RADIO REPORT FCC 47 CFR Part 15C Digital transmission systems operating within the 2400.0 MHz - 2483.5 MHz band	
Report Reference No	G0M-2311-2313-TFC247BL-V02
Testing Laboratory	Eurofins Product Service GmbH
Address	Storkower Str. 38c 15526 Reichenwalde Germany
Accreditation	DAkkS - Registration number : D-PL-12092-01-04 (FCC) FCC Filed Test Laboratory, Reg.-No.: 96970
Applicant	Phillips-Medisize A/S
Address	Gimsinglundvej 20 7600 Struer DENMARK
Test Specification	47 CFR Part 15C
Non-Standard Test Method	None
Equipment under Test (EUT):	
Product Description	IDA0097 Auto-lnjector
Model(s)	IDA0097 Auto-lnjector, Model 02
Additional Model(s)	None
Brand Name(s)	None
Hardware Version(s)	2089879486
Software Version(s)	11.04.00
FCC ID	2AAGY-SKYT2
Test Result	**PASSED**

Possible test case verdicts:		
Required by standard but not tested	N/T	
Not required by standard	N/R	
Not applicable to EUT	N/A	
Test object does meet the requirement	P(PASS)	
Test object does not meet the requirement	F(FAIL)	
Testing:		
Test Lab Temperature	20 °C - 30 °C	
Test Lab Humidity	25 % - 55 %	
Date of receipt of test item	2024-05-14	
Report:		
Compiled by	Md Abu Bakar Siddique	
Tested by (+ signature) (Responsible for Test)	Md Abu Bakar Siddique	
Approved by (+ signature) (Test Lab Engineer)	Florian Voigt	
Date of Issue	2024-09-05	
Total number of pages	88	
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:		
RF module shall be shut down when EUT is connected to AC power.		

VERSION HISTORY

Version History			
Version	Issue Date	Remarks	Revised By
01	2024-08-06	Initial Release	--
02	2024-09-05	Replaced document: G0M-2311-2313-TFC247BL-V01 Replaced by: G0M-2311-2313-TFC247BL-V02 Changes: • Updated antenna gain with measured value. • Added 2 Mbps mode measurement results.	Siddique

ABBREVIATIONS AND ACRONYMS

Acronyms	
Acronym	Description
EUT	Equipment Under Test
FCC	Federal Communications Commission
ISED	Innovation, Science and Economic Development Canada
RBW	Resolution bandwidth
RMS	Root mean square
VBW	Video bandwidth
VNOM:	Nominal supply voltage

