

FCC TEST REPORT FCC 47 CFR Part 15C Industry Canada RSS-210 Intentional radiator operating within the bands 902 – 928 MHz, 2400 – 2483.5 MHz and 5725 – 5875 MHz	
Report Reference No.	G0M-1706-6613-TFC249DXX-V02
Testing Laboratory	Eurofins Product Service GmbH
Address	Storkower Str. 38c 15526 Reichenwalde Germany
Accreditation	  FCC Test Firm Designation Number: DE0008 IC Testing Laboratory site: 3470A-2
Applicant's name	ELDAT GmbH
Address	Im Gewerbepark 14 15711 Königs Wusterhausen GERMANY
Test specification:	
Standard	47 CFR Part 15C RSS-210, Issue 9, 2016-08 RSS-Gen, Issue 4, 2014-11 ANSI C63.10, 2013
Test scope	complete Radio compliance test
Equipment under test (EUT):	
Product description	Transmitter Module, 916 MHz, FSK, 5 V DC
Model No.	RTM08
Additional Model(s)	None
Brand Name(s)	None
Hardware version	Testsoftware
Firmware / Software version	Testsoftware
	FCC-ID: RZZRTM08916 IC: N/A
Test result	Passed

Possible test case verdicts:

- 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 : 2017-06-21

Date (s) of performance of tests : 2017-07-13 - 2017-07-14

Compiled by : Wilfried Treffke

Tested by (+ signature) : Wilfried Treffke 

(Responsible for Test)

Approved by (+ signature) : Christian Weber 

(Head of Lab)

Date of issue : 2018-01-19

Total number of pages : 35

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:

Version History

Version	Issue Date	Remarks	Revised by
01	2017-07-27	Initial Release	
02	2018-01-19	FCC ID added.	W. Treffke

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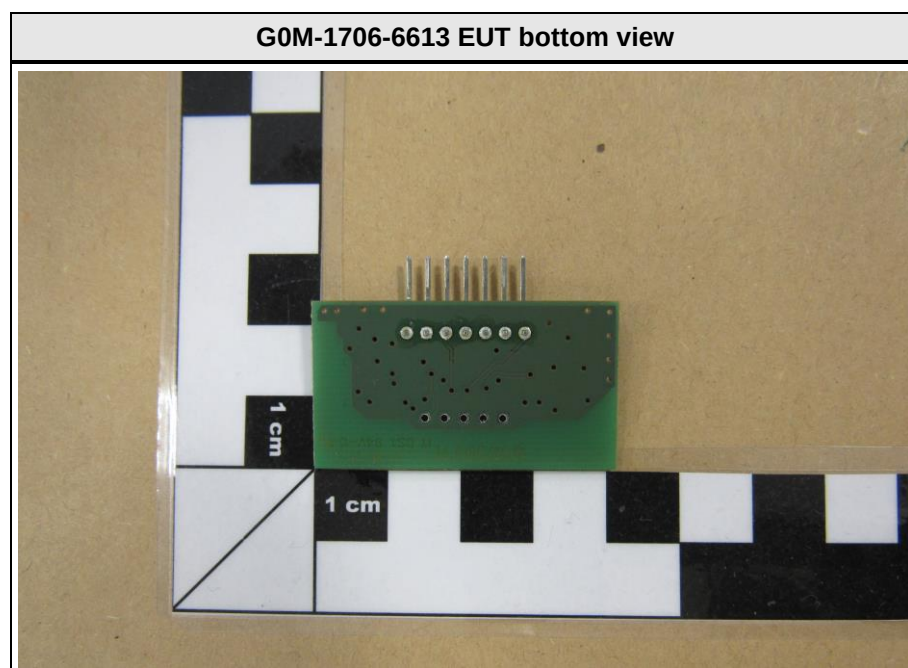
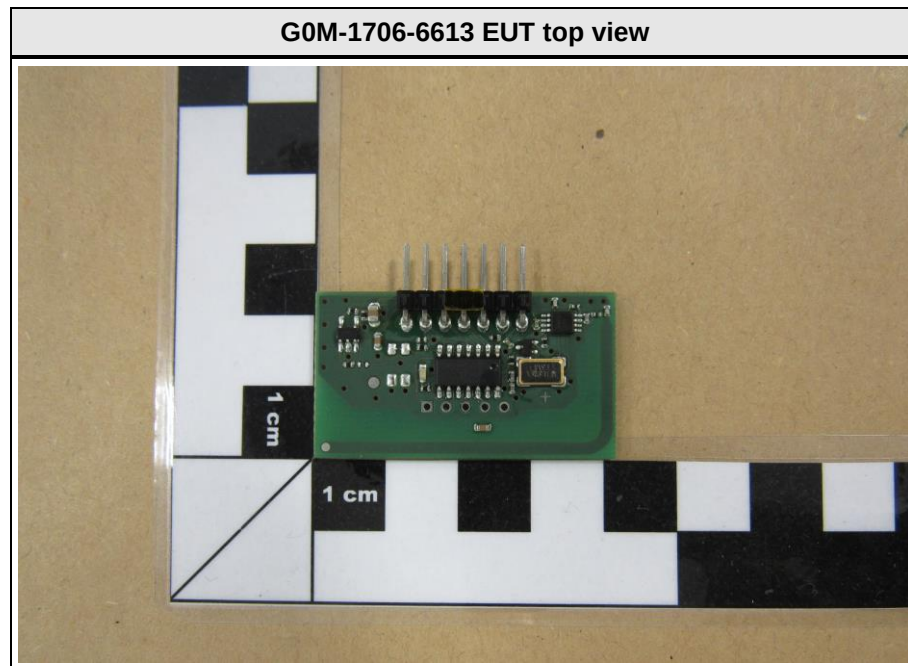
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1 Equipment (Test item) Description:

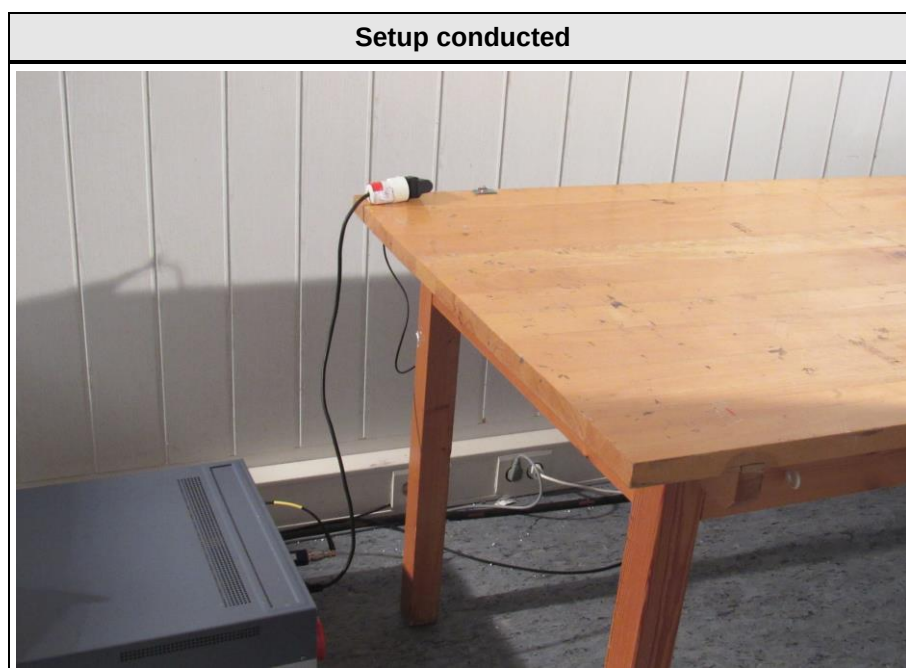
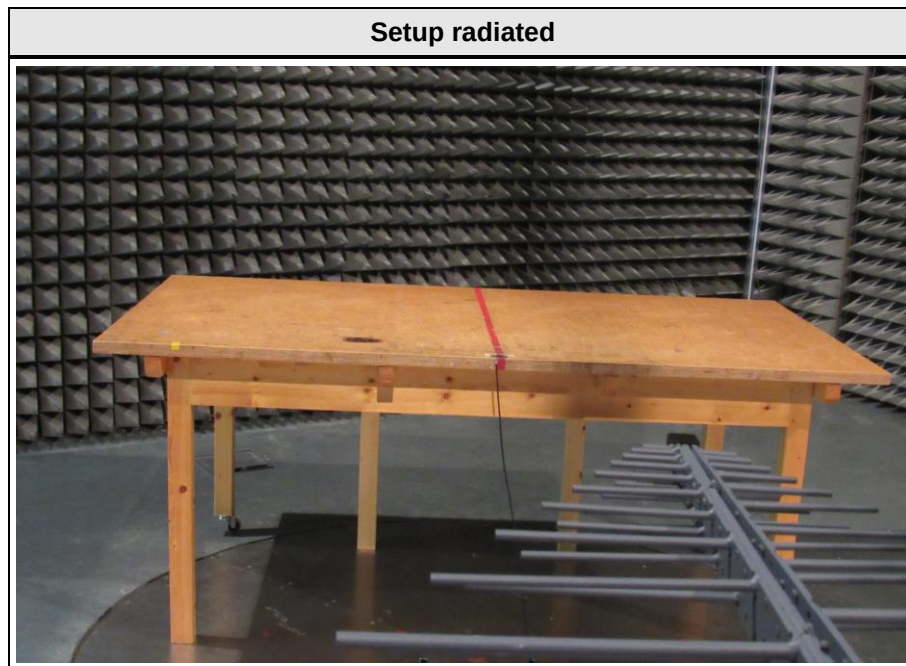
Description	Transmitter Module, 916 MHz, FSK, 5 V DC	
Model	RTM08	
Additional Model(s)	None	
Brand Name(s)	None	
Serial number	None	
Hardware version	Testsoftware	
Software / Firmware version	Testsoftware	
PMN	N/A	
HVIN	N/A	
FVIN	N/A	
HMN	N/A	
FCC-ID	RZZRTM08916	
IC	N/A	
Equipment type	Radio module	
Radio type	Transmitter only	
Radio technology	custom	
Operating frequency range	902.0 MHz - 918.0 MHz	
Assigned frequency band	902.0 MHz - 928.0 MHz	
Frequency range	F _{MID}	916.5 MHz
Spreading	None	
Modulations	FSK	
Number of channels	1	
Channel spacing	None	
Number of antennas	1	
Antenna	Type	integrated
	Model	PCB
	Manufacturer	ELDAT GmbH
	Gain	0 dBi (customer declaration)
Manufacturer	ELDAT GmbH Im Gewerbepark 14 15711 Königs Wusterhausen GERMANY	
Power supply	V _{NOM}	5.0VDC (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

