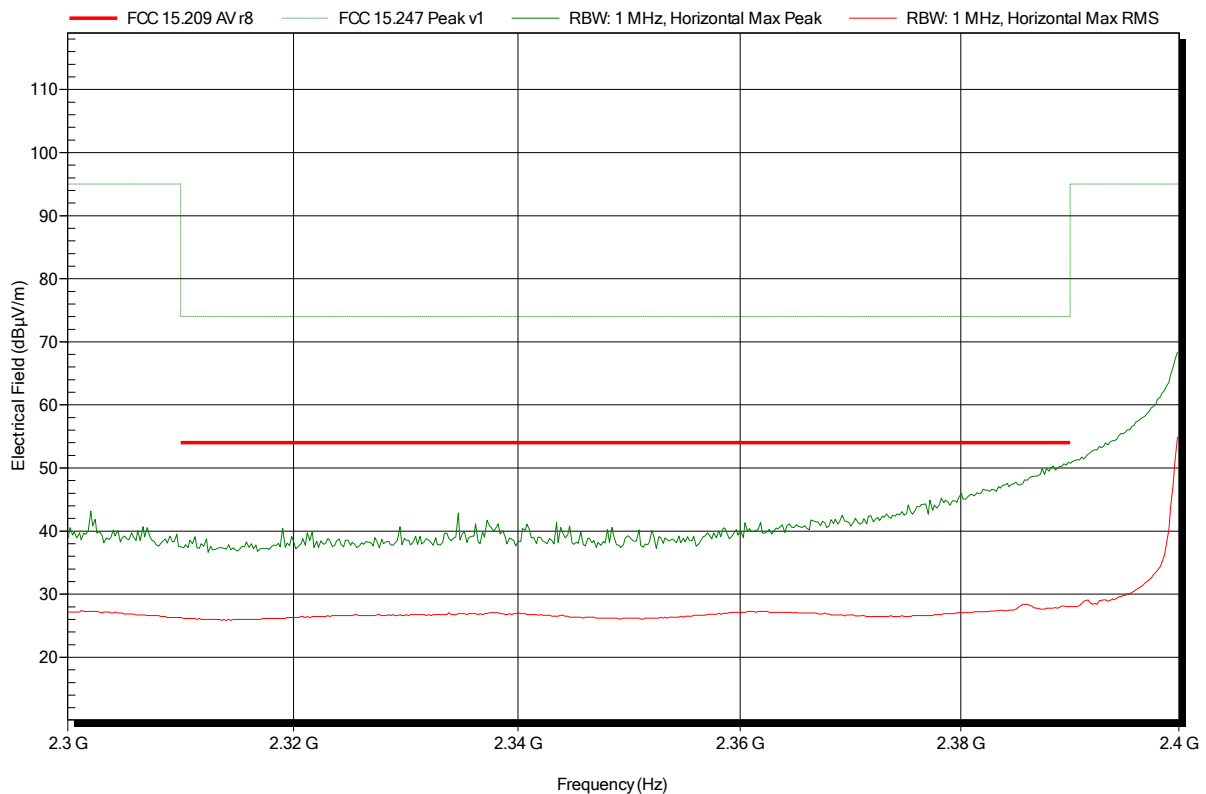


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: GOM-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Horizontal
 Measurement distance: 3 m
 Mode: TX; BLE; CH. 1; 2402 MHz; TX-mode
 Test Date: 2015-06-09
 Note: EUT horizontal; lower bandedge

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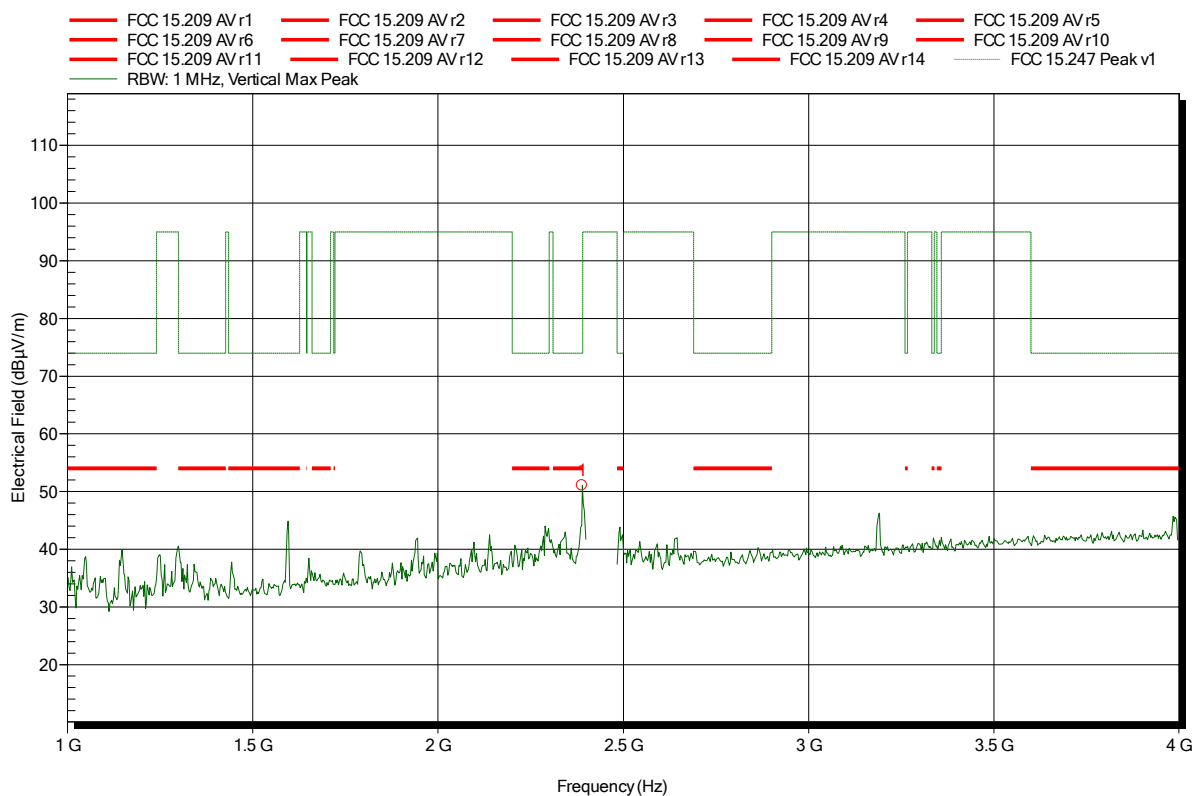


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: GOM-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Vertical
 Measurement distance: 3 m
 Mode: TX; BLE; CH. 19; 2440 MHz; TX-mode
 Test Date: 2015-06-09
 Note: EUT horizontal

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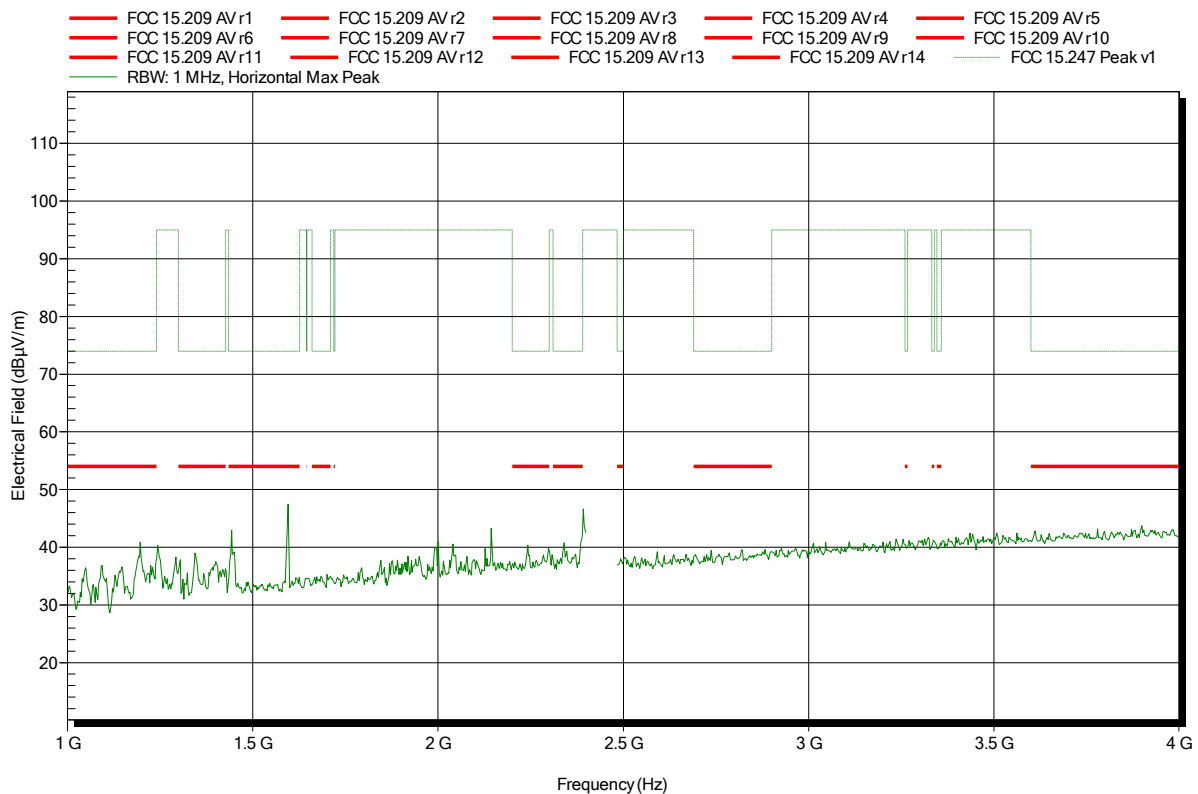
Frequency	Peak	Peak Limit	Peak Difference	Peak Status
2.389 GHz	51.08 dBμV/m	74 dBμV/m	-22.92 dB	Pass

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: GOM-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Horizontal
 Measurement distance: 3 m
 Mode: TX; BLE; CH. 19; 2440 MHz; TX-mode
 Test Date: 2015-06-09
 Note: EUT horizontal

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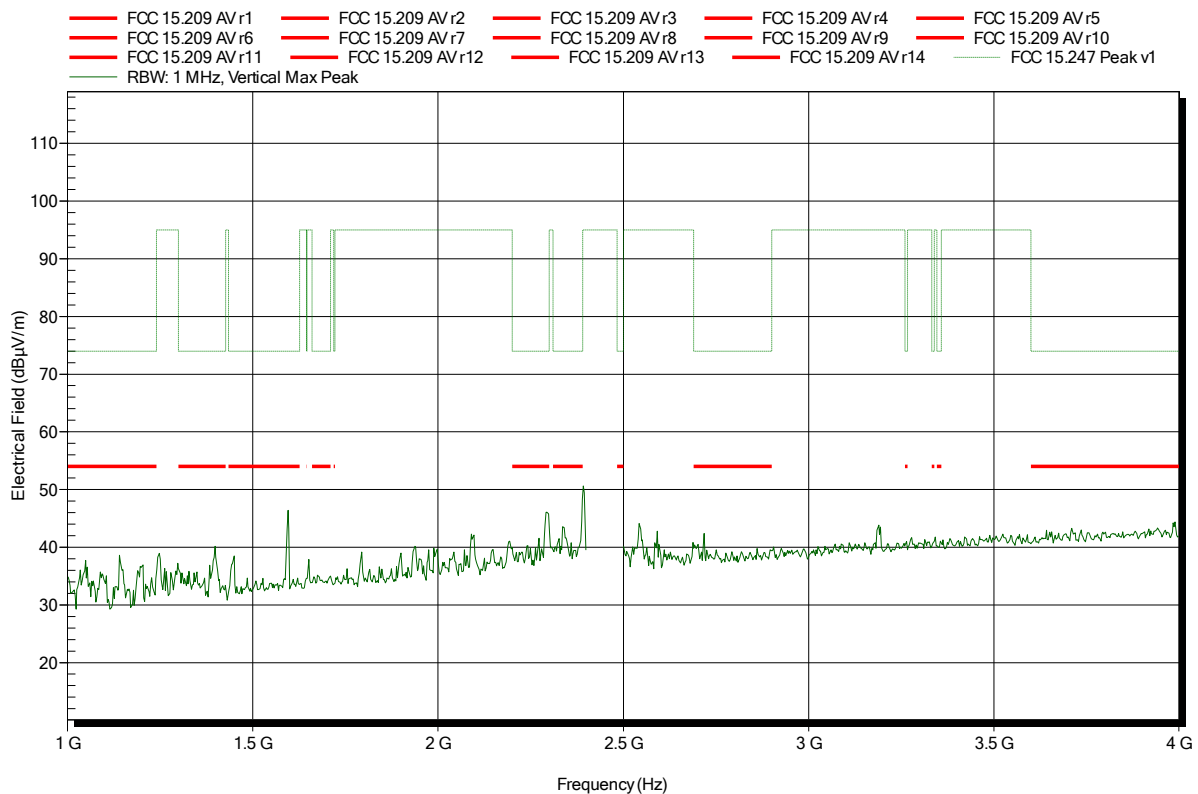


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: GOM-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Vertical
 Measurement distance: 3 m
 Mode: TX; BLE; CH. 39; 2480 MHz; TX-mode
 Test Date: 2015-06-09
 Note: EUT horizontal