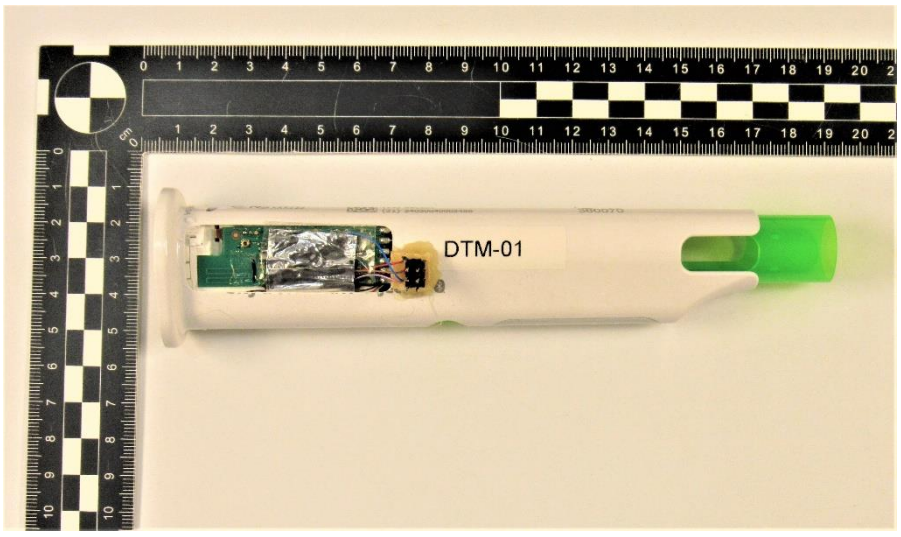
REPORT INDEX

1 Equipment (Test Item) Under Test

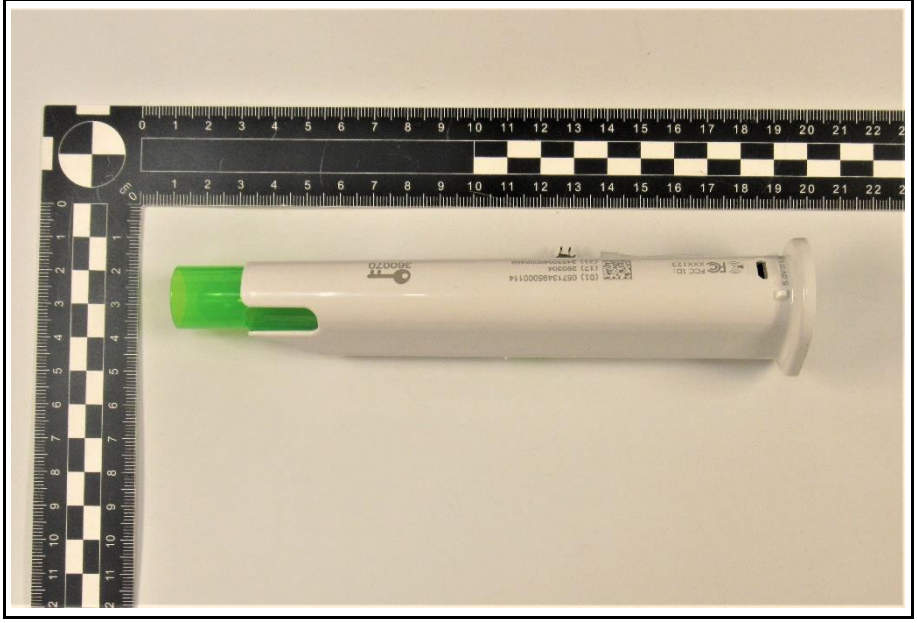
Description	IDA0097 Auto-Injector		
Model	IDA0097 Auto-Injector, Model 02		
Additional Model(s)	None		
Brand Name(s)	None		
Sample Identification	EUT #	Sample-ID	Serial Number
	EUT 1	48528	24030040002450
Hardware Version(s)	2089879486		
Software Version(s)	11.04.00		
FCC ID	2AAGY-SKYT2		
Equipment type	End Product		
Radio type	Transceiver		
Assigned frequency bands	2400.0 MHz - 2483.5 MHz		
Radio technology	Bluetooth LE 5.3		
Bluetooth Specification	LE 1M PHY		Yes
	LE 2M PHY		Yes
	LE Coded PHY S=8 (125 kbit)		No
	LE Coded PHY S=2 (500 kbit)		No
	Stable Modulation Index - Transmitter		No
	Stable Modulation Index - Receiver		No
Modulation	GFSK		
Number of antenna ports	1		
Antenna	Type	Integrated antenna	
	Model	Custom PCB antenna	
	Manufacturer	Vivid Resourcing	
	Gain	-3.848 dBi (Measured)	
Supply Voltage	Vnom	3.7 V DC via internal rechargeable Lithium battery 110/220 V AC via dedicated AC/DC-adapter	
Operating Temperature	T_{NOM}	23°C	
Dedicated AC/DC-Adaptor	Model	ASSA54a-050100	
	Vendor	Shenzehn Aquilstar	
	Input	100-240 V AC	
	Output	5 V DC	
Manufacturer	Phillips-Medisize A/S Gimsinglundvej 20 7600 Struer DENMARK		