1.1 Photos – Equipment internal



1.2 Photos – Test setup



1.3 Supporting Equipment Used During Testing

Product Type*	Device	Manufacturer	Model No.	Comments
AE	AC/DC Adaptor	I.T.E.POWERSUPPLAY	CSAS0060500100D5U	
*Note: Use the following abbreviations: AE : Auxiliary/Associated Equipment, or SIM : Simulator (Not Subjected to Test) CABL : Connecting cables				

1.4 Test Modes

Mode #	Description	
Transmit Bat	General conditions:	EUT powered by fully charged battery
	Radio conditions:	Mode = standalone transmit Modulation = FSK Power level = Maximum
Transmit PS	General conditions:	EUT powered by AC/DC adaptor
	Radio conditions:	Mode = standalone transmit Modulation = FSK Power level = Maximum

1.5 Test Equipment Used During Testing

Measurement Software			
Description	Manufacturer	Name	Version
EMC Test Software	Dare Instruments	Radimation	2014.2.5

Occupied Bandwidth					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Spectrum analyzer	R&S	FSU 26	EF01003	2016-03	2017-03

Duty Cycle					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Spectrum analyzer	R&S	FSU 26	EF01003	2016-03	2017-03

Field strength emissions					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Semi-anechoic chamber	Frankonia	AC 1	EF00062	-	-
MXE EMI Receiver	Keysight Technologies	N9038A-526/WXP	EF01070	2016-08	2017-08
Biconical Antenna	R&S	HK 116	EF00012	2016-05	2019-05
LPD Antenna	R&S	HL 223	EF00187	2016-05	2019-05
Horn antenna	Schwarzbeck	BBHA 9120D	EF00019	2016-09	2018-09

AC powerline conducted emissions					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
AMN	R&S	ESH2-Z5	EF00182	2017-01	2019-01
EMI Test Receiver	R&S	ESCS 30	EF00295	2016-11	2017-11

1.6 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 dB μ V. 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 dB μ V/m). The FCC limits are given in units of μ V/m. The following formula is used to convert the units of μ V/m to dB μ V/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:

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

2 Result Summary

FCC 47 CFR Part 15C, IC RSS-210				
Product Specific Standard Section	Requirement – Test	Reference Method	Result	Remarks
RSS-Gen 6.6	Occupied Bandwidth	RSS-Gen 6.6	N/R	Informational only
FCC 15.35(c) RSS-Gen 6.10	Duty Cycle	ANSI C63.10	N/R	Informational only
FCC 15.249(a),(c),(e) RSS-210 B.10(a)	Fundamental field strength emissions	ANSI C63.10	PASS	
FCC 15.249(a),(c),(d),(e) RSS-210 B.10(b)	Emission radiated outside the specified frequency band	ANSI C63.10	PASS	
RSS-Gen 7.1	Receiver radiated spurious emissions	ANSI C63.10	N/A	The EUT is a transmitter only
FCC § 15.207 RSS-Gen 8.8	AC power line conducted emissions	ANSI C63.10	PASS	
Remarks:				

3 Test Conditions and Results

3.1 Test Conditions and Results – Occupied Bandwidth

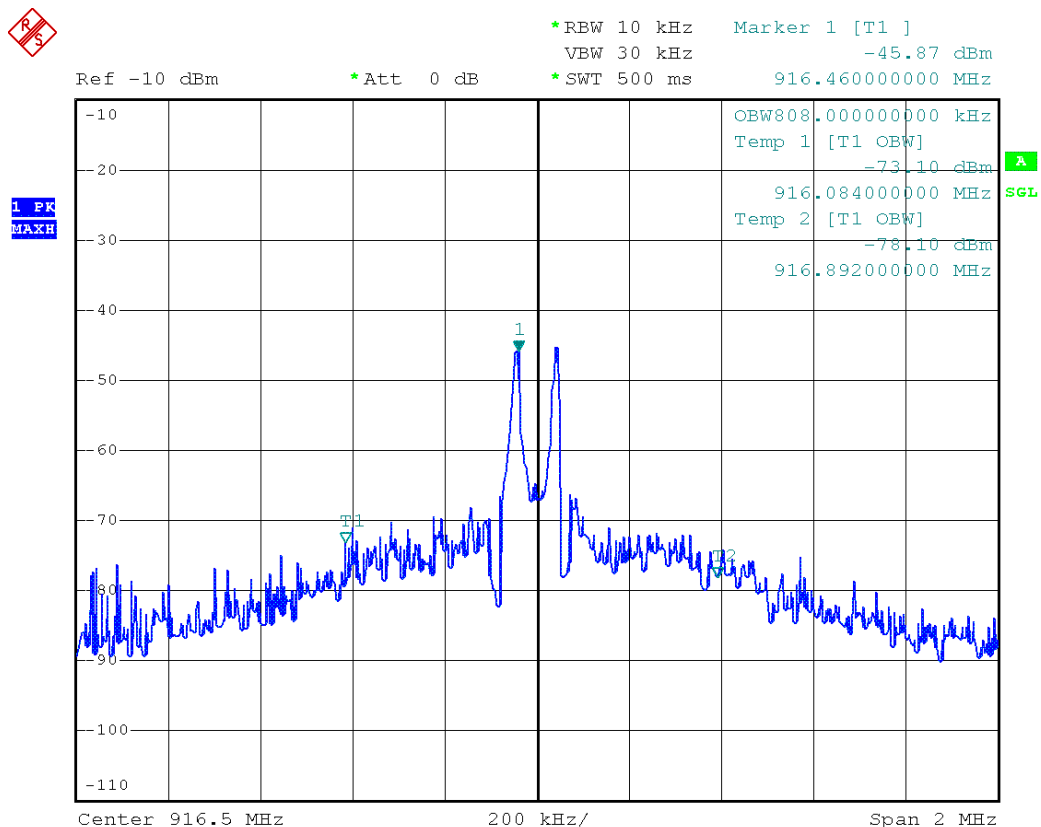
Occupied Bandwidth acc. to IC RSS-Gen			Verdict: N/R
Test according to measurement reference	Reference Method		
	RSS-Gen 6.6		
Test frequency range	Tested frequencies		
	F _{MID}		
EUT test mode	Transmit PS		
Limits			
None (Informational only)			
Test setup			
Spectrum Analyzer EUT			
Test procedure			
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 _{MID}	916.5	808.0	
Comments:			

Occupied Bandwidth - F_{MD}

Occupied Bandwidth acc. to RSS-Gen

Project Number: G0M-1706-6613

Applicant: ELDAT GmbH
EUT Name: Transmitter Module, 916 MHz, FSK, 5 V DC
Model: RTM08
Test Site: Eurofins Product Service GmbH
Operator: Wilfried Treffke
Test Conditions: Tnom / Vnom
Mode: Tx, FSK, 916.5 MHz
Test Date: 2017-07-14
Verdict: NONE (INFORMATION ONLY)
Note 1: A spectrum analyzer with an integrated 99% power bandwidth function is used
Note 2: OBW= 808.0 kHz