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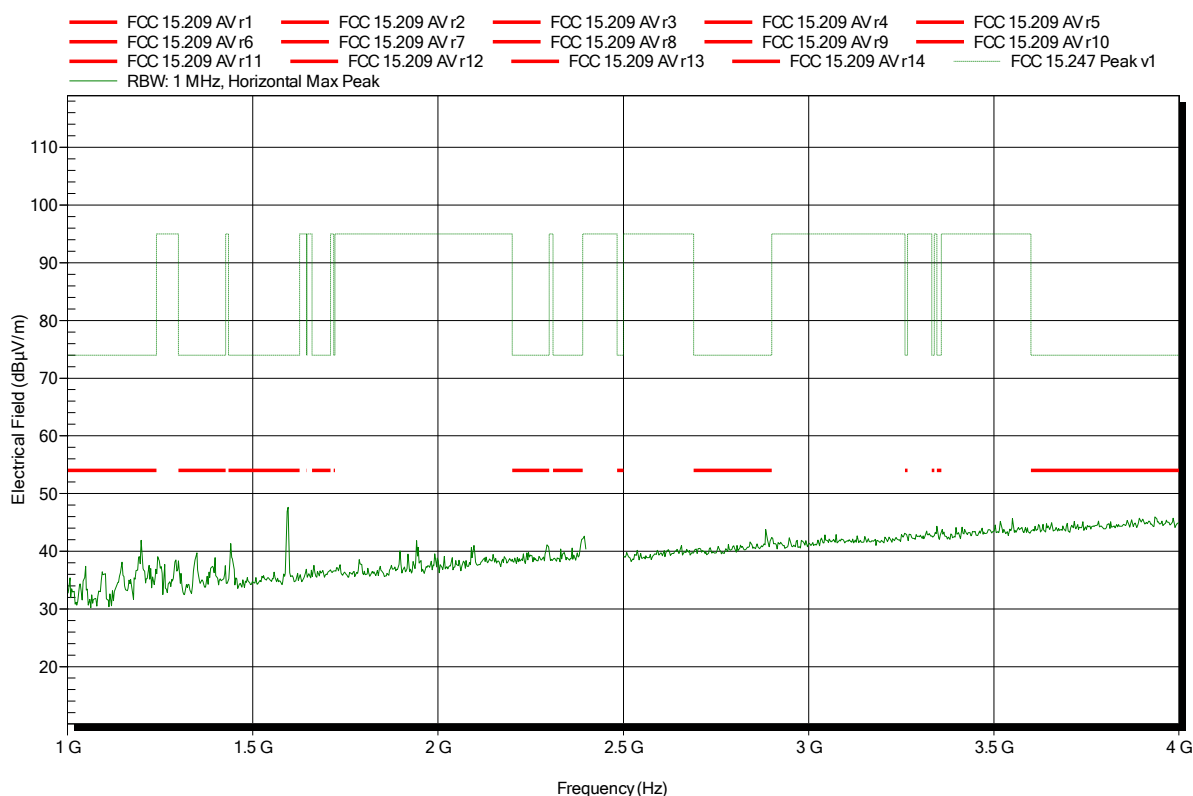


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: GOM-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Horizontal
 Measurement distance: 3 m
 Mode: TX; BLE; CH. 39; 2480 MHz; TX-mode
 Test Date: 2015-06-09
 Note: EUT horizontal

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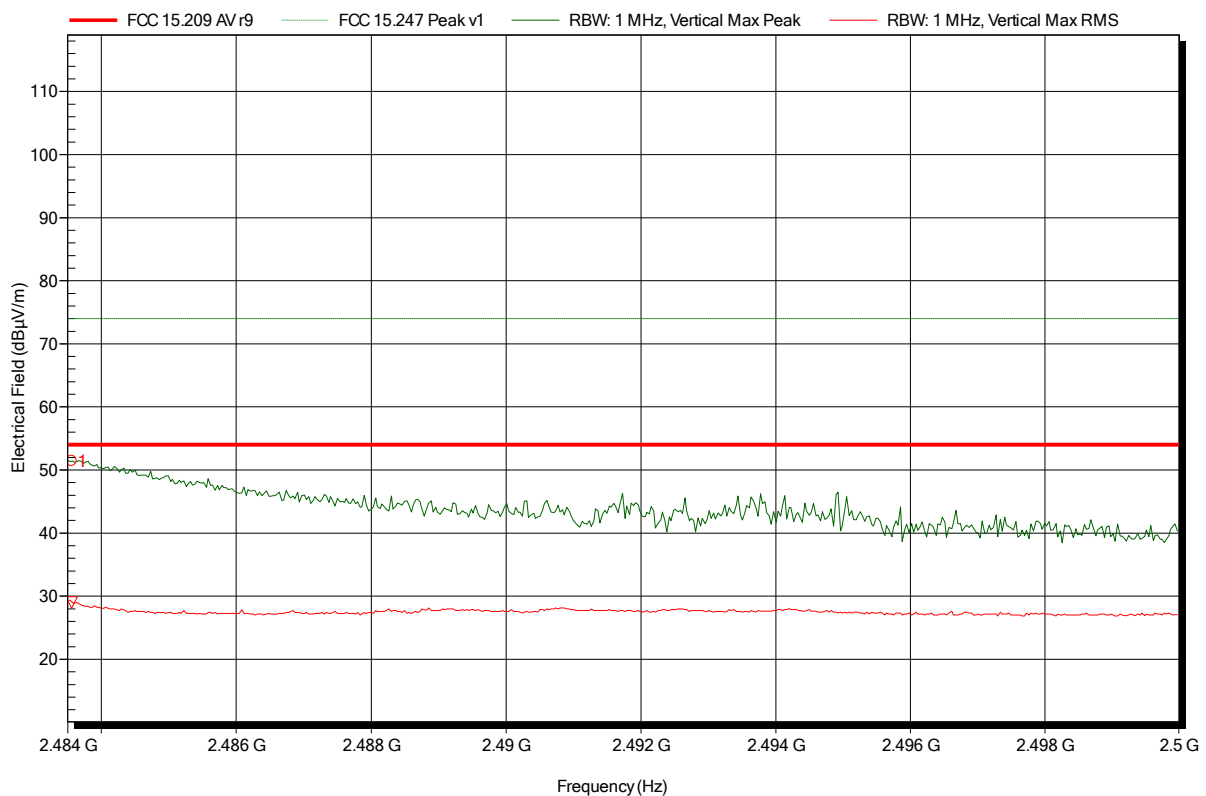


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Vertical
 Measurement distance: 3 m
 Mode: TX; BLE; CH. 39; 2480 MHz; TX-mode
 Test Date: 2015-06-09
 Note: EUT horizontal; higher bandedge

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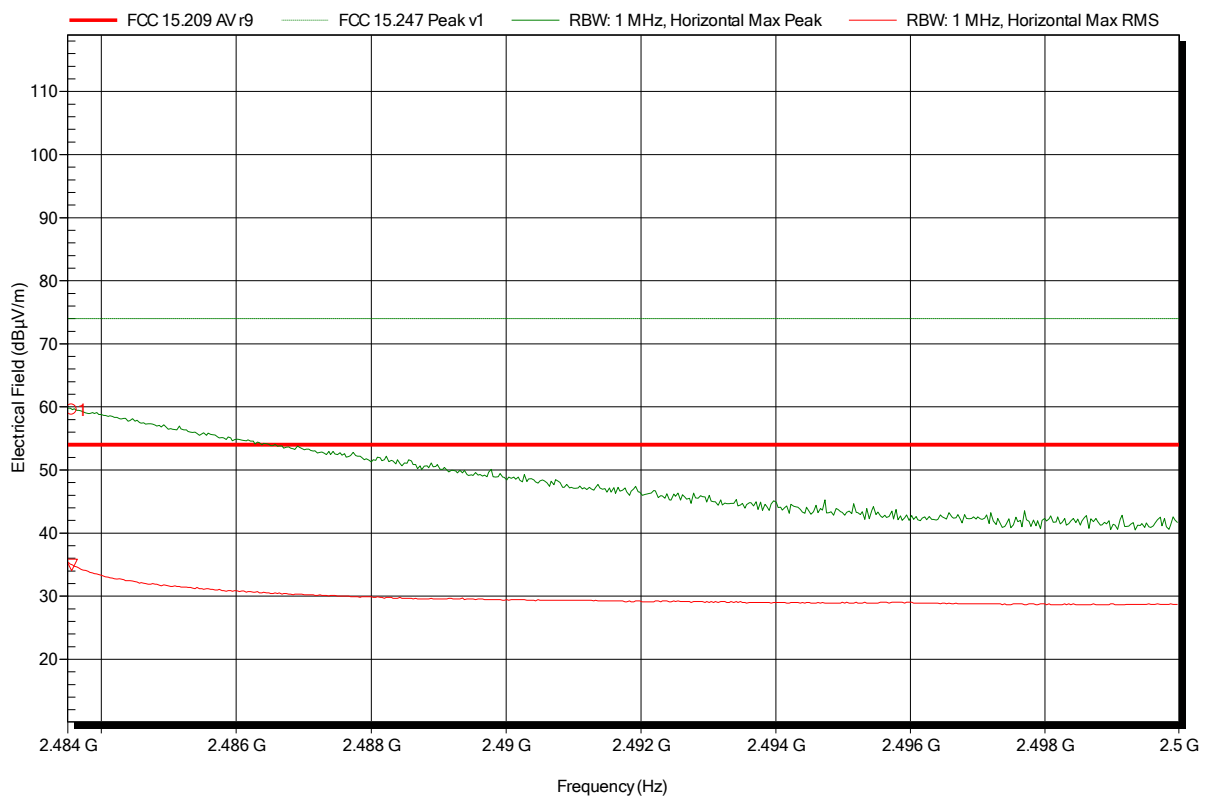
Frequency 2.484 GHz	Peak 51.4 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -22.6 dB	Peak Status Pass
Frequency 2.484 GHz	RMS 28.98 dBµV/m	RMS Limit 54 dBµV/m	RMS Difference -25.02 dB	RMS Status Pass

Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Horizontal
 Measurement distance: 3 m
 Mode: TX; BLE; CH. 39; 2480 MHz; TX-mode
 Test Date: 2015-06-09
 Note: EUT horizontal; higher bandedge

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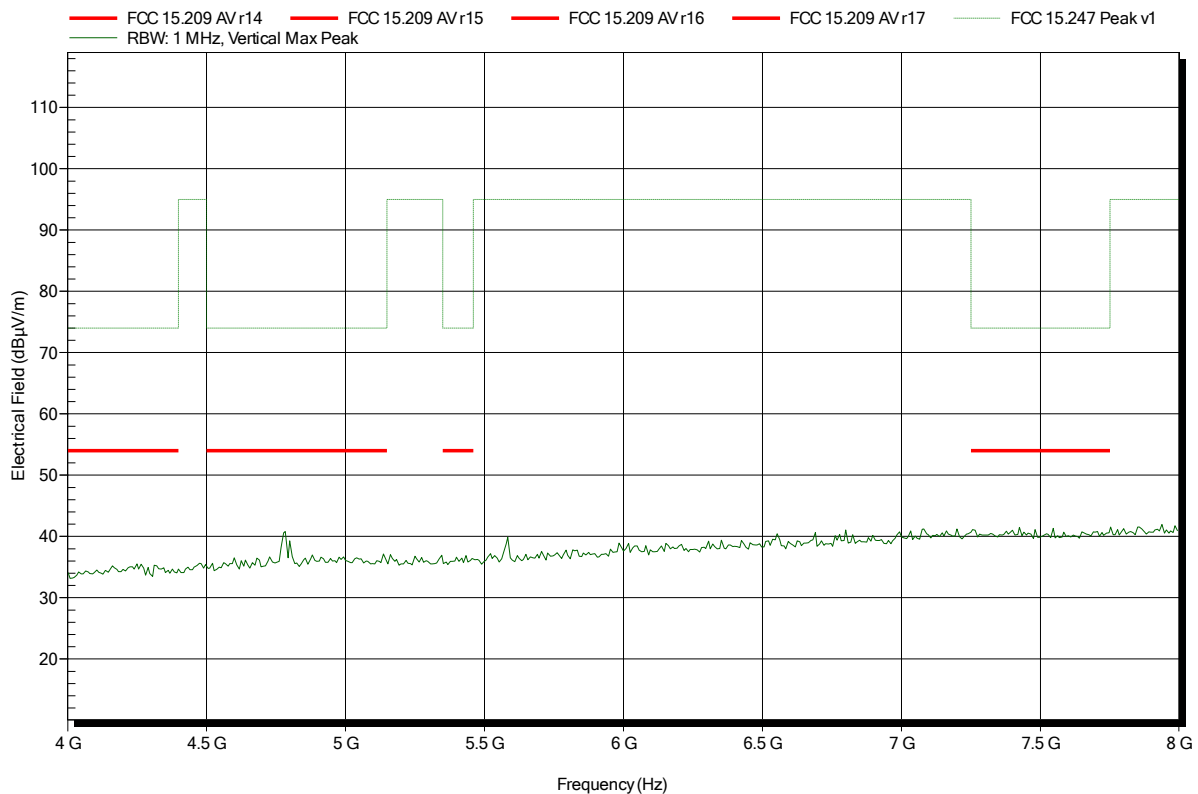


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Vertical
 Measurement distance: 1 m converted to 3m
 Mode: TX; BLE; CH. 1; 2402 MHz; TX-mode
 Test Date: 2015-06-09
 Note: EUT horizontal

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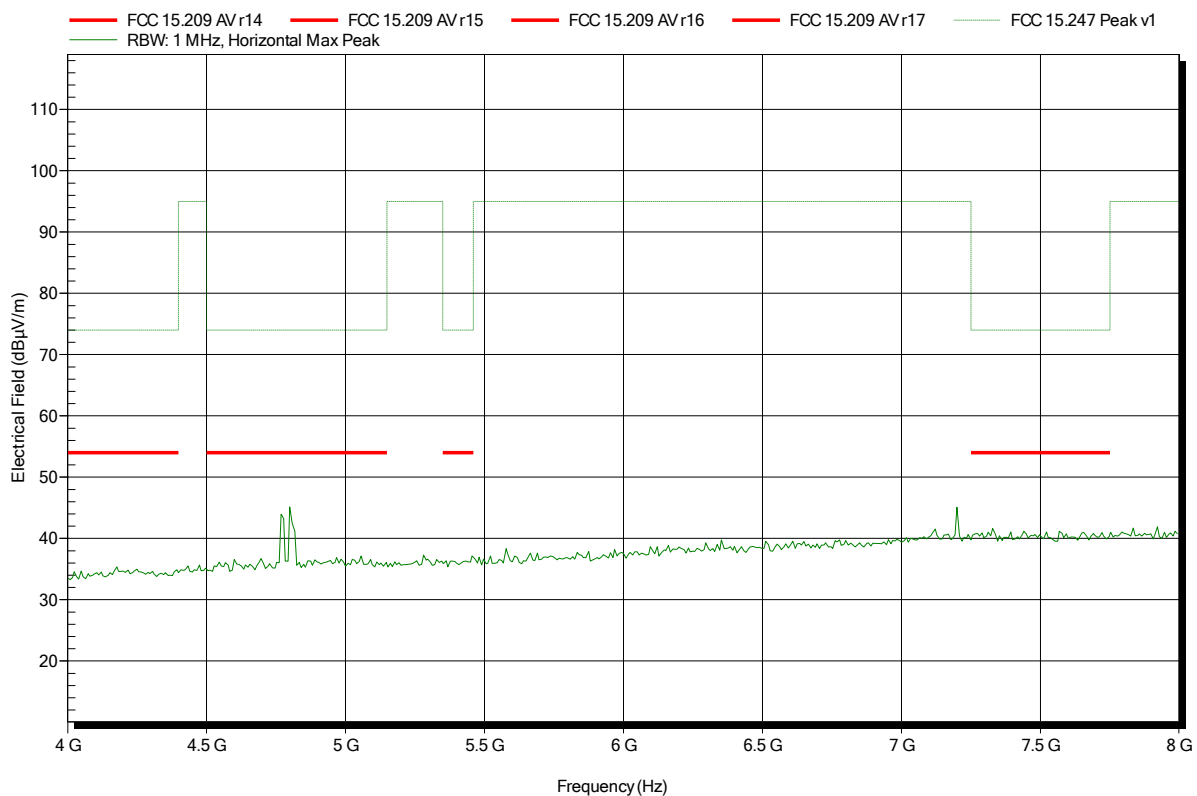