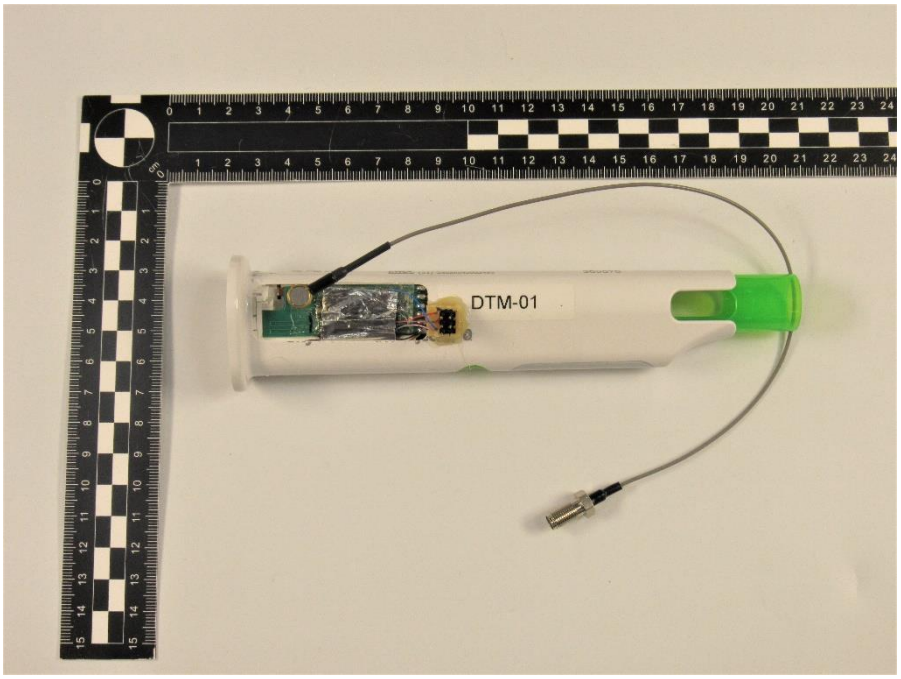
1.1 Photos – Equipment External

EUT - top view

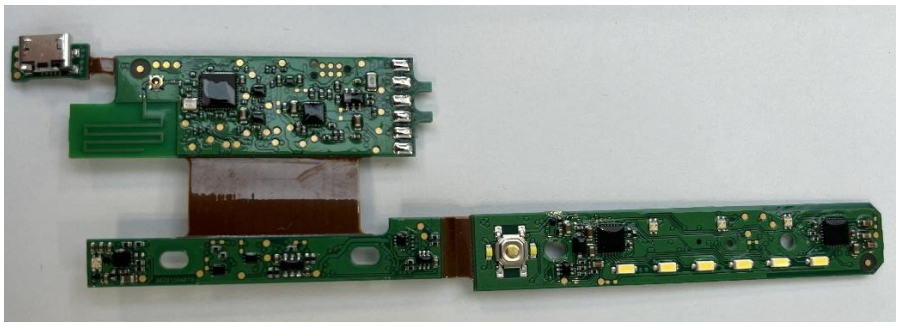


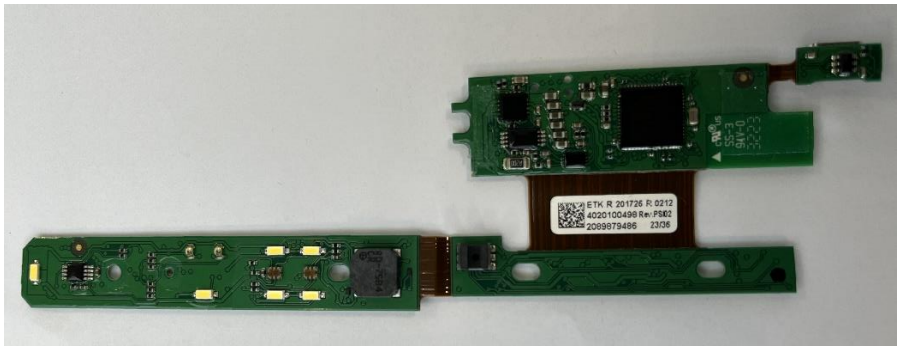
EUT - bottom view



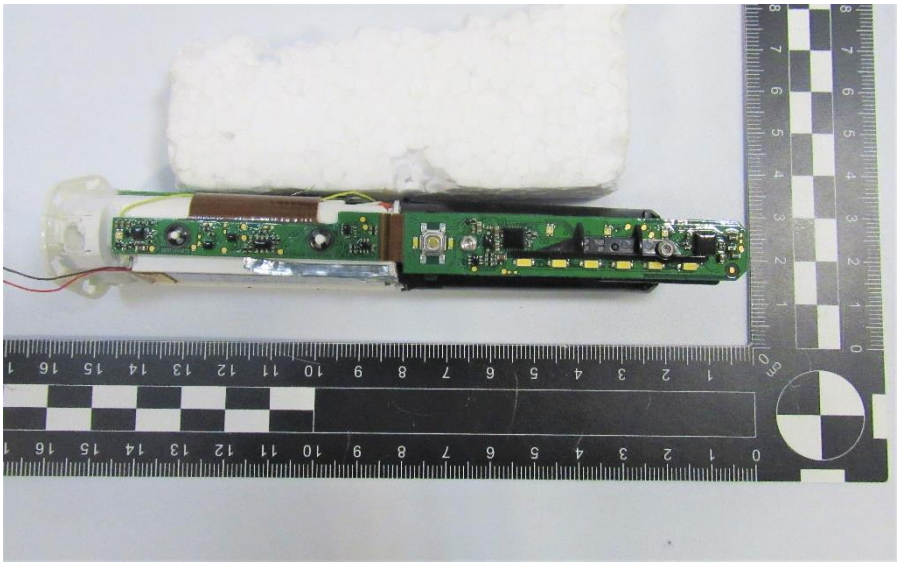
EIT - with antenna connector


1.2 Photos – Equipment Internal

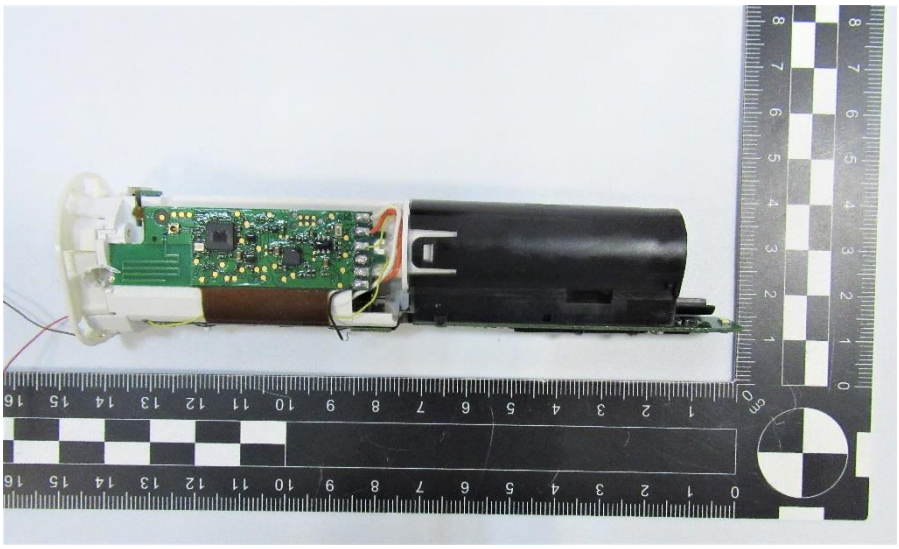
PCB - top


PCB - bottom


EUT - case opened - A



EUT - case opened - B



1.3 Support Equipment

Product Type	Device	Manufacturer	Model	Comment
AE 1	Charger	Shenzehn Aquilstar	ASSA54a-050100	--
AE 2	Cable	Shenzehn Aquilstar	Micro B USB	--
AE 3	Laptop	HP	Elitebook 840 G5	Used for setting up modes
SFT	nRF Connect	nRF	V2.4.0	Used for setting up modes
Description:				
AE	Auxiliary Equipment			
SIM	Simulator			
CBL	Connecting Cable			
SFT	Software			

1.4 Test Modes

Mode	Description
GFSK 1 Mbps	Mode = Transmit Modulation = GFSK Spreading = None Power setting = 8 dBm (Software setting) Duty cycle = 88.7% Data rate = 1 MBit/s
GFSK 2 Mbps	Mode = Transmit Modulation = GFSK Spreading = None Power setting = 8 dBm (Software setting) Duty cycle = 82% Data rate = 2 MBit/s
Receive	Mode = Receive

1.5 Test Frequencies

Designator	Mode	Channel	Frequency [MHz]
F1	Tx / Rx	0	2402
F2	Tx / Rx	19	2440
F3	Tx / Rx	39	2480

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 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:

Reading on Analyzer (dBµV) + A.F. (dB/m) = Net field strength (dBµV/m)

Net:

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

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.