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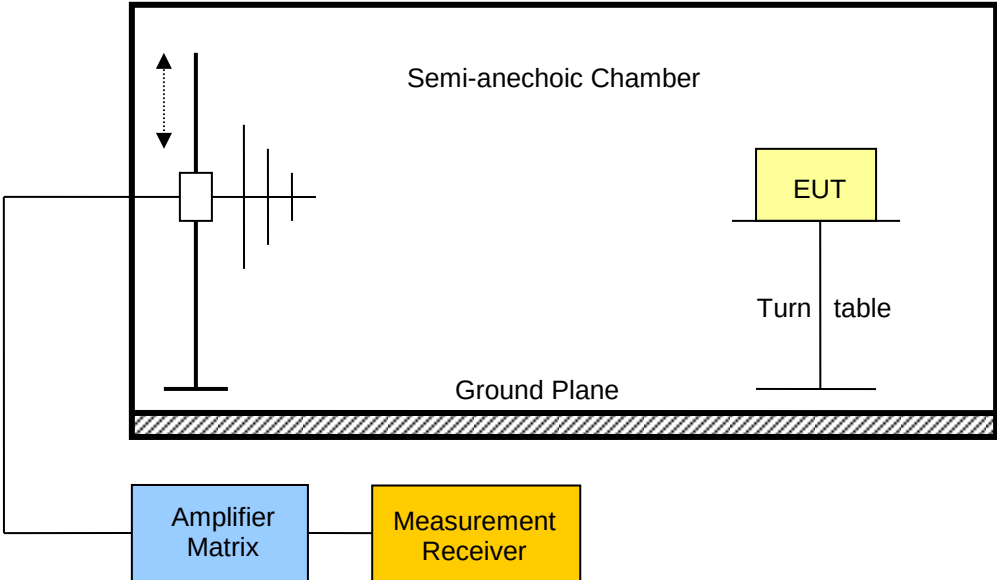
Test Report No.: G0M-1706-6613-TFC249DXX-V02

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

3.2 Test Conditions and Results – Duty Cycle

Duty cycle acc. to FCC 47 CFR 15.35(c) / ISED RSS-Gen 6.10			Verdict: N/R
Test according referenced standards	Reference Method		
	FCC 15.35(c) / ISED RSS-Gen 6.10		
Test according to measurement reference	Reference Method		
	non specific		
Test frequency range	Tested frequencies		
	F _{MID}		
EUT test mode	Transmit PS		
Limits			
None (only for peak to average correction, 20dB max)			
Test setup			
Spectrum Analyzer EUT			
Test procedure			
1. EUT set to test mode 2. Center frequency is set to test frequency 3. Span it set to zero span 4. Resolution bandwidth is set large enough to accurately capture transmission bursts 5. Total transmission time is measured			
Test results			
Channel	Frequency [MHz]	Duty Cycle [% @ 100ms]	Duty Cycle correction [dB]
F _{MID}	916.5	100	0
Comments:			

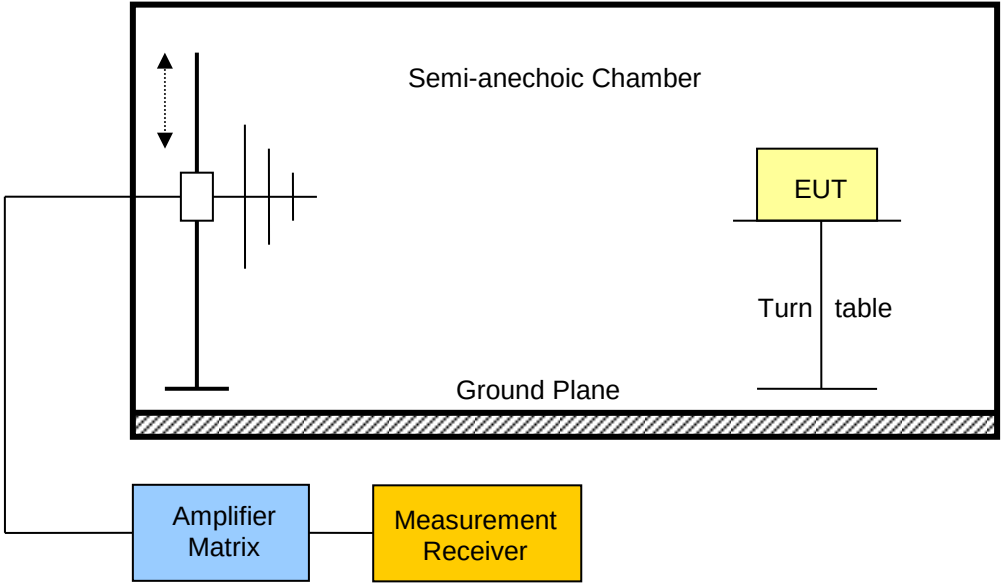
3.3 Test Conditions and Results – Fundamental field strength emissions

Field strength emissions acc. to FCC 47 CFR 15.249 / IC RSS-210				Verdict: N/R
Test according referenced standards	Reference Method			
	FCC 15.249(a),(c),(e) / IC RSS-210 B.10(a)			
Test according to measurement reference	Reference Method			
	ANSI C63.10			
Test frequency range	Tested frequencies			
	F _{MID}			
EUT test mode	Transmit Bat			
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. Below 1 GHz the resolution bandwidth is set according to CISPR 16 to 120 kHz with peak/quasi-peak detector. 4. Above 1 GHz the resolution bandwidth is set to 1 MHz with peak/average detector. Pulsed emissions are averaged over 100 ms with duty cycle correction. 5. Markers are set to maximum emission levels								
Test results non-pulsed emissions								
Channel	Frequency [MHz]	Emission [MHz]	Level [dB μ V/m]	Detector	Pol.	Limit [dB μ V/m]	Limit distance [m]*	Margin [dB]
F _{MID}	916.5	916.44	85.95	pk	hor	114.00	3	-28.05
F _{MID}	916.5	916.44	87.01	pk	ver	114.00	3	-26.99
Comments: * Physical distance between EUT and measurement antenna.								

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

Radiated out-of-band band emissions acc. to 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 B.10(b)			
Test according to measurement reference	Reference Method			
	ANSI C63.10			
Test frequency range	Tested frequencies			
	30 MHz – 10 th harmonic			
EUT test mode	Transmit			
Limits - Harmonics				
The field strength of harmonic emissions, measured at 3 m, shall not exceed 500 µV/m (54 dBµV/m).				
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
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 _{MID}	916.5	128.6	37.67	pk	hor	43.50	3	-05.83
F _{MID}	916.5	315.6	16.65	pk	hor	46.00	3	-29.35
F _{MID}	916.5	457.04	22.92	pk	hor	46.00	3	-23.08
F _{MID}	916.5	457.04	24.37	pk	ver	46.00	3	-21.63
F _{MID}	916.5	880.704	42.31	pk	ver	46.00	3	-03.69
F _{MID}	916.5	880.748	36.65	pk	hor	46.00	3	-09.35
F _{MID}	916.5	880.88	42.87	pk	ver	46.00	3	-03.13
F _{MID}	916.5	885.588	33.17	pk	hor	46.00	3	-12.83
F _{MID}	916.5	929.408	34.85	pk	hor	46.00	3	-11.15
Comments: * Physical distance between EUT and measurement antenna.								

3.5 Test Conditions and Results – AC power line conducted emissions

Power line conducted emissions acc. to FCC 47 CFR 15.207 / IC RSS-Gen				Verdict: PASS	
Test according referenced standards		Reference Method			
		ANSI C63.10			
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-Powerline			
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.					