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: GOM-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Horizontal
 Measurement distance: 1 m converted to 3m
 Mode: TX; BLE; CH. 1; 2402 MHz; TX-mode
 Test Date: 2015-06-09
 Note: EUT horizontal

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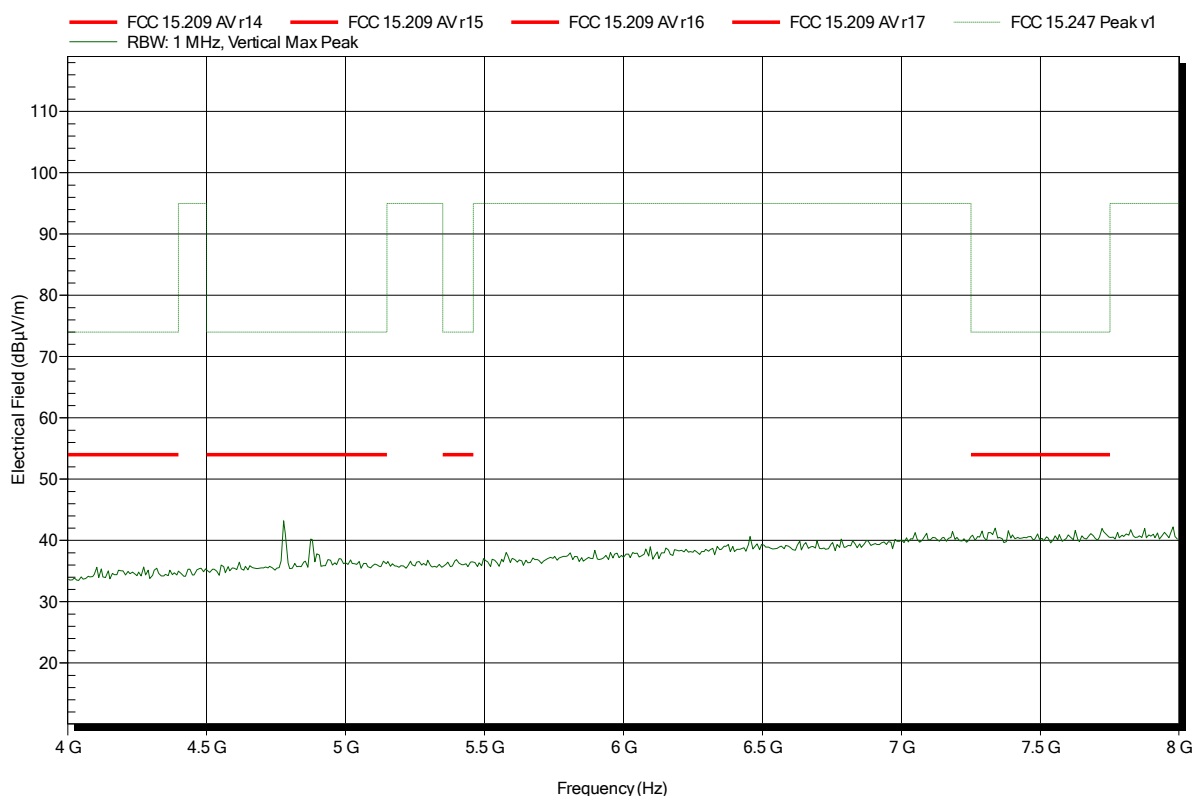


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Vertical
 Measurement distance: 1 m converted to 3m
 Mode: TX; BLE; CH. 19; 2440 MHz; TX-mode
 Test Date: 2015-06-09
 Note: EUT horizontal

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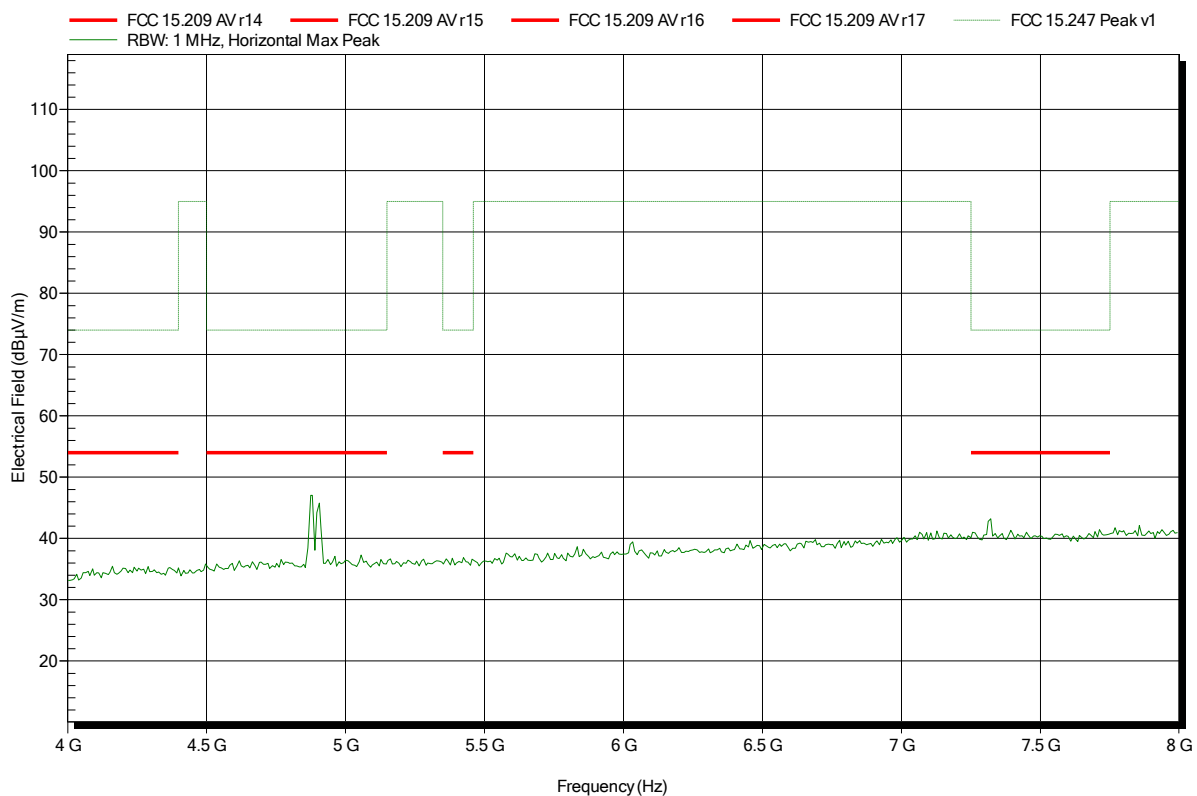


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: GOM-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Horizontal
 Measurement distance: 1 m converted to 3m
 Mode: TX; BLE; CH. 19; 2440 MHz; TX-mode
 Test Date: 2015-06-09
 Note: EUT horizontal

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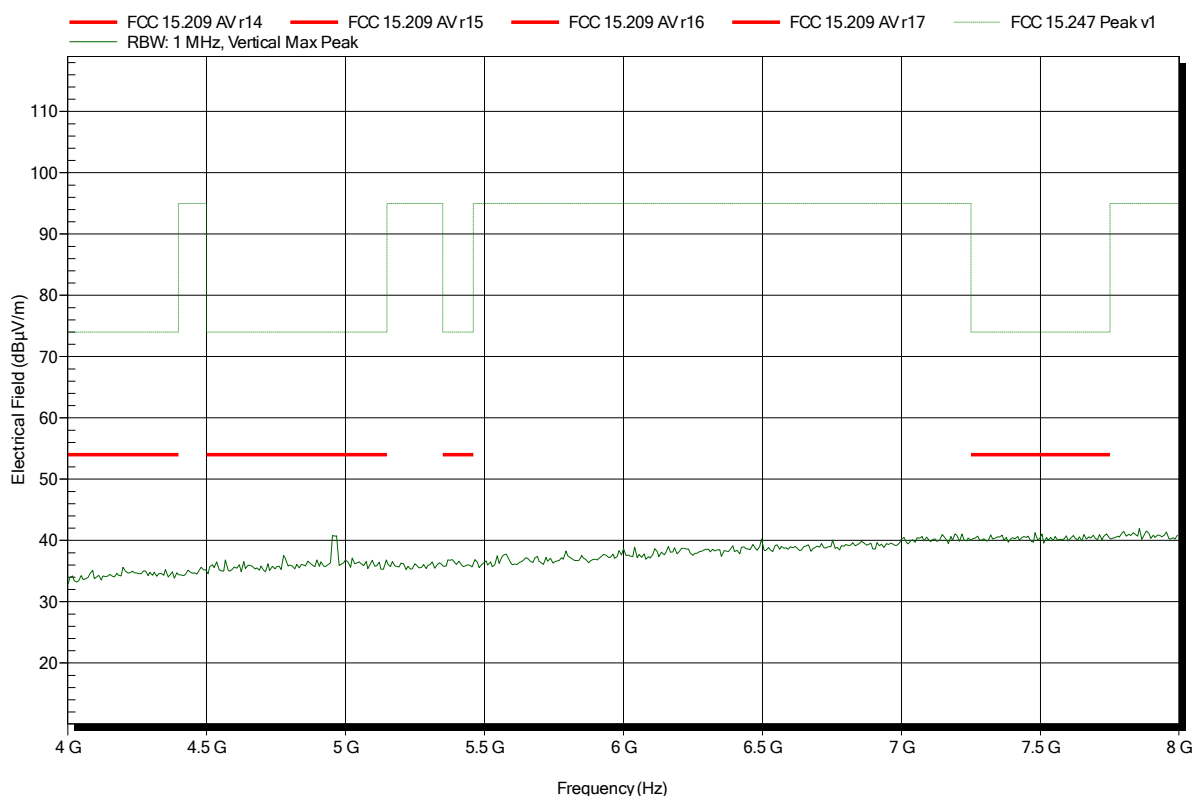


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Vertical
 Measurement distance: 1 m converted to 3m
 Mode: TX; BLE; CH. 39; 2480 MHz; TX-mode
 Test Date: 2015-06-09
 Note: EUT horizontal

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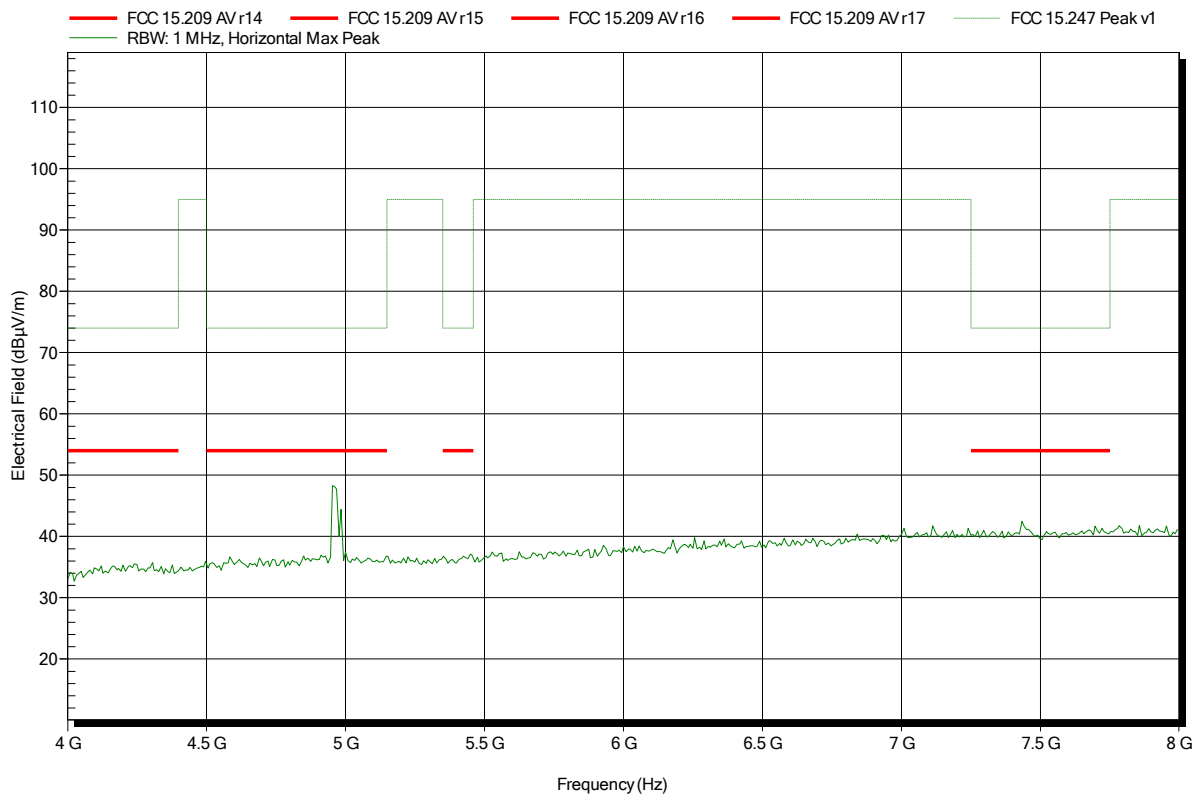


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Horizontal
 Measurement distance: 1 m converted to 3m
 Mode: TX; BLE; CH. 39; 2480 MHz; TX-mode
 Test Date: 2015-06-09
 Note: EUT horizontal