Field strength 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:

Field strength limit (dBµV/m) = 20 · log (µV/m)

Example only for radiated field strength:

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

2 Result Summary

FCC 47 CFR Part 15C, ISED RSS-247				
Product Standard Reference	**Requirement**	**Reference Method**	**Result**	**Remarks**
FCC § 15.247(a)(2)	6 dB Bandwidth	ANSI C63.10-2013	PASS	--
FCC § 15.247(b)	Maximum peak conducted power	ANSI C63.10-2013	PASS	--
FCC § 15.247(e)	Power spectral density	ANSI C63.10-2013	PASS	--
FCC § 15.207	AC power line conducted emissions	ANSI C63.10-2013	N/R	RF module shall be shut down when EUT is connected to AC power.
FCC § 15.247(d)	Band edge compliance	ANSI C63.10-2013	PASS	--
FCC § 15.247(d)	Conducted spurious emissions	ANSI C63.10-2013	PASS	--
FCC § 15.247(d) FCC § 15.209	Transmitter radiated spurious emissions	ANSI C63.10-2013	PASS	--
Comment: The Decision Rule is applied on the basis of ETSI TR 102 273 and ETSI TR 100 028. These standards provide guidance on how to calculate and apply measurement uncertainty whilst providing maximum uncertainties allowance. In all cases due consideration will be given to ILAC-G8:09/2019. Where a result is considered conditional in respect of its proximity to the limit line, the customer would be made aware of situation so that they can make an informed decision on how to proceed.				

Possible Test Case Verdicts	
PASS	Test object does meet the requirements
FAIL	Test object does not meet the requirements
N/T	Required by standard but not tested
N/R	Not required by standard for the test object

3 Test Conditions and Results

3.1 Test Conditions and Results - 6 dB bandwidth

3.1.1 Information

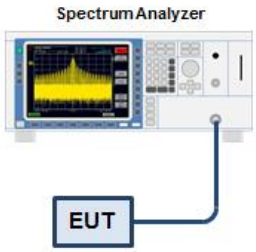
Test Information	
Reference	FCC § 15.247(a)(2)
Measurement Method	ANSI C63.10 11.8
Measurement Uncertainty	± 1.26 %
Operator	Md Abu Bakar Siddique
Date	2024-05-24 to 2024-08-28

3.1.2 Limits

Limits
≥ 500kHz

3.1.3 Setup

Test Setup



3.1.4 Equipment

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Spectrum Analyser	R&S	FSU 43	EF01631	2023-08	2024-08

3.1.5 Procedure

Test Procedure

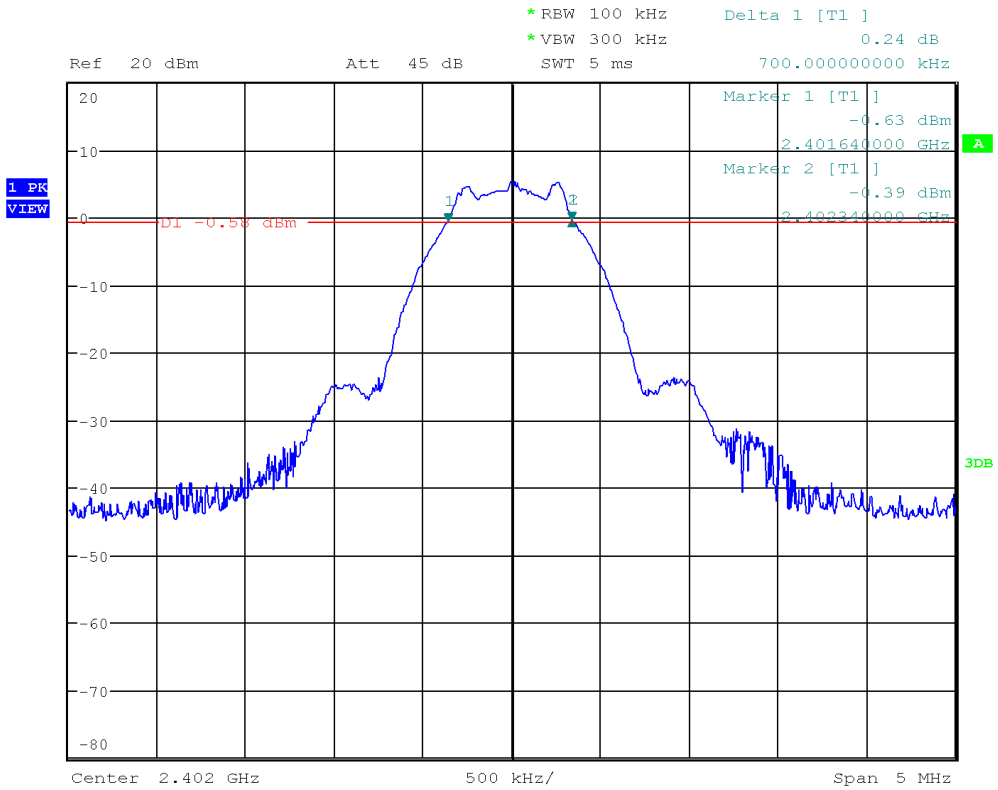
1. EUT set to test mode
2. Span set to at least twice the emission spectrum
3. Detector set to peak and max hold and RBW is set to 100 kHz
4. Envelope peak value of emission spectrum is selected
5. Marker on envelope of spectrum is set to level of -6 dB to the left of the peak
6. Marker on envelope of spectrum is set to level of -6 dB to the right of the peak
7. 6 dB Bandwidth is determined by marker frequency separation