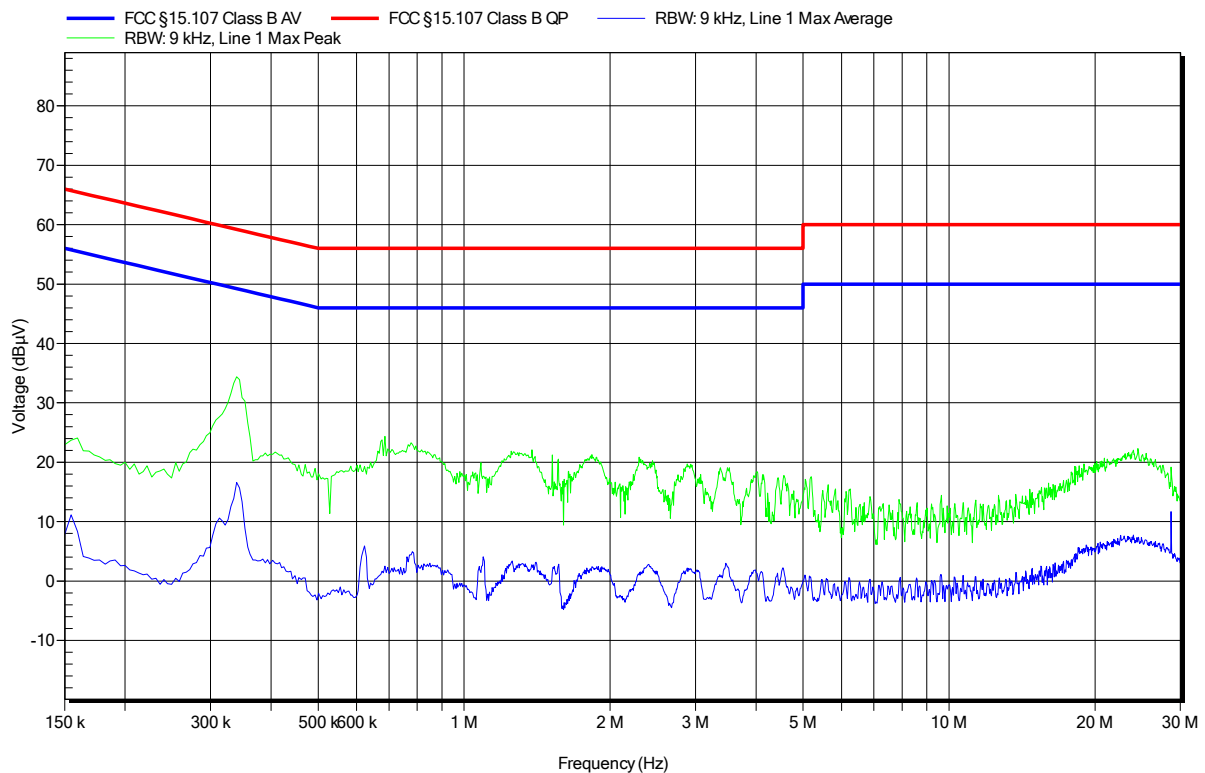
Conducted Emissions

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

Project number: G0M-1706-6613

Applicant: ELDAT GmbH
 EUT Name: Transmitter Module, 916 MHz, FSK, 5 V DC
 Model: RTM08
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Unom: 120 V AC
 LISN: ESH2-Z5 L
 Mode: 916.5 MHz
 Test Date: 2017-07-14
 Note:

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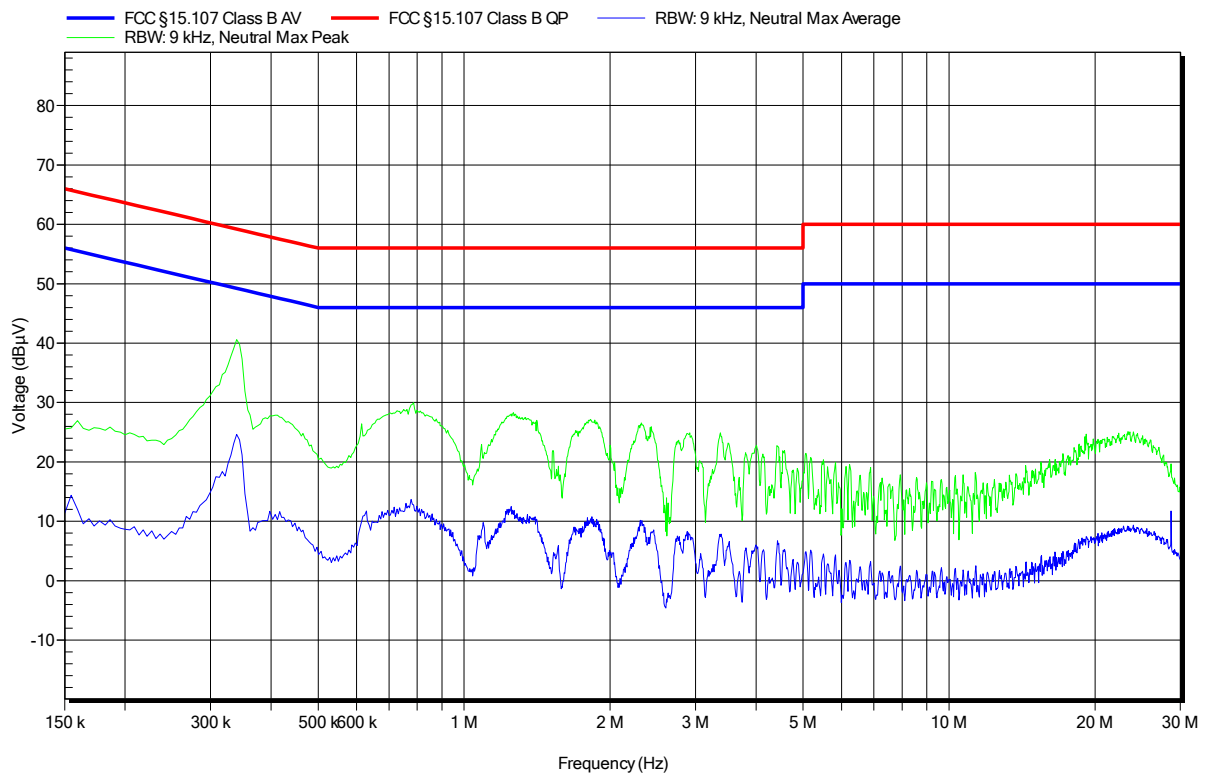
Conducted Emissions

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

Project number: G0M-1706-6613

Applicant: ELDAT GmbH
 EUT Name: Transmitter Module, 916 MHz, FSK, 5 V DC
 Model: RTM08
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Treffke
 Test Conditions: Tnom: 25°C, Unom: 120 V AC
 LISN: ESH2-Z5 N
 Mode: 916.5 MHz
 Test Date: 2017-07-14
 Note:

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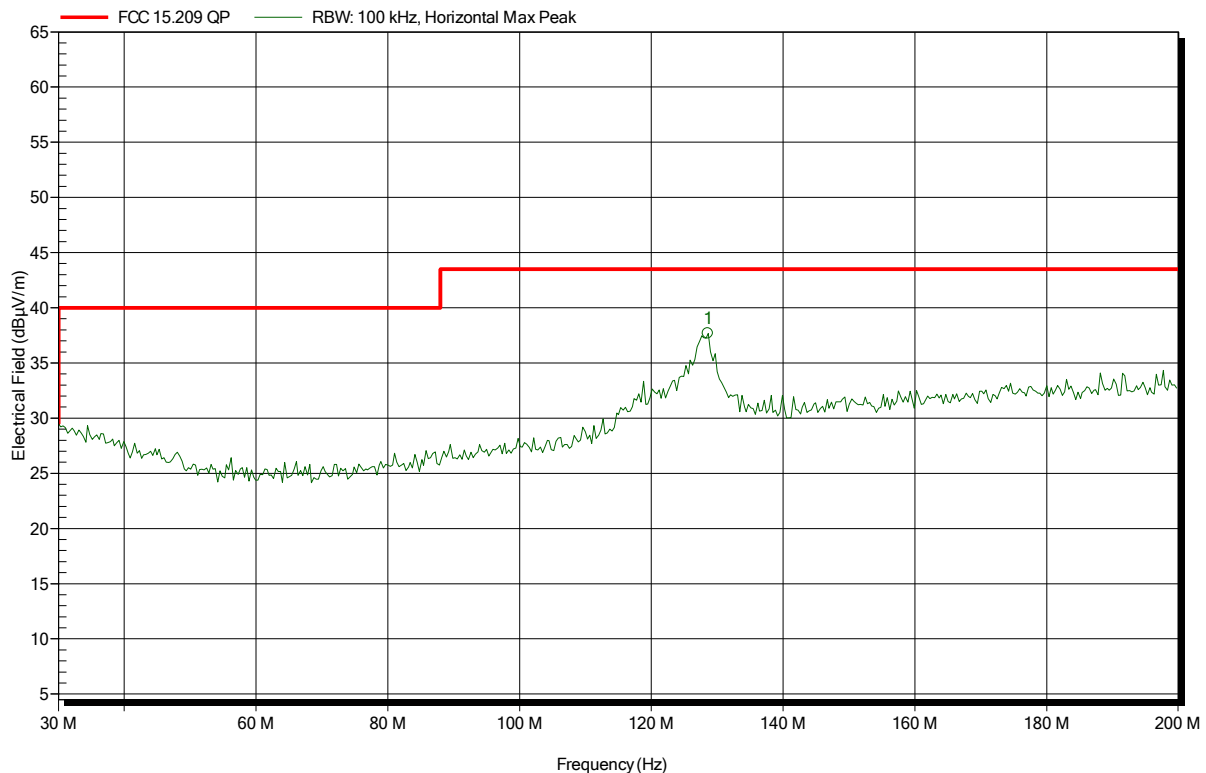
ANNEX A Transmitter radiated spurious emissions

Spurious emissions according to FCC 15.249

Project number: G0M-1706-6613

Applicant: ELDAT GmbH
 EUT Name: Transmitter Module, 916 MHz, FSK, 5 V DC
 Model: RTM08
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Al Jamal
 Test Conditions: Tnom: 24.1°C, Vnom: 5.0VDC (external supply)
 Antenna: Rohde & Schwarz HK 116, Horizontal
 Measurement distance: 3 m
 Mode: TX; 916.5 MHz; no specific channel defined
 Test Date: 2017-07-13
 Note:

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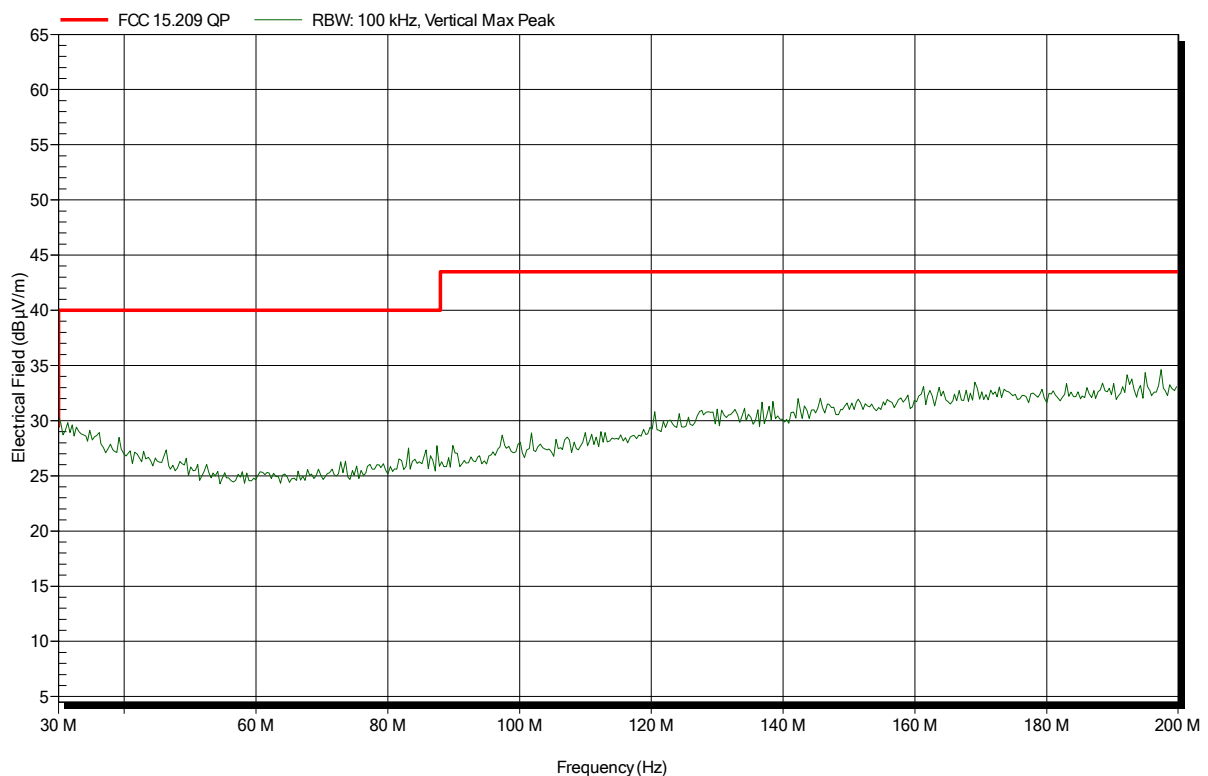
Frequency	Peak	Peak Limit	Peak Difference	Status
128.6 MHz	37.67 dBµV/m	43.5 dBµV/m	-5.83 dB	Pass

Spurious emissions according to FCC 15.249

Project number: G0M-1706-6613

Applicant: ELDAT GmbH
 EUT Name: Transmitter Module, 916 MHz, FSK, 5 V DC
 Model: RTM08
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Al Jamal
 Test Conditions: Tnom: 24.1°C, Vnom: 5.0VDC (external supply)
 Antenna: Rohde & Schwarz HK 116, Vertical
 Measurement distance: 3 m
 Mode: TX; 916.5 MHz; no specific channel defined
 Test Date: 2017-07-13
 Note:

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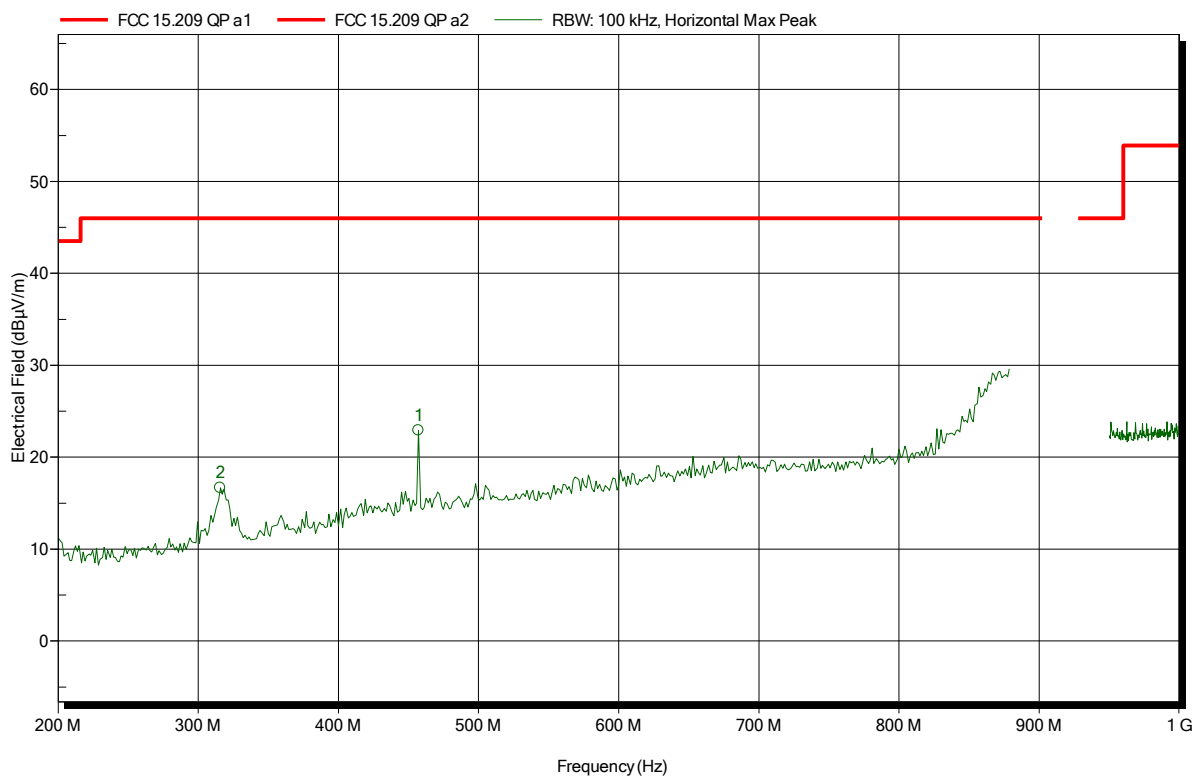


Spurious emissions according to FCC 15.249

Project number: G0M-1706-6613

Applicant: ELDAT GmbH
 EUT Name: Transmitter Module, 916 MHz, FSK, 5 V DC
 Model: RTM08
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Al Jamal
 Test Conditions: Tnom: 24.1°C, Vnom: 5.0VDC (external supply)
 Antenna: Rohde & Schwarz HL 223, Horizontal
 Measurement distance: 3 m
 Mode: TX; 916.5 MHz; no specific channel defined
 Test Date: 2017-07-13
 Note:

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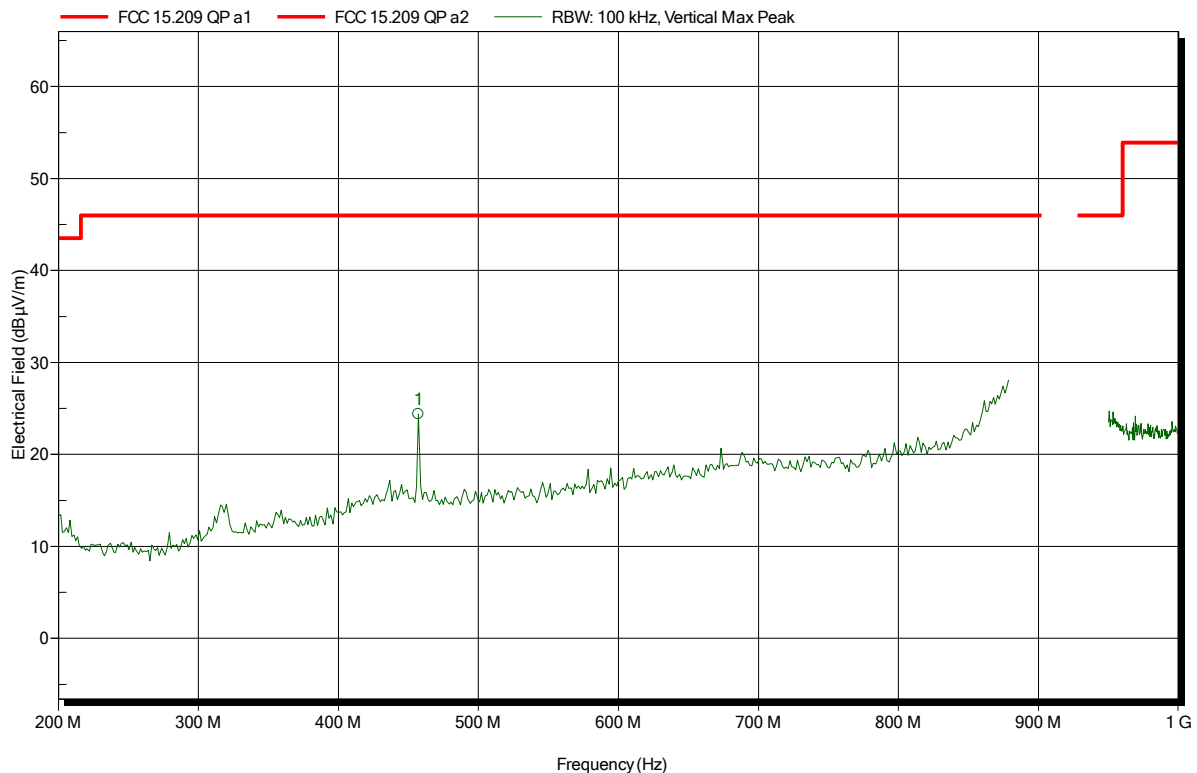
Frequency	Peak	Peak Limit	Peak Difference	Peak Status
315.6 MHz	16.65 dBµV/m	46 dBµV/m	-29.35 dB	Pass
457.04 MHz	22.92 dBµV/m	46 dBµV/m	-23.08 dB	Pass