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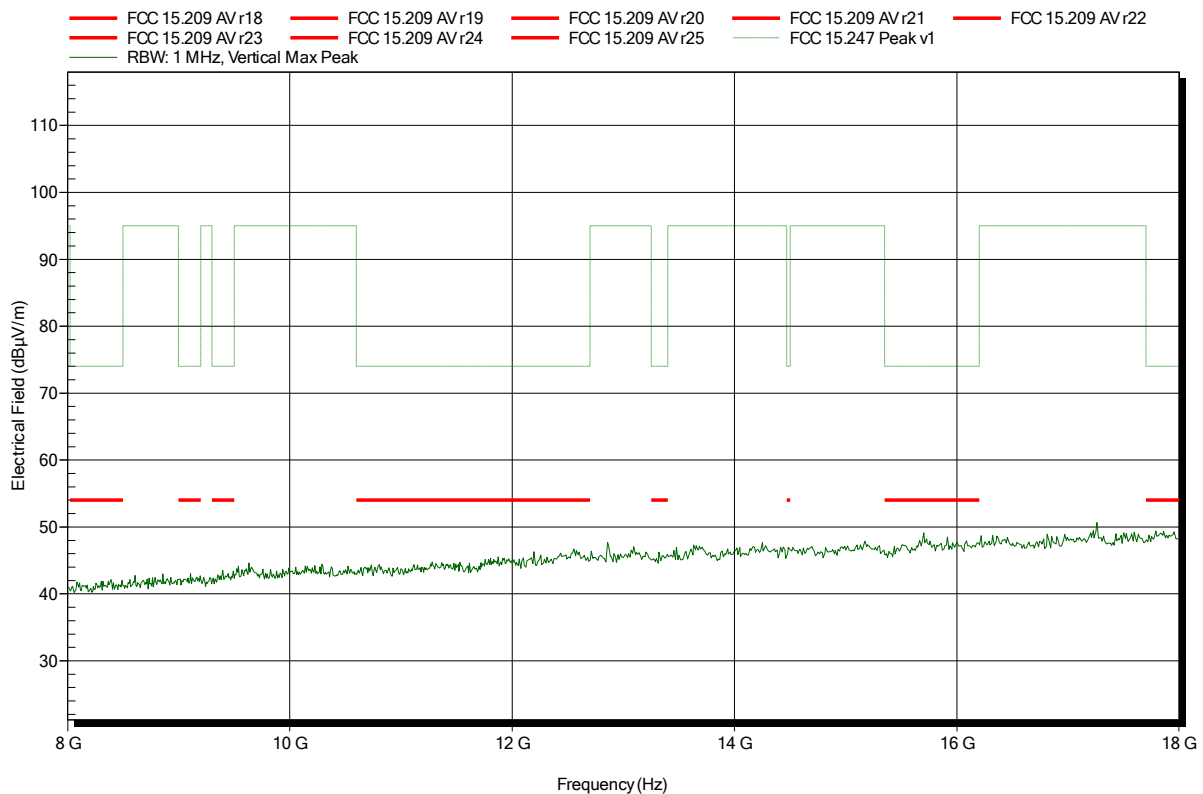


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: GOM-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Vertical
 Measurement distance: 1 m converted to 3m
 Mode: TX; BLE; CH. 1; 2402 MHz; TX-mode
 Test Date: 2015-06-04
 Note: EUT horizontal

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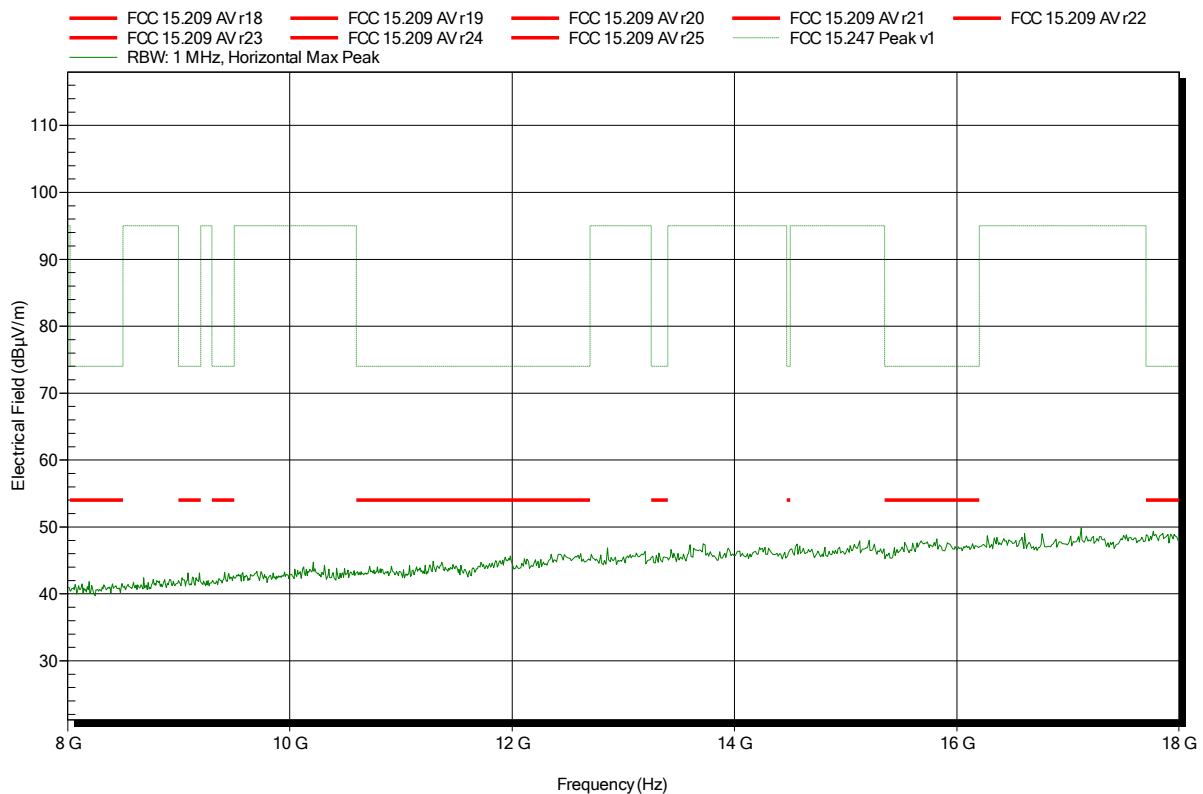


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: GOM-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Horizontal
 Measurement distance: 1 m converted to 3m
 Mode: TX; BLE; CH. 1; 2402 MHz; TX-mode
 Test Date: 2015-06-04
 Note: EUT horizontal

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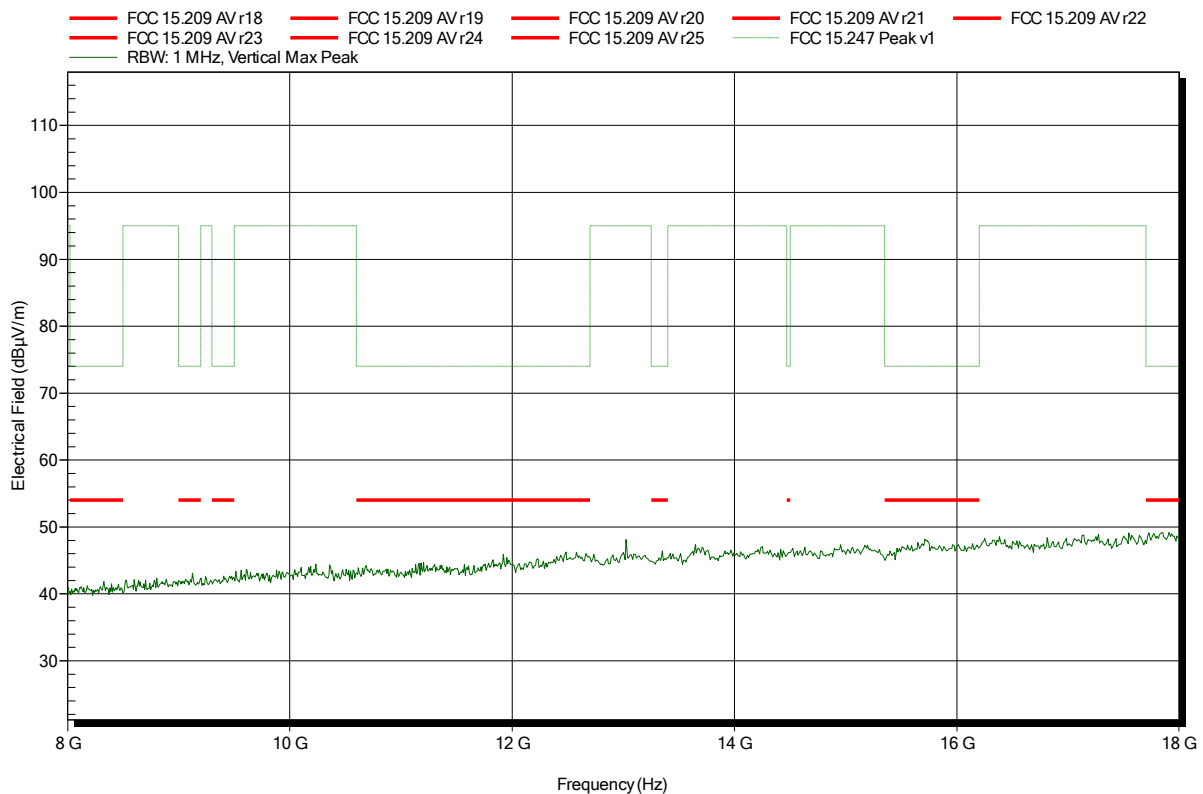


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: GOM-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Vertical
 Measurement distance: 1 m converted to 3m
 Mode: TX; BLE; CH. 19; 2440 MHz; TX-mode
 Test Date: 2015-06-04
 Note: EUT horizontal

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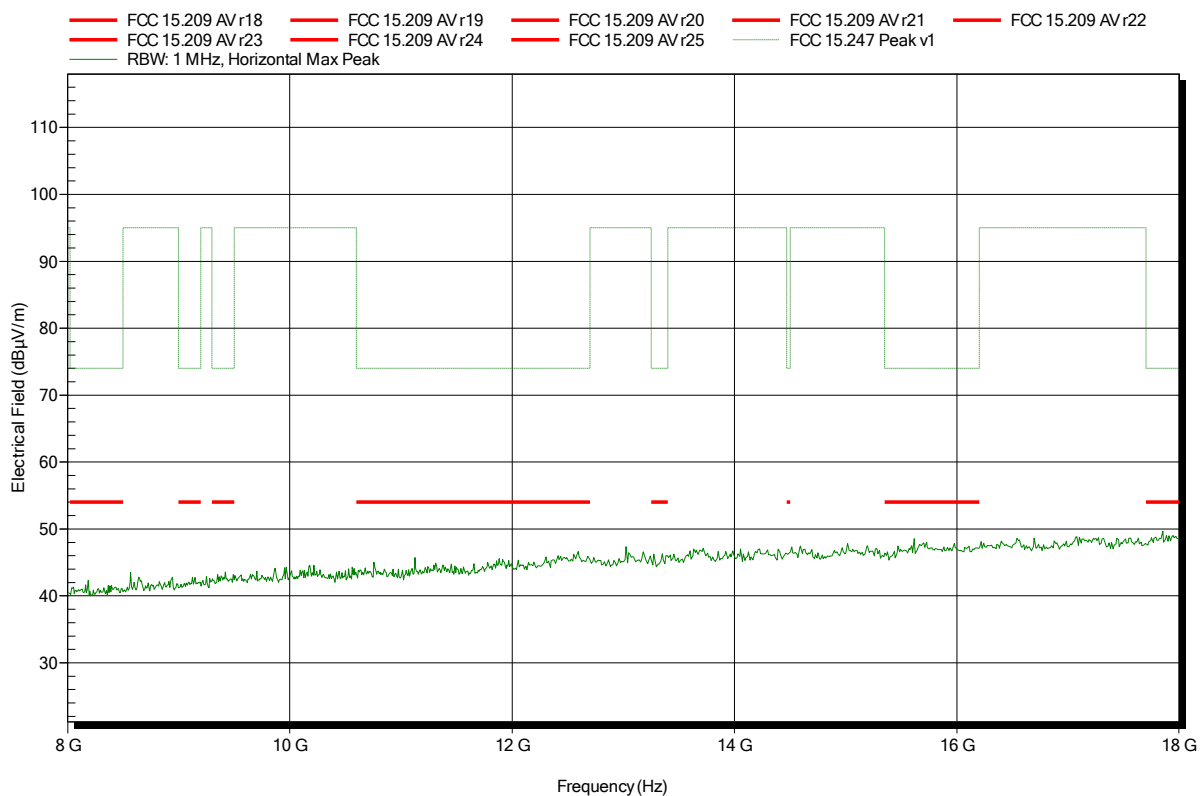


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: GOM-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Horizontal
 Measurement distance: 1 m converted to 3m
 Mode: TX; BLE; CH. 19; 2440 MHz; TX-mode
 Test Date: 2015-06-04
 Note: EUT horizontal

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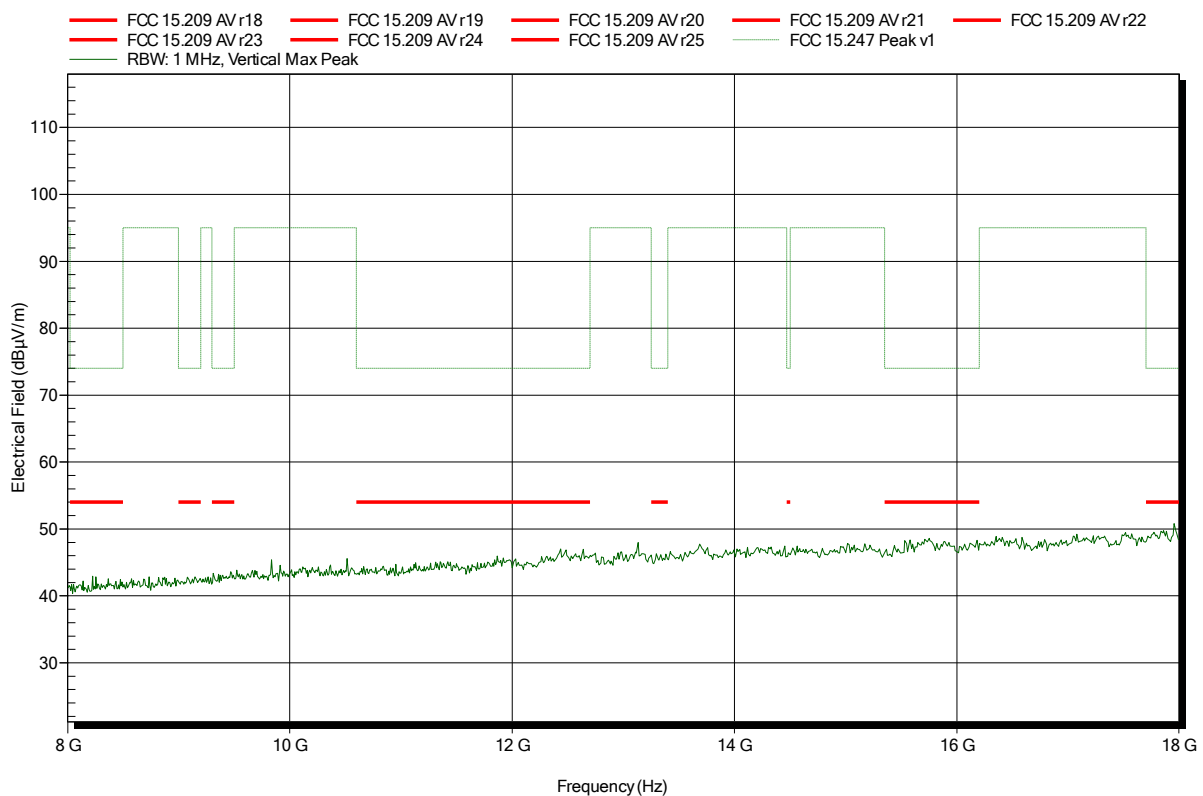