3.1.6 Results

Test Results				
Mode	Frequency [MHz]	Bandwidth [kHz]	Limit [kHz]	Verdict
1 Mbps	2402	700	500	PASS
1 Mbps	2440	700	500	PASS
1 Mbps	2480	695	500	PASS
2 Mbps	2402	1175	500	PASS
2 Mbps	2440	1180	500	PASS
2 Mbps	2480	1180	500	PASS

DTS (6 dB) Bandwidth

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, MODEL 02
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 11.8.1 Option 1
Operational Mode:	GFSK, Channel: 0, 2402 MHz, 1Mbps
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-05-24
Lower Frequency [MHz]:	2401.640
Upper Frequency [MHz]:	2402.340
6 dB Bandwidth [kHz]:	700



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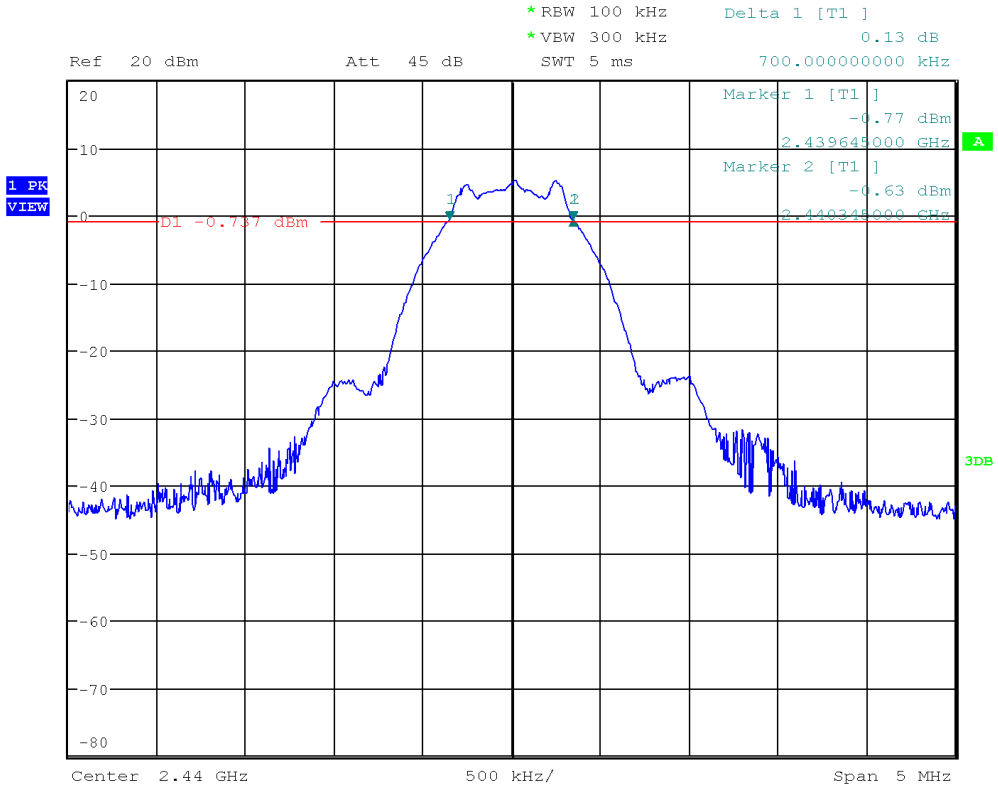
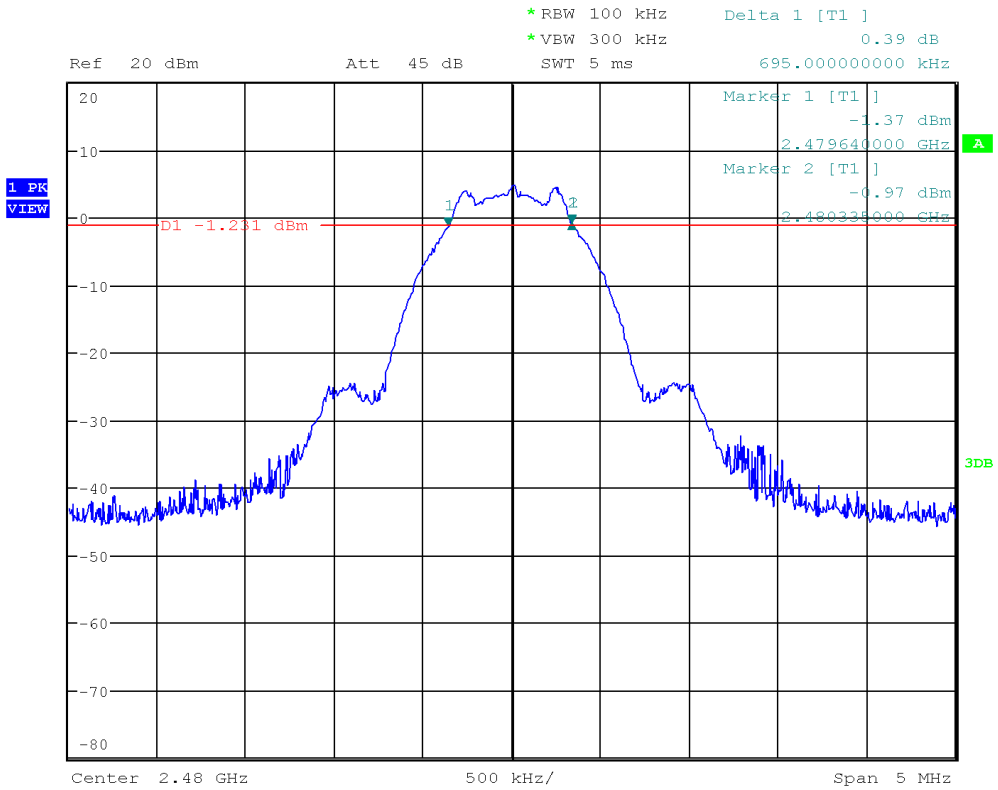
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, MODEL 02
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 11.8.1 Option 1
Operational Mode:	GFSK, Channel: 19, 2440 MHz, 1Mbps
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-05-24
Lower Frequency [MHz]:	2439.645
Upper Frequency [MHz]:	2440.345
6 dB Bandwidth [kHz]:	700