Spurious emissions according to FCC 15.249

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 Operator: Mr. Al Jamal
 Test Conditions: Tnom: 24.1°C, Vnom: 5.0VDC (external supply)
 Antenna: Rohde & Schwarz HL 223, Vertical
 Measurement distance: 3 m
 Mode: TX; 916.5 MHz; no specific channel defined
 Test Date: 2017-07-13
 Note:

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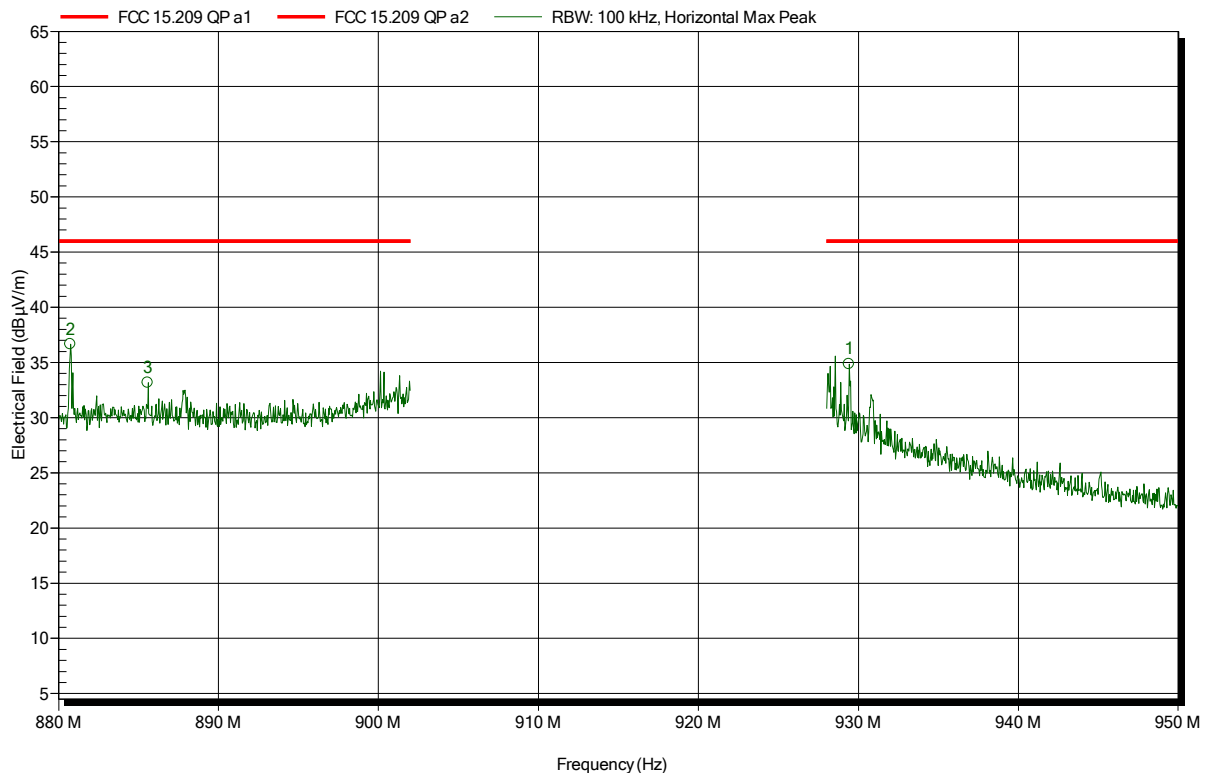
Frequency	Peak	Peak Limit	Peak Difference	Peak Status
457.04 MHz	24.37 dBµV/m	46 dBµV/m	-21.63 dB	Pass

Spurious emissions according to FCC 15.249

Project number: G0M-1706-6613

Applicant: ELDAT GmbH
 EUT Name: Transmitter Module, 916 MHz, FSK, 5 V DC
 Model: RTM08
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Al Jamal
 Test Conditions: Tnom: 24.1°C, Vnom: 5.0VDC (external supply)
 Antenna: Rohde & Schwarz HL 223, Horizontal
 Measurement distance: 3 m
 Mode: TX; 916.5 MHz; no specific channel defined
 Test Date: 2017-07-13
 Note: Band Edge

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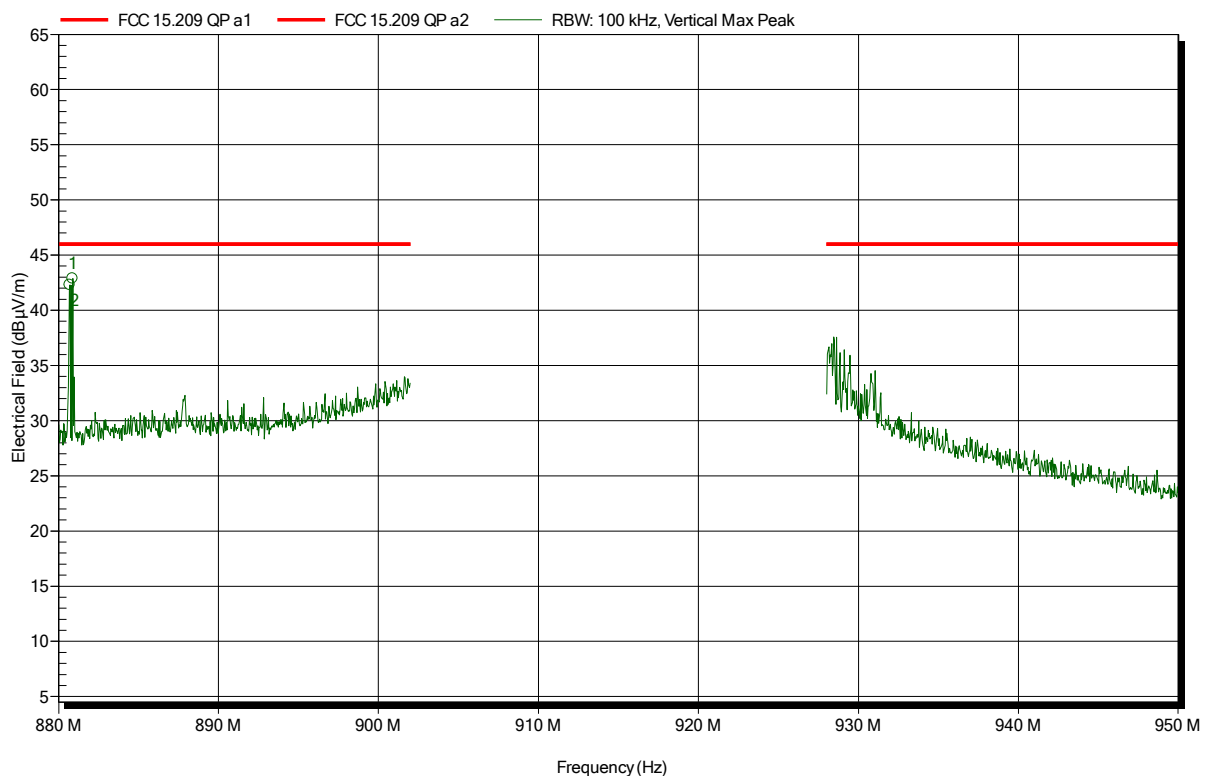
Frequency	Peak	Peak Limit	Peak Difference	Peak Status
880.748 MHz	36.65 dBμV/m	46 dBμV/m	-9.35 dB	Pass
885.588 MHz	33.17 dBμV/m	46 dBμV/m	-12.83 dB	Pass
929.408 MHz	34.85 dBμV/m	46 dBμV/m	-11.15 dB	Pass

Spurious emissions according to FCC 15.249

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Applicant: ELDAT GmbH
 EUT Name: Transmitter Module, 916 MHz, FSK, 5 V DC
 Model: RTM08
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Al Jamal
 Test Conditions: Tnom: 24.1°C, Vnom: 5.0VDC (external supply)
 Antenna: Rohde & Schwarz HL 223, Vertical
 Measurement distance: 3 m
 Mode: TX; 916.5 MHz; no specific channel defined
 Test Date: 2017-07-13
 Note: Band Edge