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: GOM-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Vertical
 Measurement distance: 1 m converted to 3m
 Mode: TX; BLE; CH. 39; 2480 MHz; TX-mode
 Test Date: 2015-06-05
 Note: EUT horizontal

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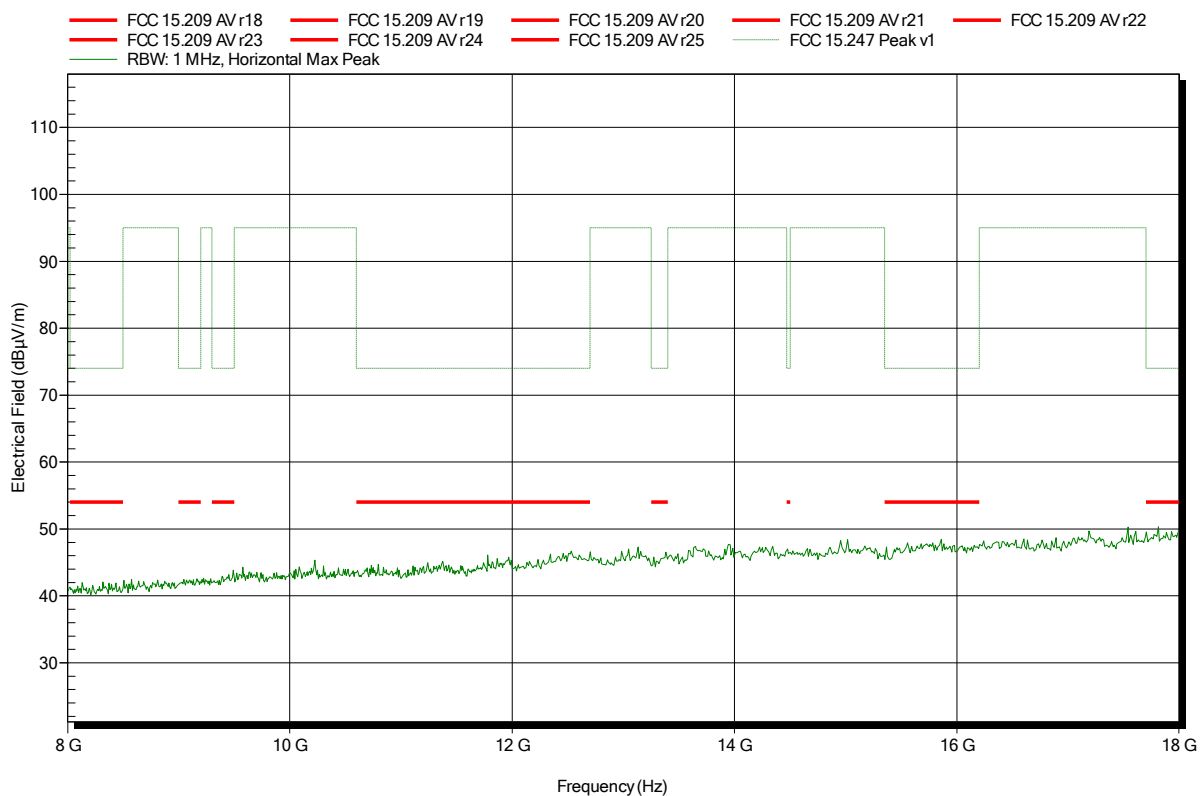


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: GOM-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Horizontal
 Measurement distance: 1 m converted to 3m
 Mode: TX; BLE; CH. 39; 2480 MHz; TX-mode
 Test Date: 2015-06-05
 Note: EUT horizontal

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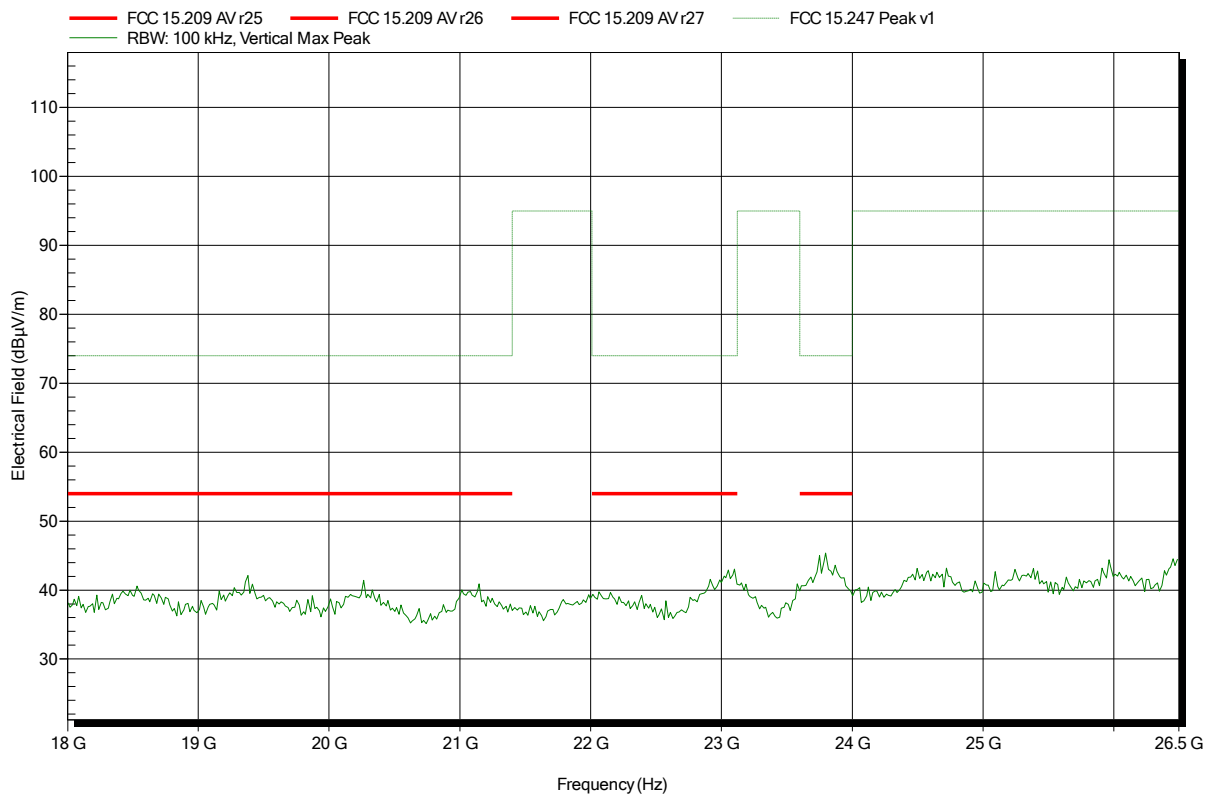


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Vertical
 Measurement distance: 1 m converted to 3m
 Mode: TX; BLE; CH. 1; 2402 MHz; TX-mode
 Test Date: 2015-06-04
 Note: EUT horizontal

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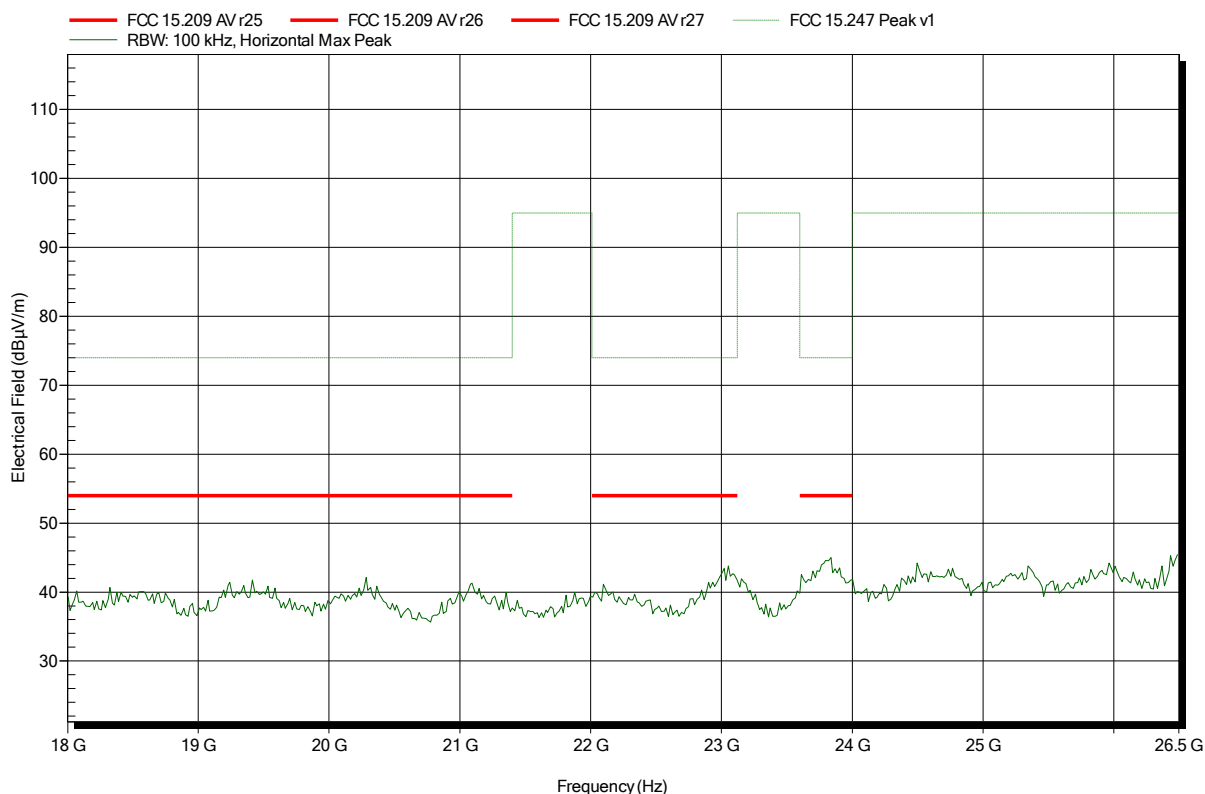


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Horizontal
 Measurement distance: 1 m converted to 3m
 Mode: TX; BLE; CH. 1; 2402 MHz; TX-mode
 Test Date: 2015-06-04
 Note: EUT horizontal

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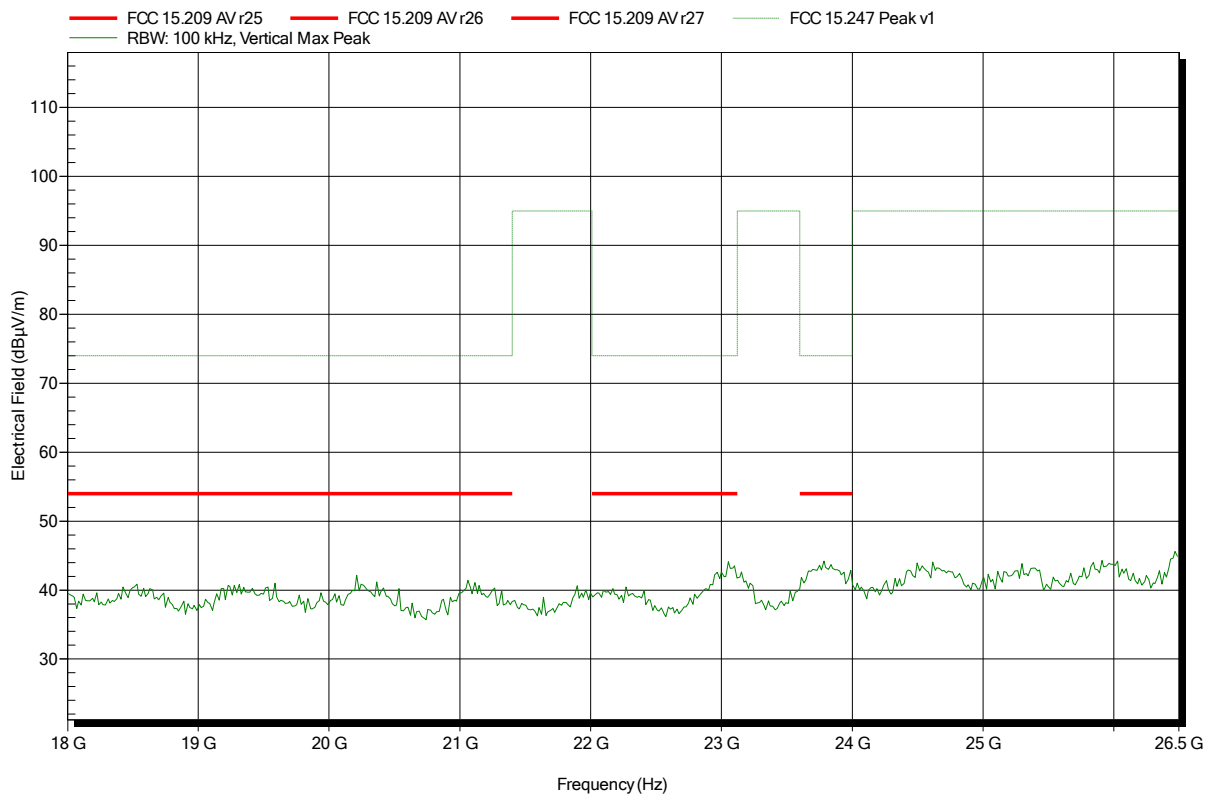


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Vertical
 Measurement distance: 1 m converted to 3m
 Mode: TX; BLE; CH. 19; 2440 MHz; TX-mode
 Test Date: 2015-06-04
 Note: EUT horizontal