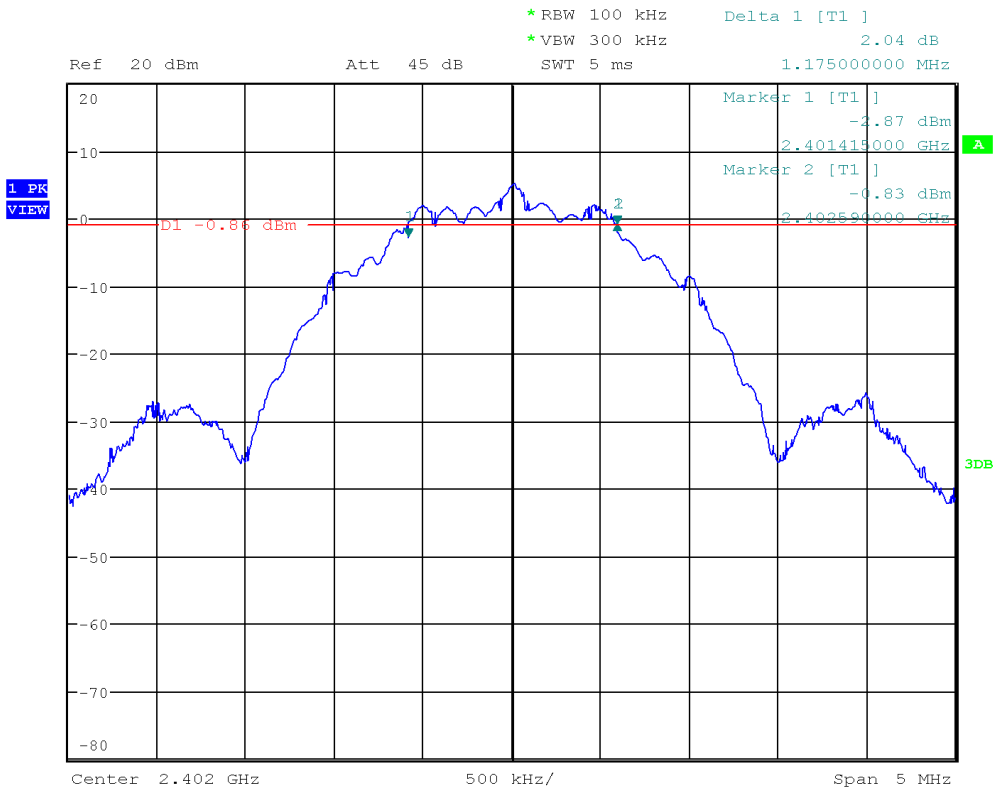
DTS (6 dB) Bandwidth

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, MODEL 02
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 11.8.1 Option 1
Operational Mode:	GFSK, Channel: 39, 2480 MHz, 1Mbps
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-05-24
Lower Frequency [MHz]:	2479.640
Upper Frequency [MHz]:	2480.335
6 dB Bandwidth [kHz]:	695