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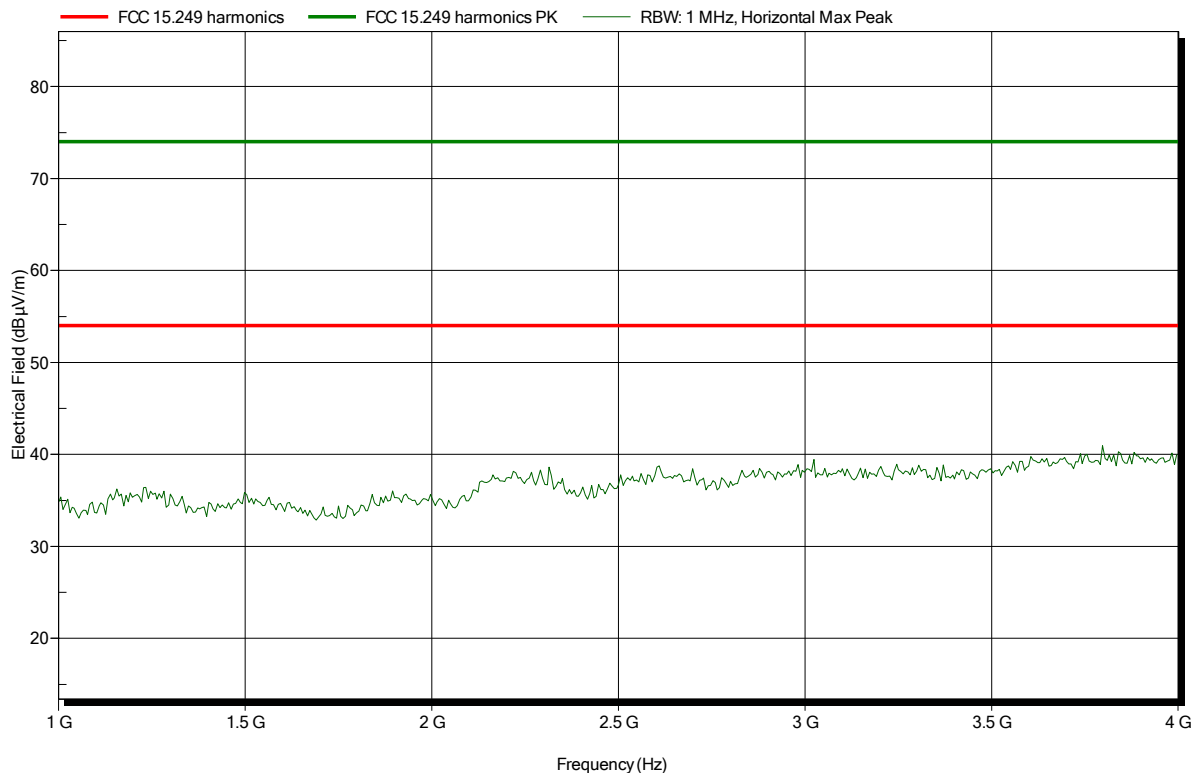
Frequency	Peak	Peak Limit	Peak Difference	Peak Status
880.704 MHz	42.31 dBµV/m	46 dBµV/m	-3.69 dB	Pass
880.88 MHz	42.87 dBµV/m	46 dBµV/m	-3.13 dB	Pass

Spurious emissions according to FCC 15.249

Project number: G0M-1706-6613

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 EUT Name: Transmitter Module, 916 MHz, FSK, 5 V DC
 Model: RTM08
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Al Jamal
 Test Conditions: Tnom: 24.1°C, Vnom: 5.0VDC (external supply)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3 m
 Mode: TX; 916.5 MHz; no specific channel defined
 Test Date: 2017-07-13
 Note:

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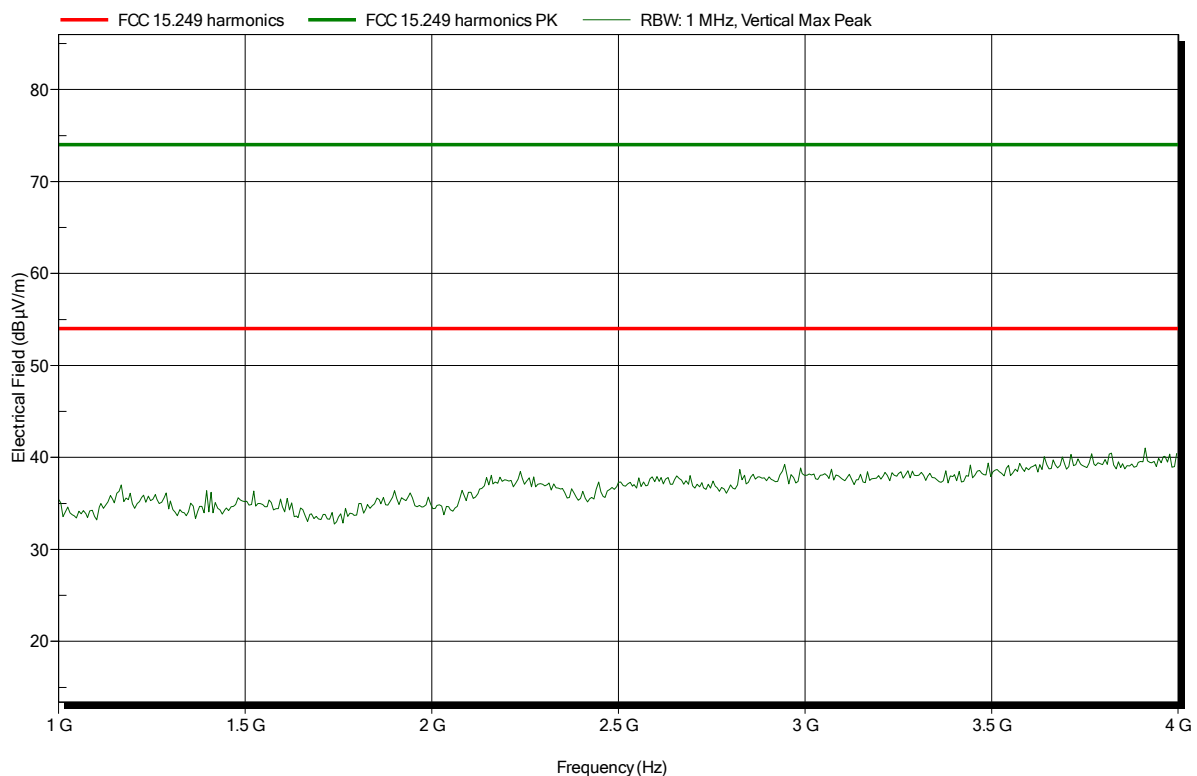


Spurious emissions according to FCC 15.249

Project number: G0M-1706-6613

Applicant: ELDAT GmbH
 EUT Name: Transmitter Module, 916 MHz, FSK, 5 V DC
 Model: RTM08
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Al Jamal
 Test Conditions: Tnom: 24.1°C, Vnom: 5.0VDC (external supply)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 3 m
 Mode: TX; 916.5 MHz; no specific channel defined
 Test Date: 2017-07-13
 Note:

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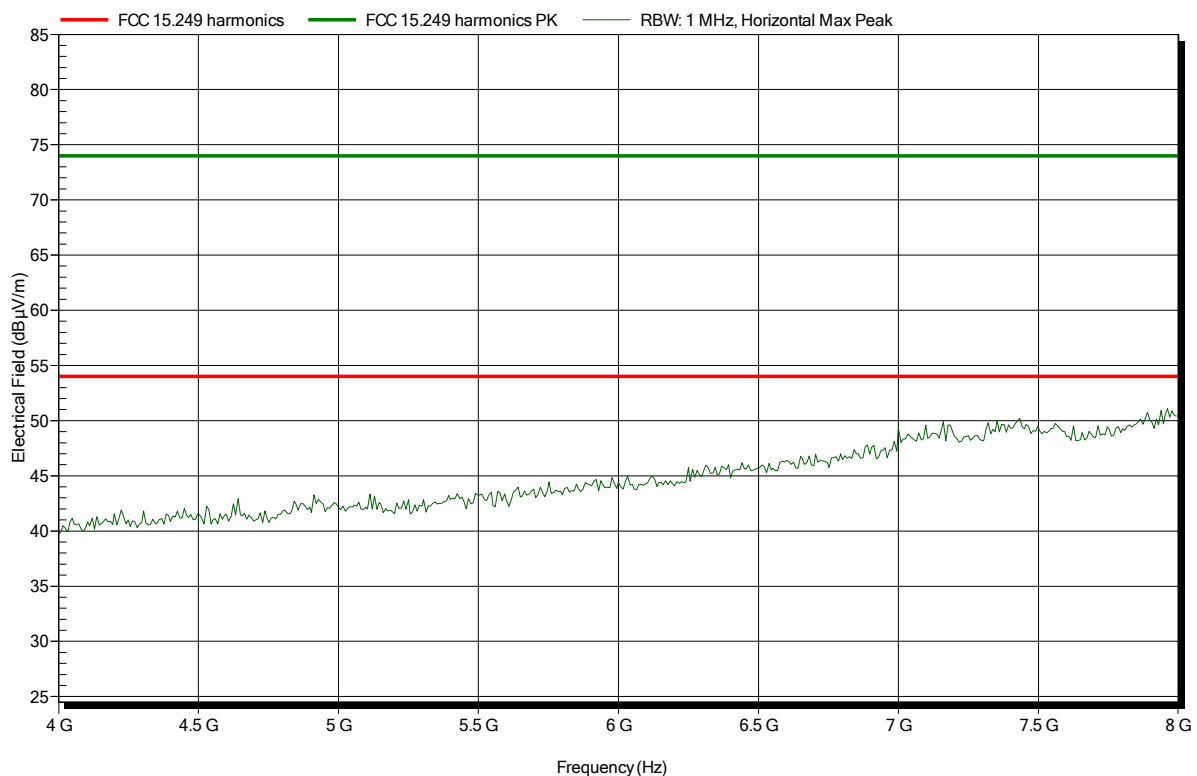