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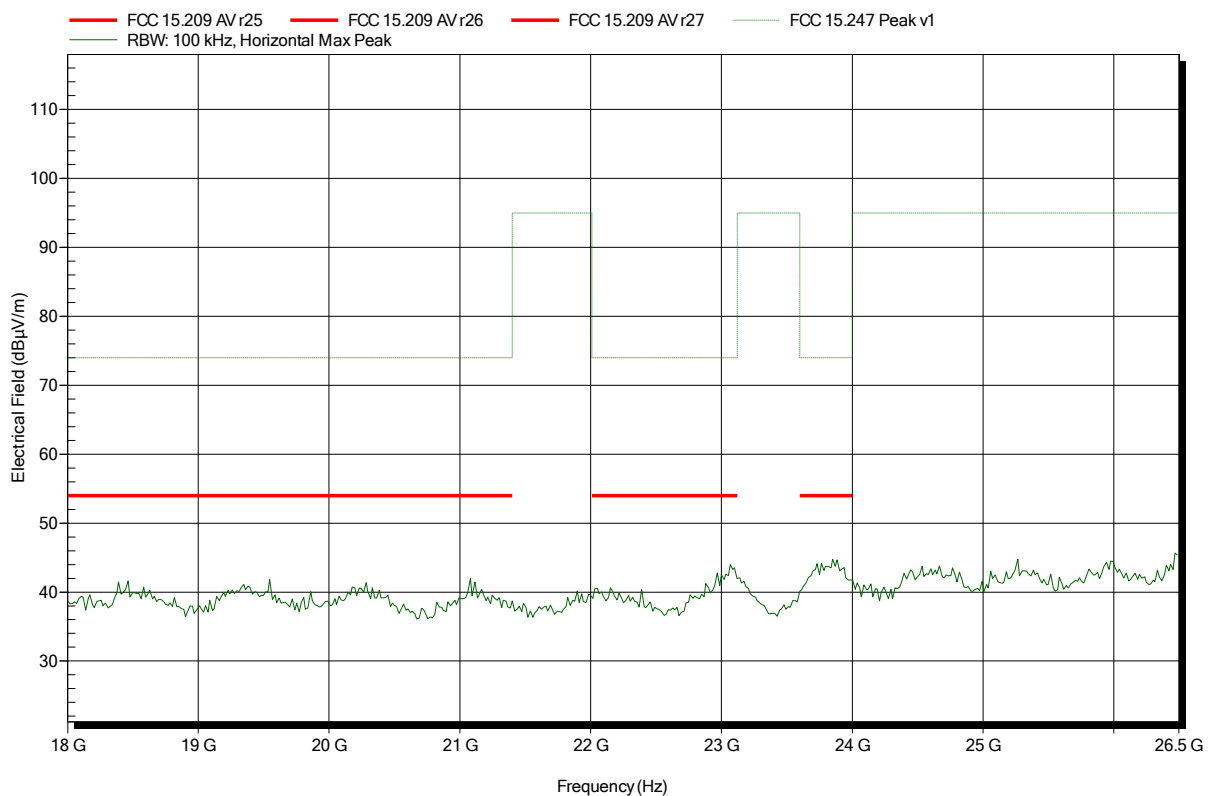


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Horizontal
 Measurement distance: 1 m converted to 3m
 Mode: TX; BLE; CH. 19; 2440 MHz; TX-mode
 Test Date: 2015-06-04
 Note: EUT horizontal

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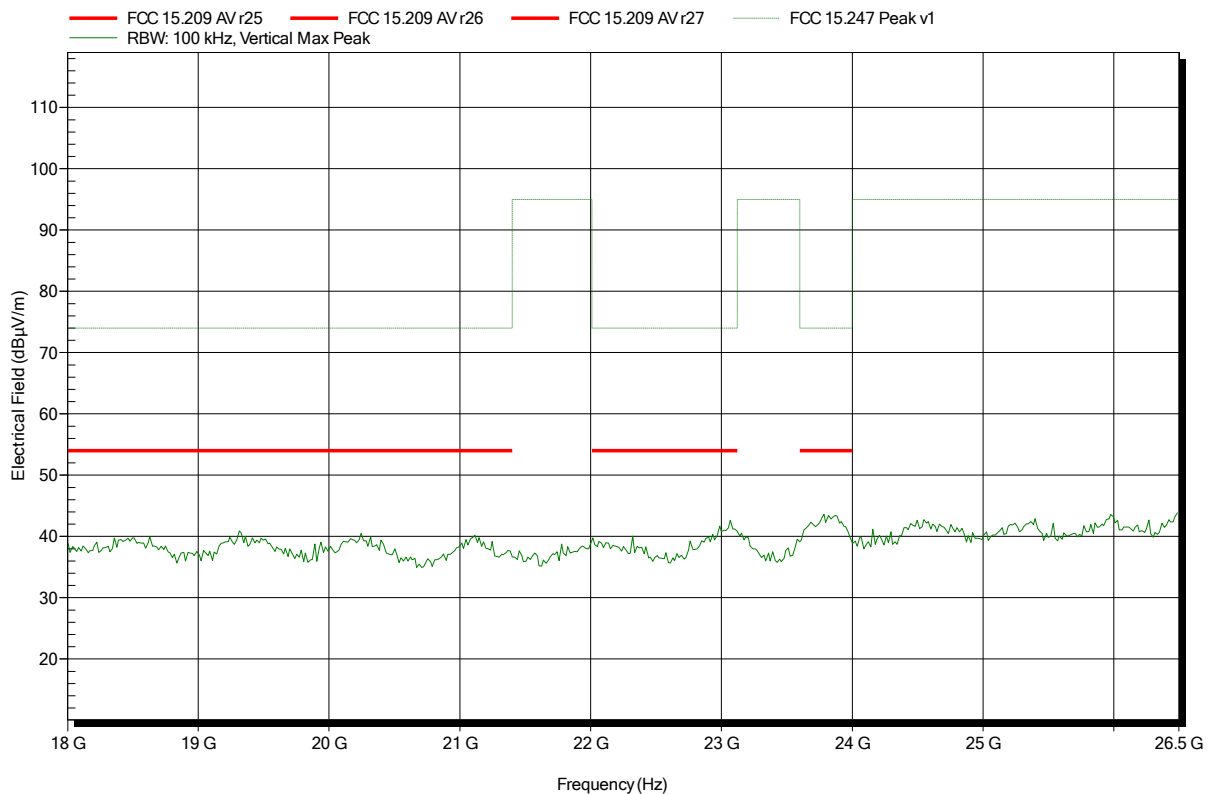


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Vertical
 Measurement distance: 1 m converted to 3m
 Mode: TX; BLE; CH. 39; 2480 MHz; TX-mode
 Test Date: 2015-06-05
 Note: EUT horizontal

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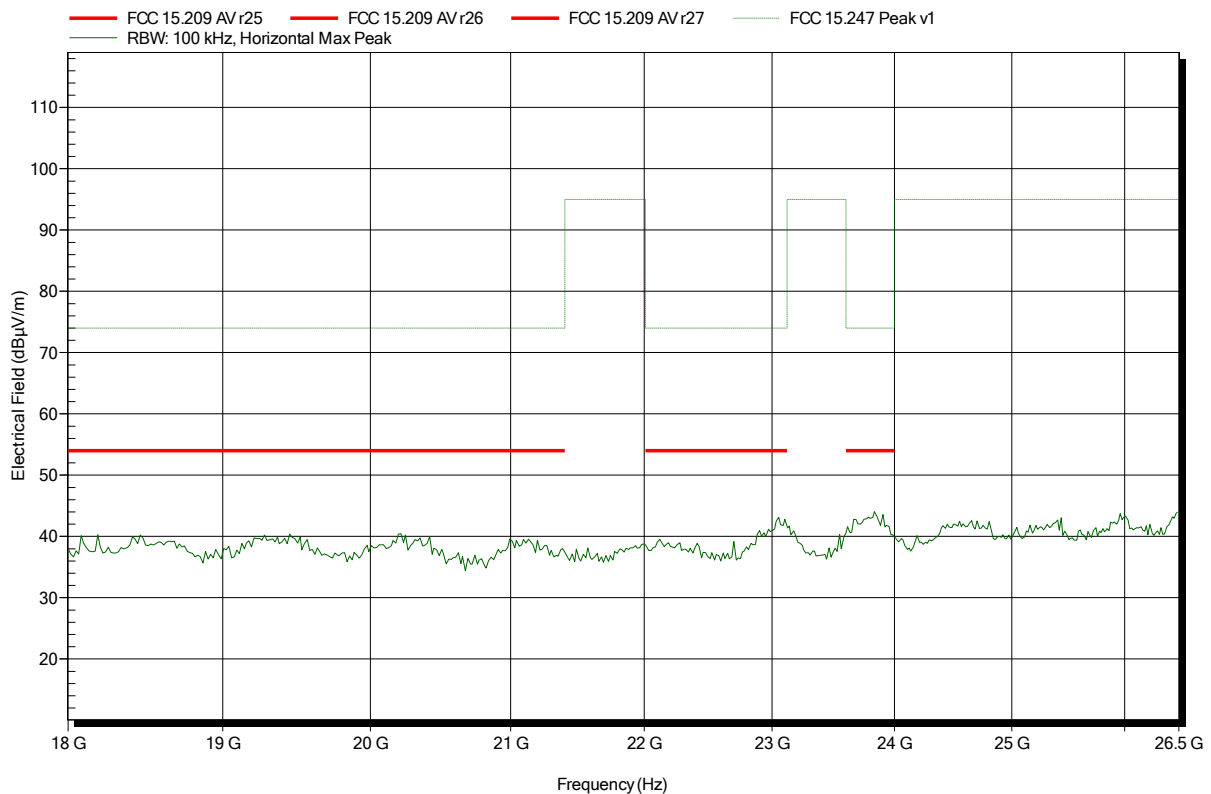


Spurious emissions according to FCC part 15 Subpart C § 15.247

Project number: G0M-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Test Conditions: Tnom: 24°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 025, Horizontal
 Measurement distance: 1 m converted to 3m
 Mode: TX; BLE; CH. 39; 2480 MHz; TX-mode
 Test Date: 2015-06-05
 Note: EUT horizontal

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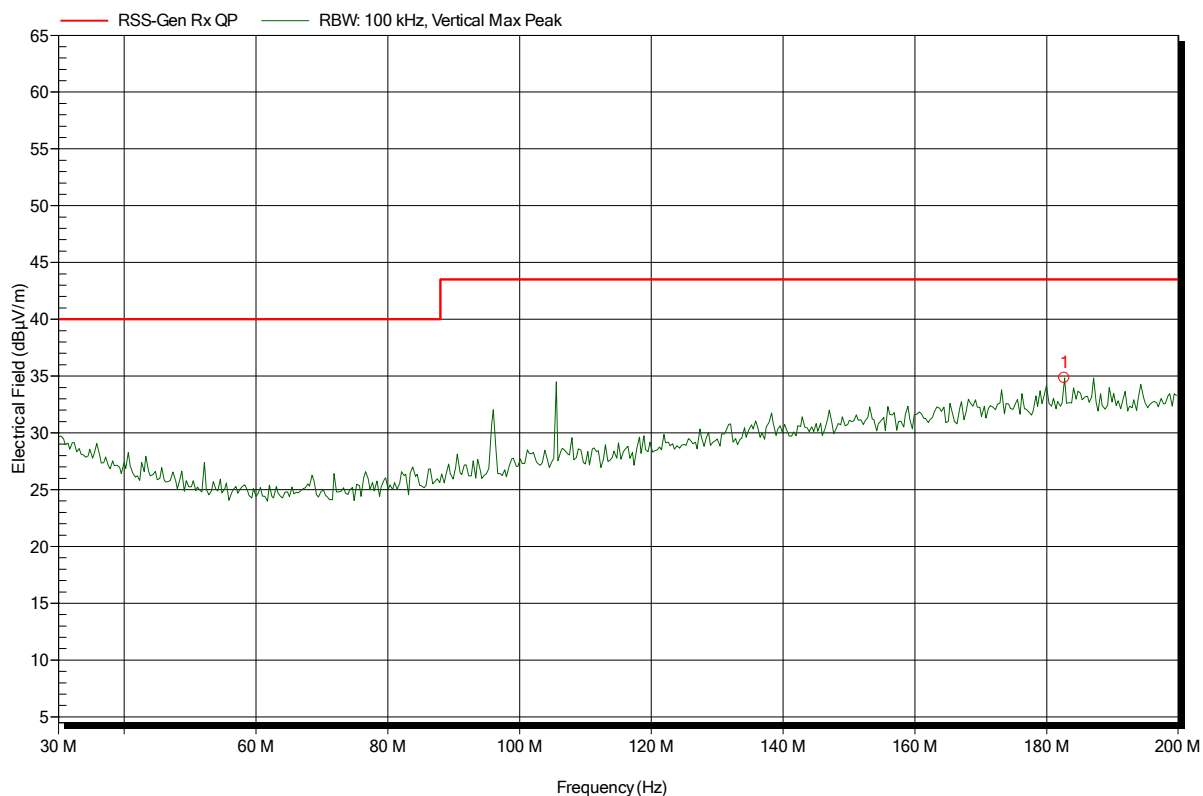
ANNEX B Receiver radiated spurious emissions

Spurious emissions according to RSS-Gen Issue 4

Project number: G0M-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HK 116, Vertical
 Measurement distance: 3 m
 Mode: RX; BLE; 2440 MHz
 Test Date: 2015-08-28
 Note: EUT horizontal

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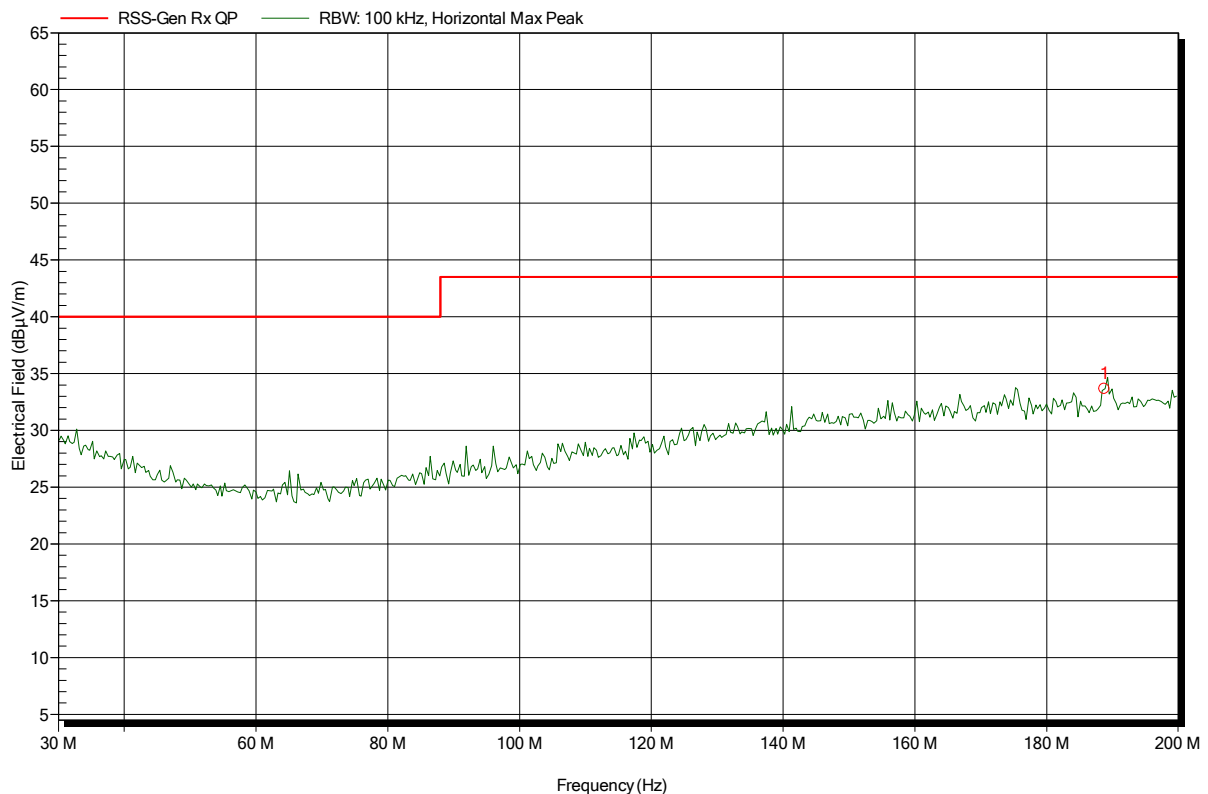
Frequency	Peak	Peak Limit	Peak Difference	Status
182.66 MHz	34.84 dBµV/m	43.5 dBµV/m	-8.66 dB	Pass