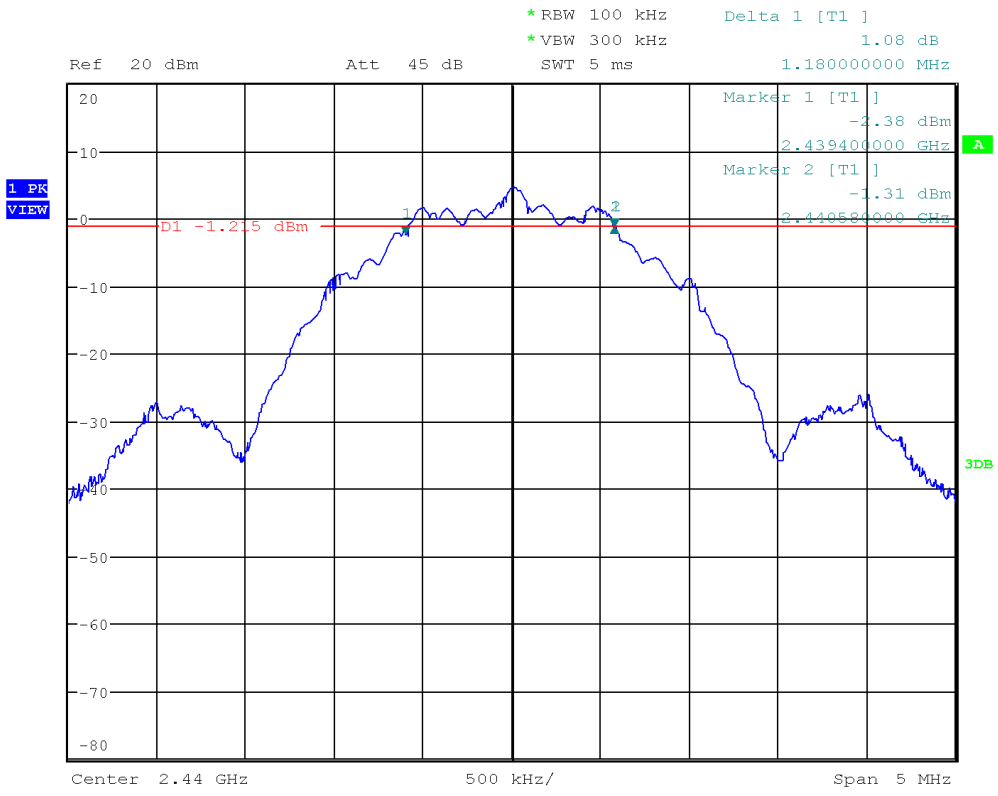
DTS (6 dB) Bandwidth

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	Auto-Injector
Model:	IDA0097
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 11.8.1 Option 1
Operational Mode:	GFSK, Channel: 0, 2402 MHz, 2Mbps
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-08-28
Lower Frequency [MHz]:	2401.415
Upper Frequency [MHz]:	2402.590
6 dB Bandwidth [kHz]:	1175



DTS (6 dB) Bandwidth

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	Auto-Injector
Model:	IDA0097
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 11.8.1 Option 1
Operational Mode:	GFSK, Channel: 19, 2440 MHz, 2Mbps
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-08-28
Lower Frequency [MHz]:	2439.400
Upper Frequency [MHz]:	2440.580
6 dB Bandwidth [kHz]:	1180



DTS (6 dB) Bandwidth

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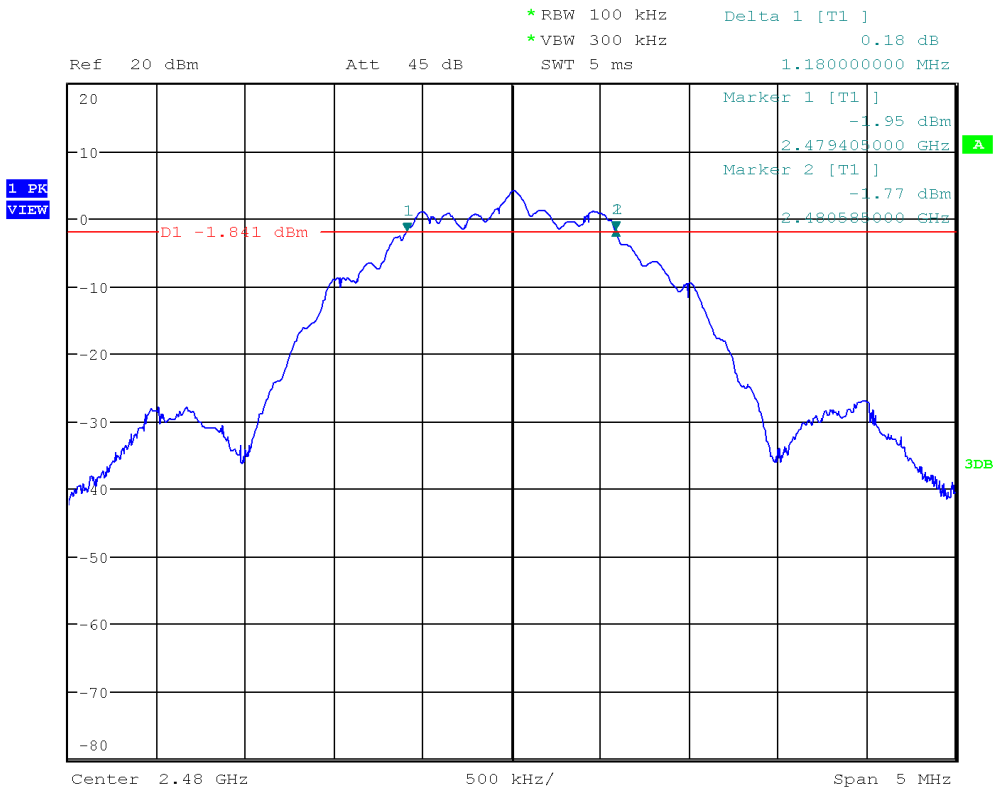
Applicant:	Phillips-Medisize A/S
Model Description:	Auto-Injector
Model:	IDA0097
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 11.8.1 Option 1
Operational Mode:	GFSK, Channel: 39, 2480 MHz, 2Mbps
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-08-28
Lower Frequency [MHz]:	2479.405
Upper Frequency [MHz]:	2480.585
6 dB Bandwidth [kHz]:	1180