Spurious emissions according to FCC 15.249

Project number: G0M-1706-6613

Applicant: ELDAT GmbH
 EUT Name: Transmitter Module, 916 MHz, FSK, 5 V DC
 Model: RTM08
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Al Jamal
 Test Conditions: Tnom: 24.1°C, Vnom: 5.0VDC (external supply)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3 m
 Mode: TX; 916.5 MHz; no specific channel defined
 Test Date: 2017-07-13
 Note:

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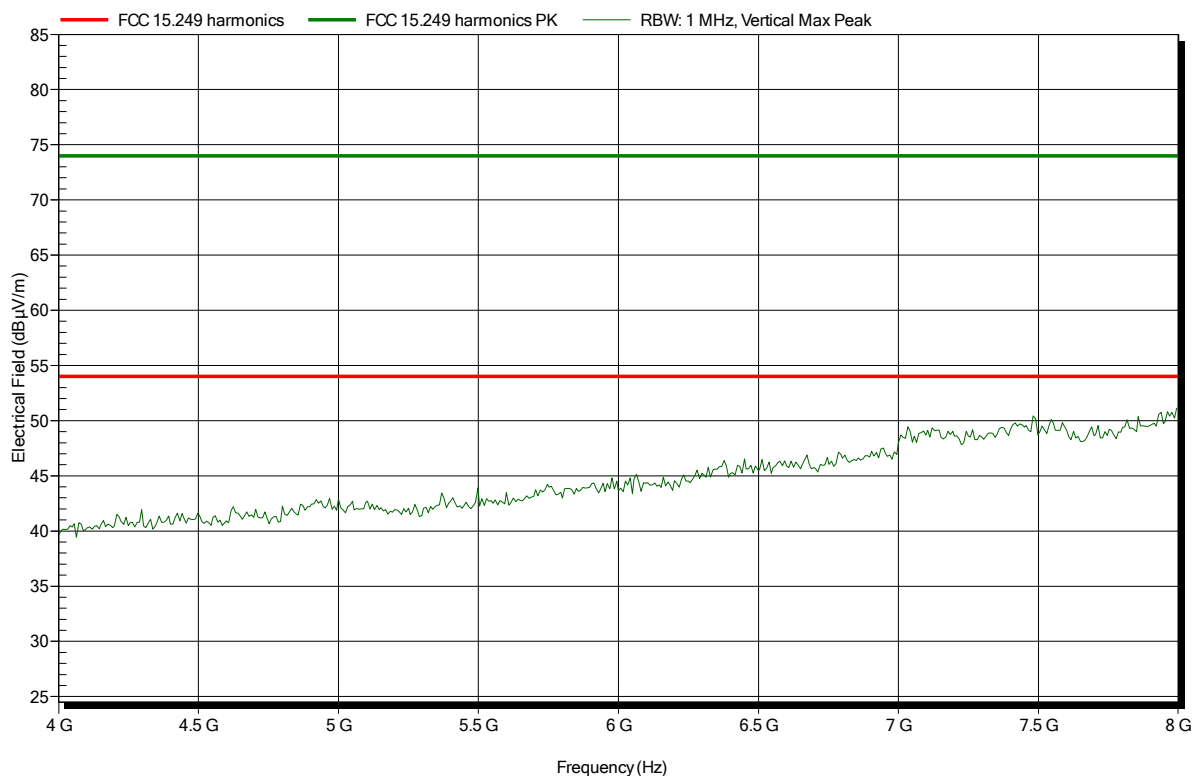


Spurious emissions according to FCC 15.249

Project number: G0M-1706-6613

Applicant: ELDAT GmbH
 EUT Name: Transmitter Module, 916 MHz, FSK, 5 V DC
 Model: RTM08
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Al Jamal
 Test Conditions: Tnom: 24.1°C, Vnom: 5.0VDC (external supply)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 3 m
 Mode: TX; 916.5 MHz; no specific channel defined
 Test Date: 2017-07-13
 Note:

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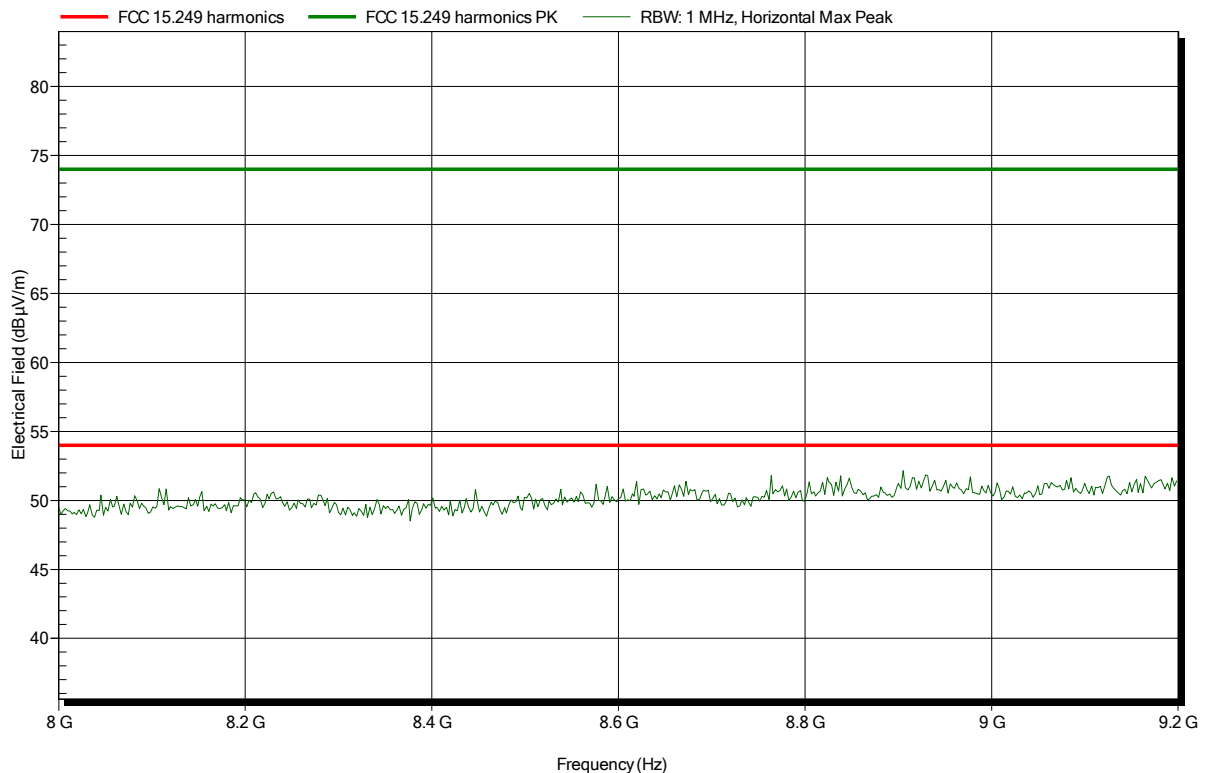


Spurious emissions according to FCC 15.249

Project number: G0M-1706-6613

Applicant: ELDAT GmbH
 EUT Name: Transmitter Module, 916 MHz, FSK, 5 V DC
 Model: RTM08
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Al Jamal
 Test Conditions: Tnom: 24.1°C, Vnom: 5.0VDC (external supply)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 1 m
 Mode: TX; 916.5 MHz; no specific channel defined
 Test Date: 2017-07-13
 Note:

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Spurious emissions according to FCC 15.249

Project number: G0M-1706-6613

Applicant: ELDAT GmbH
 EUT Name: Transmitter Module, 916 MHz, FSK, 5 V DC
 Model: RTM08
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Al Jamal
 Test Conditions: Tnom: 24.1°C, Vnom: 5.0VDC (external supply)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 1 m
 Mode: TX; 916.5 MHz; no specific channel defined
 Test Date: 2017-07-13
 Note:

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