Spurious emissions according to RSS-Gen Issue 4

Project number: G0M-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HK 116, Horizontal
 Measurement distance: 3 m
 Mode: RX; BLE; 2440 MHz
 Test Date: 2015-08-28
 Note: EUT horizontal

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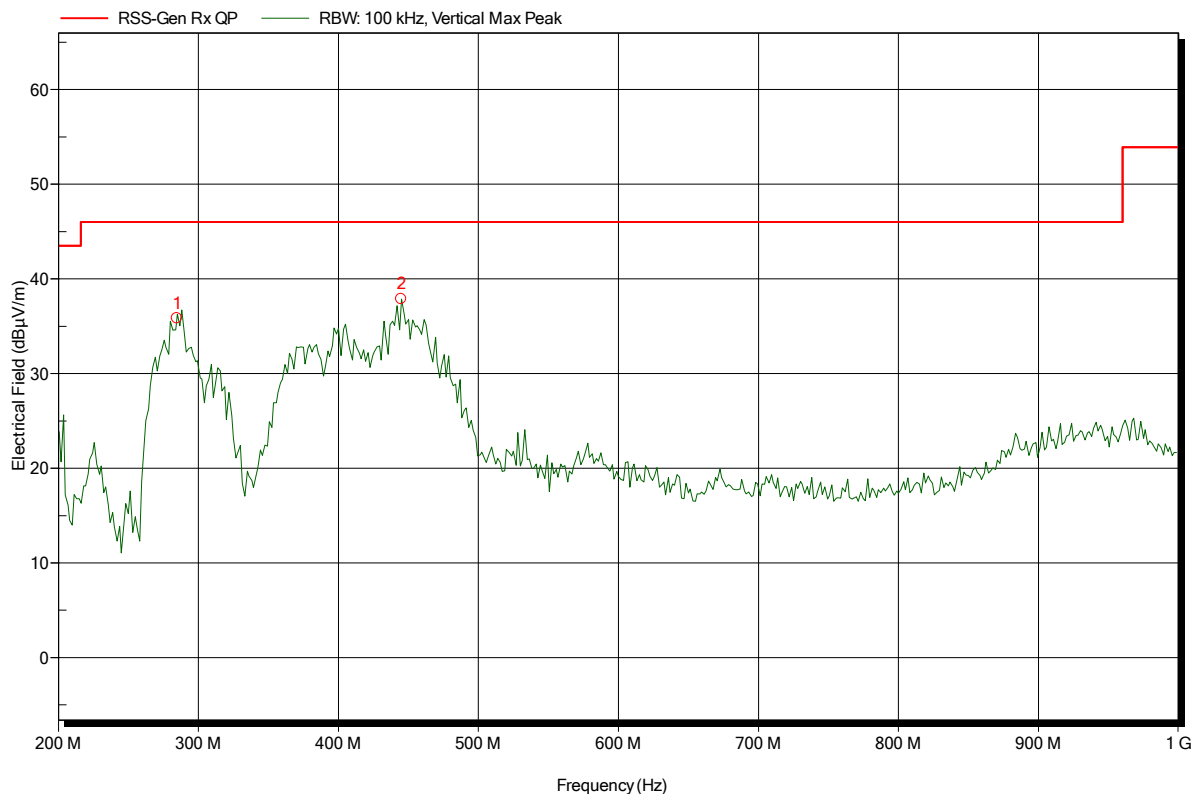
Frequency	Peak	Peak Limit	Peak Difference	Status
188.78 MHz	33.66 dBµV/m	43.5 dBµV/m	-9.84 dB	Pass

Spurious emissions according to RSS-Gen Issue 4

Project number: GOM-1505-4759

Applicant: tado GmbH
EUT Name: tado Smart AC Control
Model: WR01
Test Site: Eurofins Product Service GmbH
Operator: Mr. Handrik
Test Conditions: Tnom: 22°C, Vnom: 5.0 V DC (USB-power)
Antenna: Rohde & Schwarz HL 223, Vertical
Measurement distance: 3 m
Mode: RX; BLE; 2440 MHz
Test Date: 2015-08-28
Note: EUT horizontal

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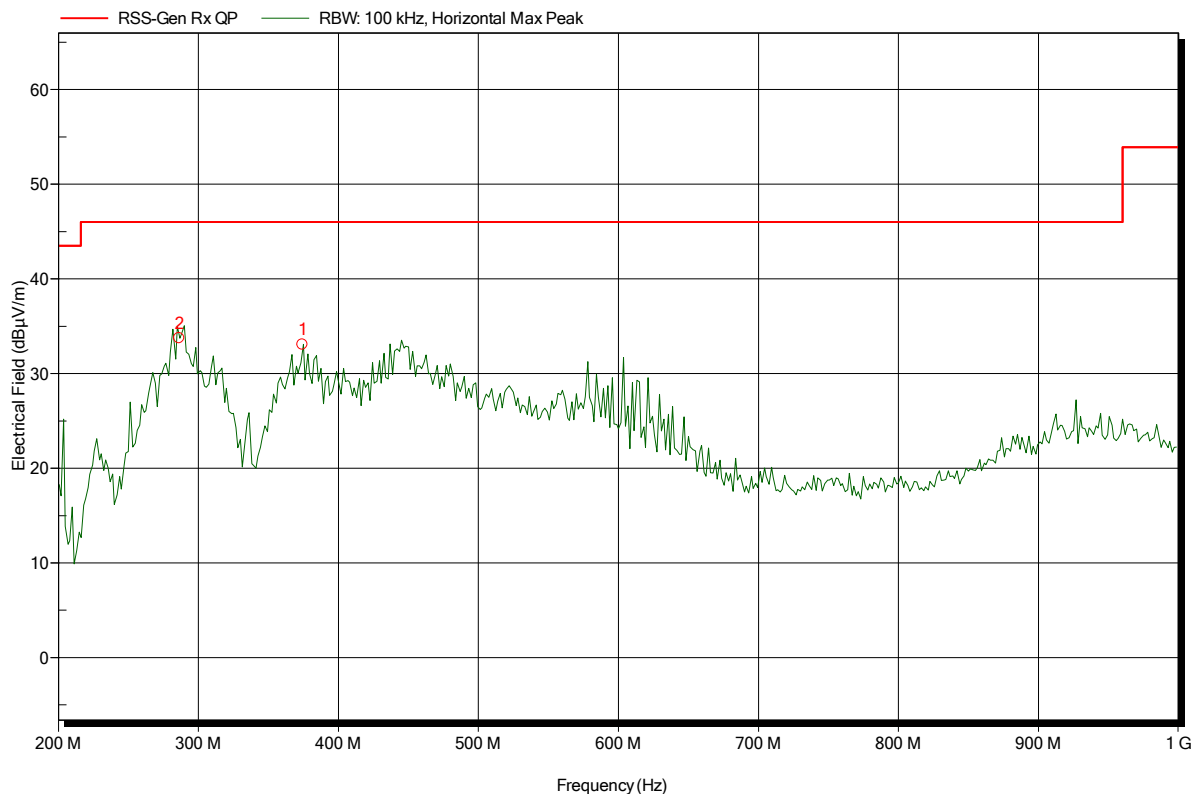
Frequency	Peak	Peak Limit	Peak Difference	Status
284.8 MHz	35.82 dBµV/m	46 dBµV/m	-10.18 dB	Pass
444.8 MHz	37.87 dBµV/m	46 dBµV/m	-8.13 dB	Pass

Spurious emissions according to RSS-Gen Issue 4

Project number: GOM-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Rohde & Schwarz HL 223, Horizontal
 Measurement distance: 3 m
 Mode: RX; BLE; 2440 MHz
 Test Date: 2015-08-28
 Note: EUT horizontal

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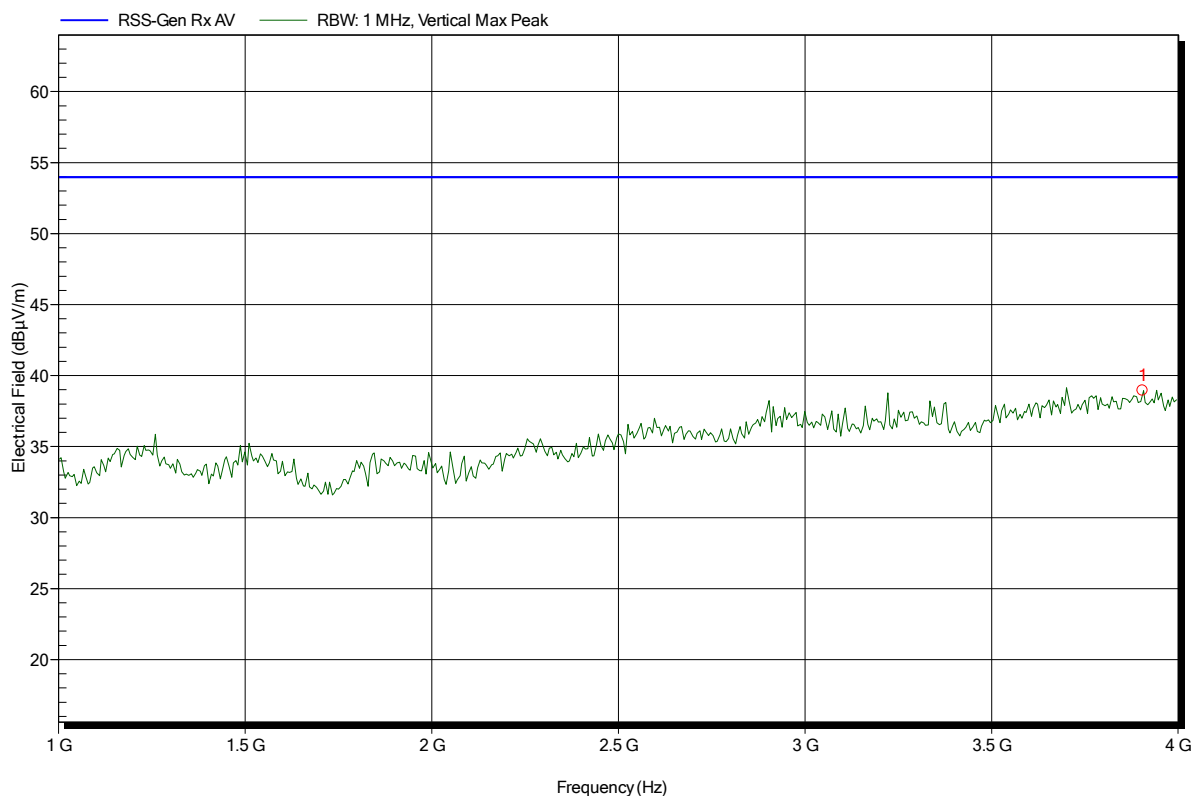
Frequency	Peak	Peak Limit	Peak Difference	Status
286.4 MHz	33.74 dBµV/m	46 dBµV/m	-12.26 dB	Pass
374.4 MHz	33.07 dBµV/m	46 dBµV/m	-12.93 dB	Pass

Spurious emissions according to RSS-Gen Issue 4

Project number: GOM-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 3 m
 Mode: RX; BLE; 2440 MHz
 Test Date: 2015-08-28
 Note: EUT horizontal

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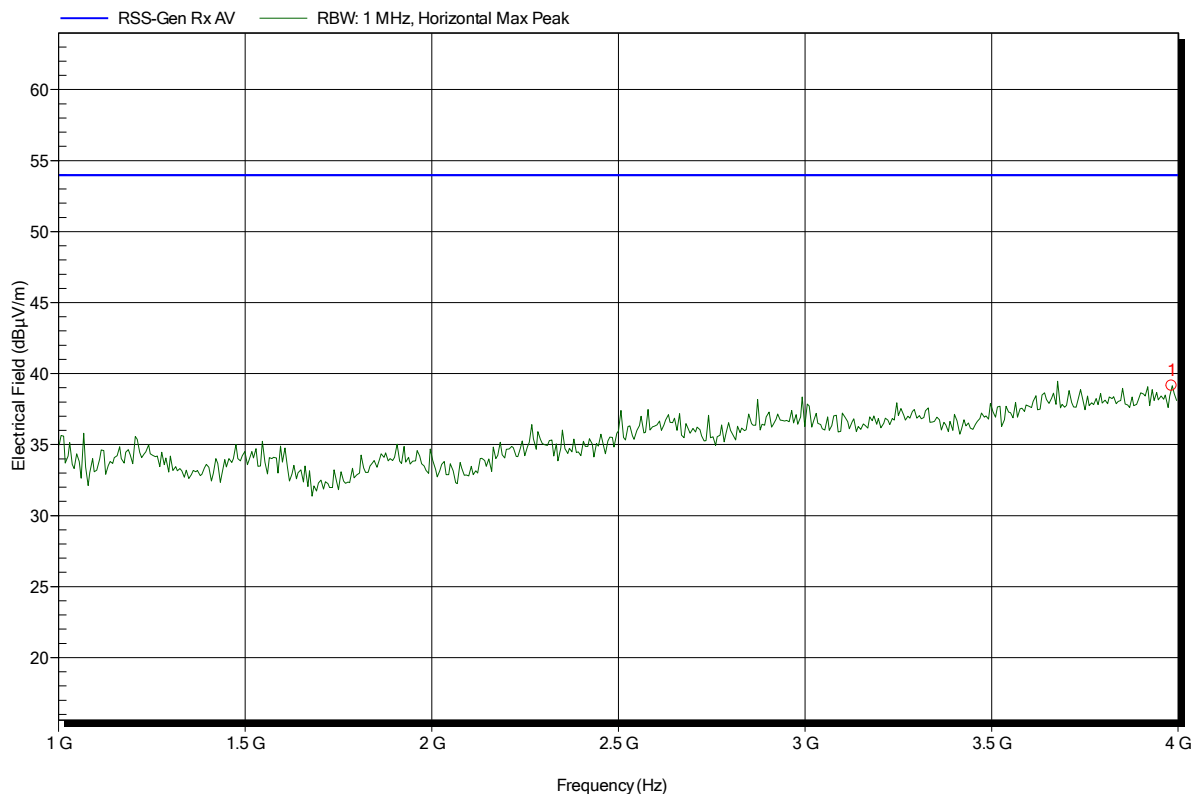
Frequency	Peak	Peak Limit	Peak Difference	Peak Status
3.904 GHz	38.94 dBµV/m	53.98 dBµV/m	-15.04 dB	Pass

Spurious emissions according to RSS-Gen Issue 4

Project number: G0M-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3 m
 Mode: RX; BLE; 2440 MHz
 Test Date: 2015-08-28
 Note: EUT horizontal

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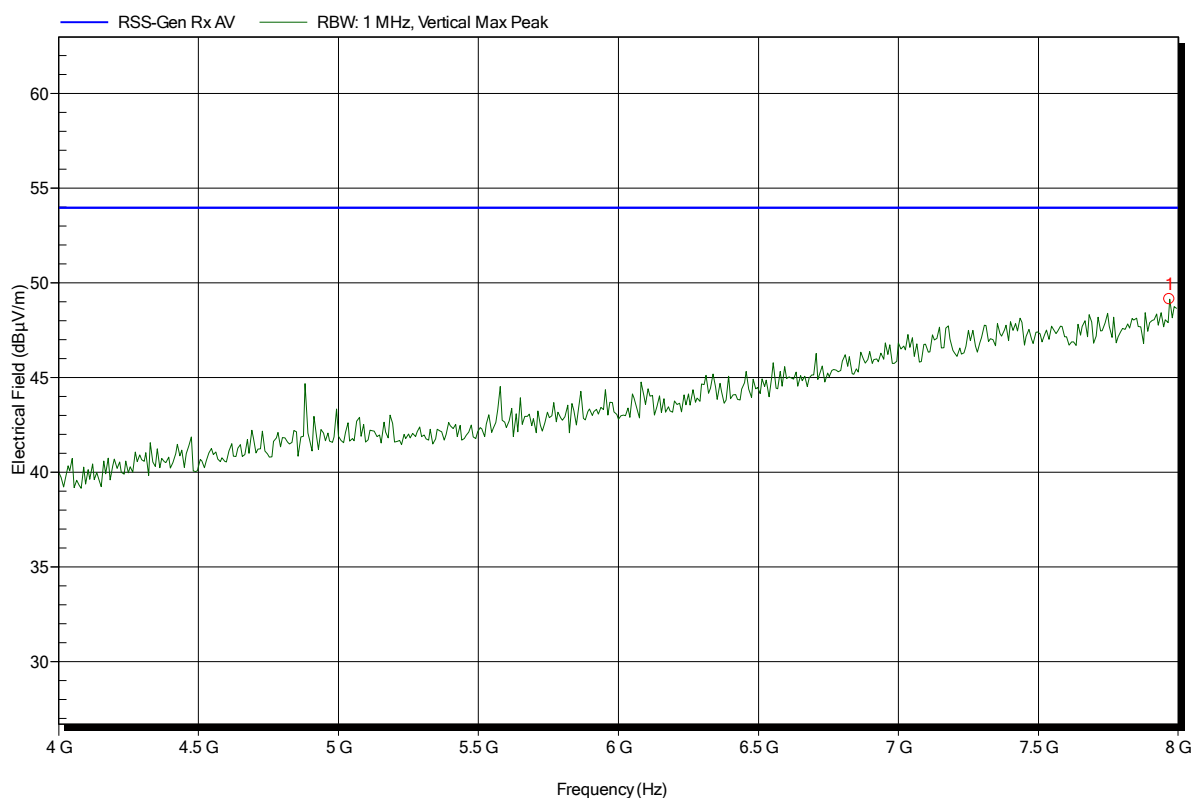
Frequency	Peak	Peak Limit	Peak Difference	Peak Status
3.982 GHz	39.14 dBµV/m	53.98 dBµV/m	-14.84 dB	Pass

Spurious emissions according to RSS-Gen Issue 4

Project number: GOM-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 3 m
 Mode: RX; BLE; 2440 MHz
 Test Date: 2015-08-28
 Note: EUT horizontal

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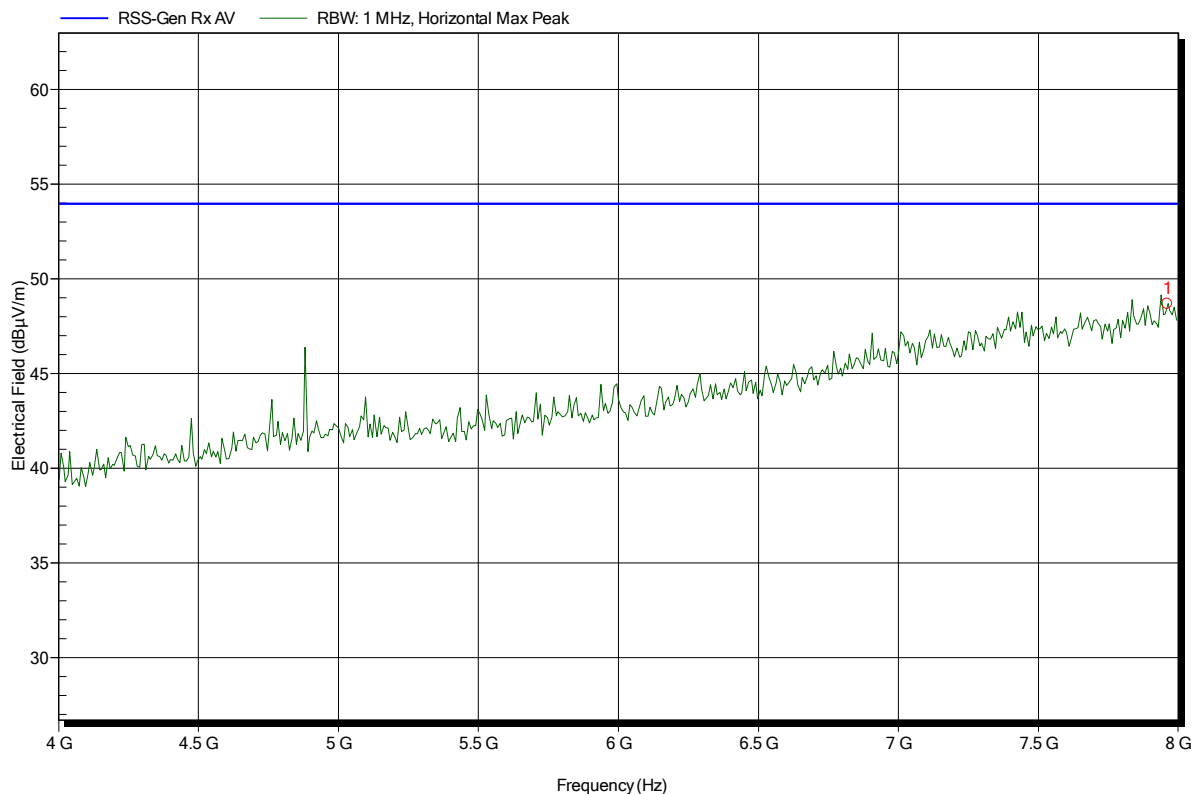
Frequency	Peak	Peak Limit	Peak Difference	Peak Status
7.968 GHz	49.14 dBµV/m	53.98 dBµV/m	-4.84 dB	Pass

Spurious emissions according to RSS-Gen Issue 4

Project number: GOM-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3 m
 Mode: RX; BLE; 2440 MHz
 Test Date: 2015-08-28
 Note: EUT horizontal

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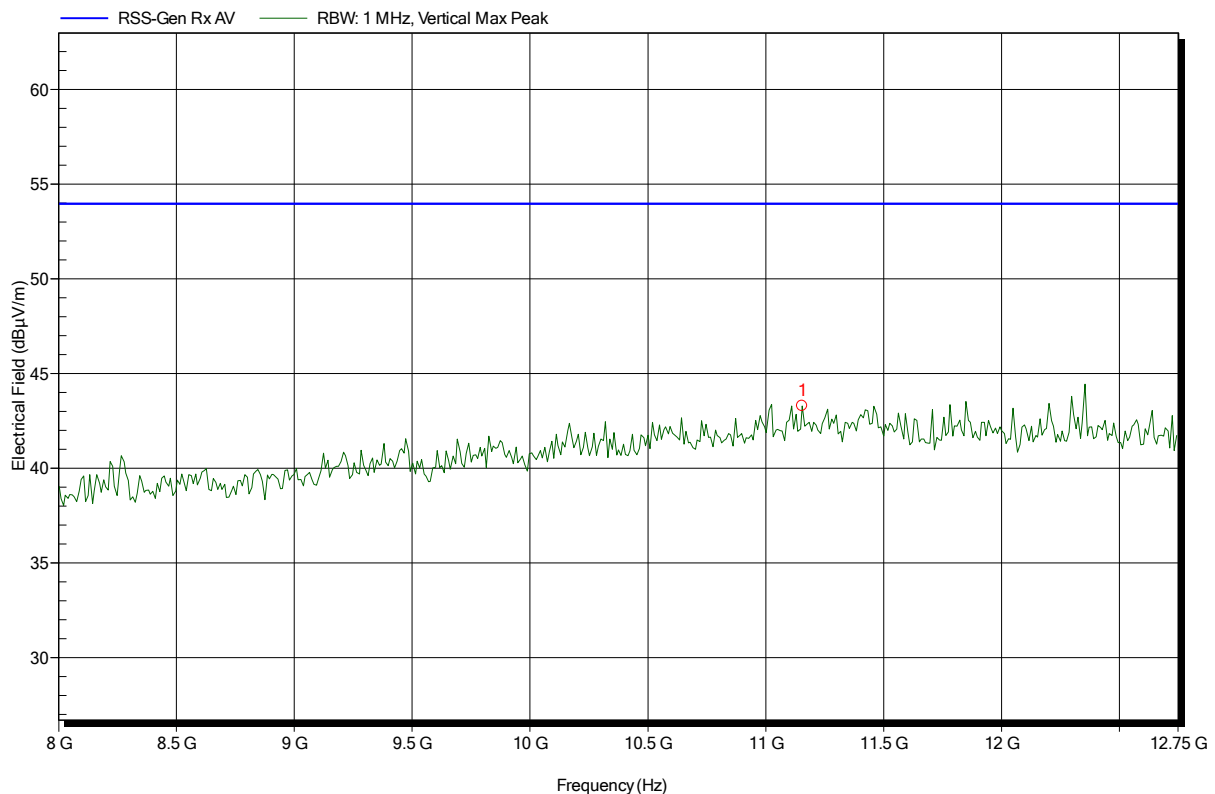
Frequency	Peak	Peak Limit	Peak Difference	Peak Status
7.96 GHz	48.67 dBµV/m	53.98 dBµV/m	-5.31 dB	Pass

Spurious emissions according to RSS-Gen Issue 4

Project number: G0M-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 1 m converted to 3m
 Mode: RX; BLE; 2440 MHz
 Test Date: 2015-08-28
 Note: EUT horizontal

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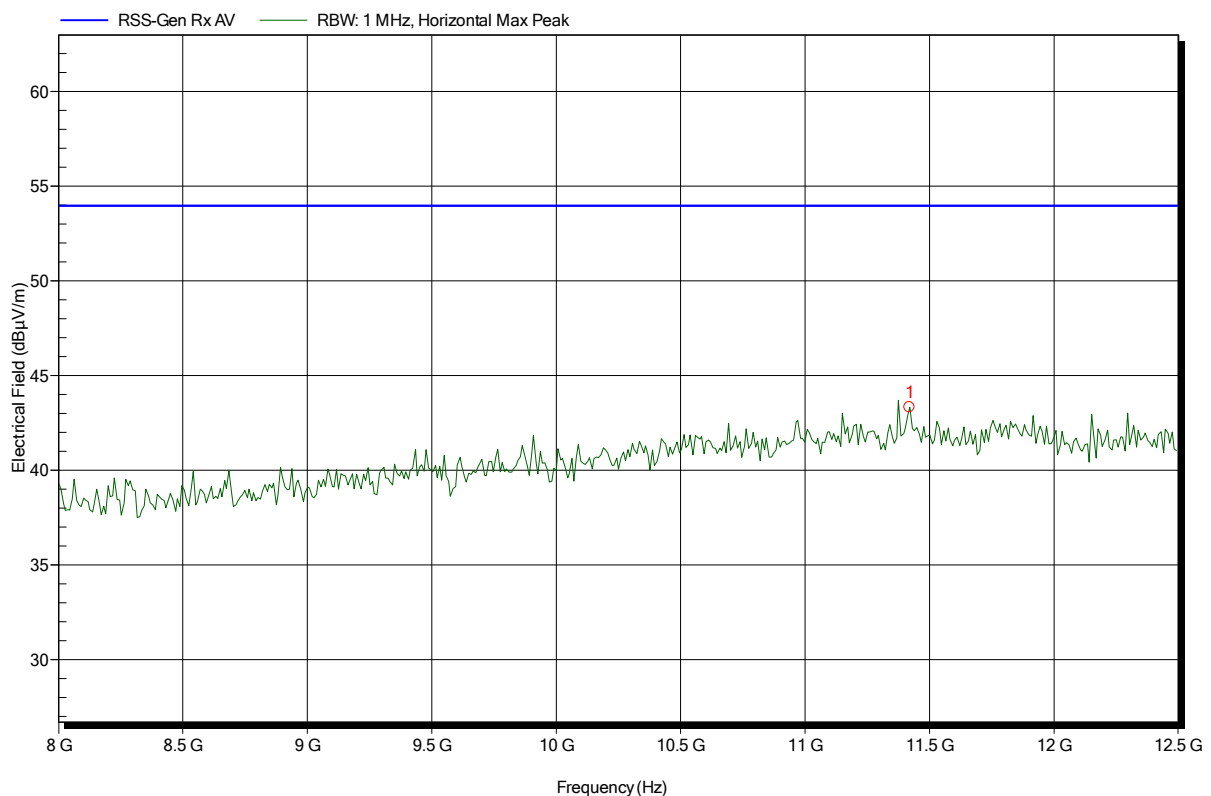
Frequency	Peak	Peak Limit	Peak Difference	Status
11.154 GHz	43.29 dBµV/m	53.98 dBµV/m	-10.69 dB	Pass

Spurious emissions according to RSS-Gen Issue 4

Project number: GOM-1505-4759

Applicant: tado GmbH
 EUT Name: tado Smart AC Control
 Model: WR01
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 5.0 V DC (USB-power)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 1 m converted to 3m
 Mode: RX; BLE; 2440 MHz
 Test Date: 2015-08-28
 Note: EUT horizontal

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Frequency	Peak	Peak Limit	Peak Difference	Status
11.42 GHz	43.33 dBµV/m	53.98 dBµV/m	-10.65 dB	Pass