3.2 Test Conditions and Results - Maximum peak conducted output power

3.2.1 Information

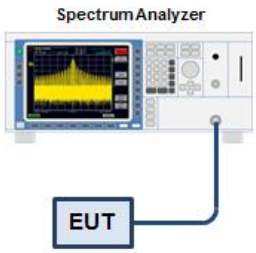
Test Information	
Reference	FCC § 15.247(b)
Measurement Method	ANSI C63.10 11.9.1
Measurement Uncertainty	± 2.86 dB
Operator	Md Abu Bakar Siddique
Date	2024-05-24 to 2024-08-28

3.2.2 Limits

Limits
1 W (30 dBm)
The conducted output power limit specified above is based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in the table, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.2.3 Setup

Test Setup



3.2.4 Equipment

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Spectrum Analyser	R&S	FSU 43	EF01631	2023-08	2024-08

3.2.5 Procedure

Test Procedure
1. EUT set to test mode (Communication tester is used if needed) 2. Analyzer resolution bandwidth is set ≥ DTS bandwidth 3. Detector set to peak and max hold 4. Sweep time is set to auto 5. After the trace has stabilized a marker is set to peak of envelope

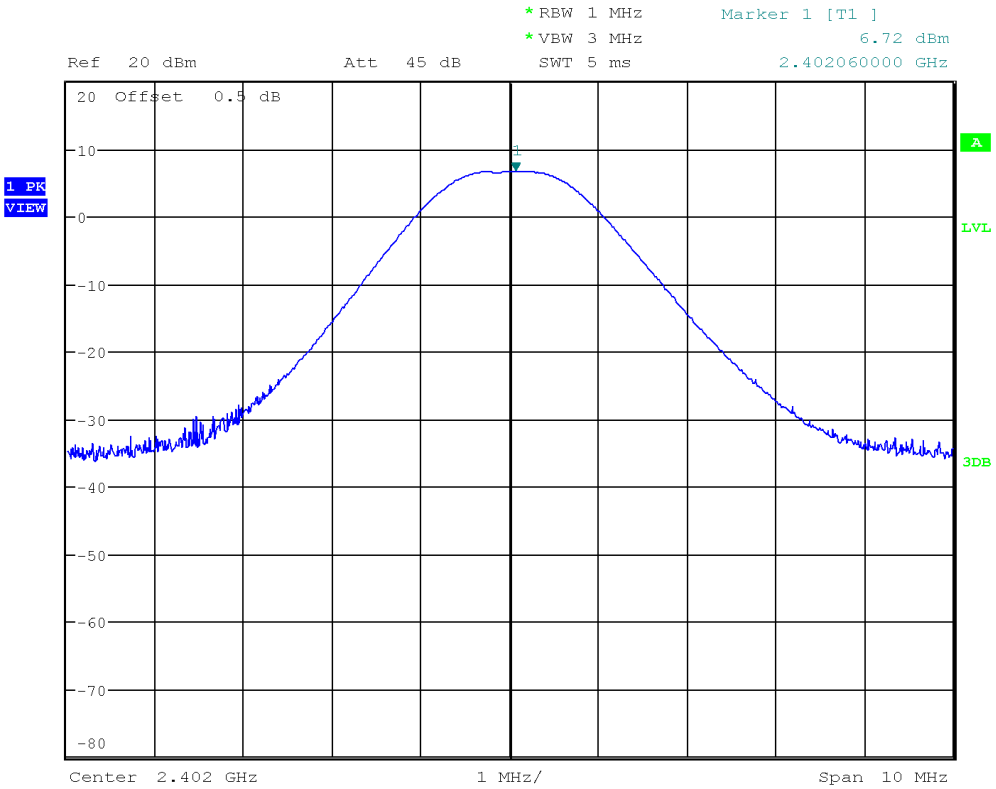
3.2.6 Results

Test Results 1 Mbps – FCC							
Channel [MHz]	Conducted Power [dBm]	Conducted Power [W]	Conducted Limit [W]	EIRP Power [dBm]	EIRP Power [W]	EIRP Limit [W]	Verdict
2402	6.717	0.0047	1.0	2.869	0.00194	4.0	PASS
2440	6.377	0.0043	1.0	2.529	0.00179	4.0	PASS
2480	5.927	0.0039	1.0	2.079	0.00161	4.0	PASS
Comment: worst case: with maximum antenna gain (-3.848 dBi)							

Test Results 2 Mbps – FCC							
Channel [MHz]	Conducted Power [dBm]	Conducted Power [W]	Conducted Limit [W]	EIRP Power [dBm]	EIRP Power [W]	EIRP Limit [W]	Verdict
2402	6.662	0.0046	1.0	2.814	0.00191	4.0	PASS
2440	6.321	0.0043	1.0	2.473	0.00177	4.0	PASS
2480	5.739	0.0037	1.0	1.891	0.00155	4.0	PASS
Comment: worst case: with maximum antenna gain (-3.848 dBi)							

Peak Conducted Output Power

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, MODEL 02
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 11.9.1.1
Operational Mode:	GFSK, Channel: 0, 2402 MHz, 1Mbps
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-06-04
Peak Power [dBm]:	6.717
Peak Power [W]:	0.0047



Peak Conducted Output Power

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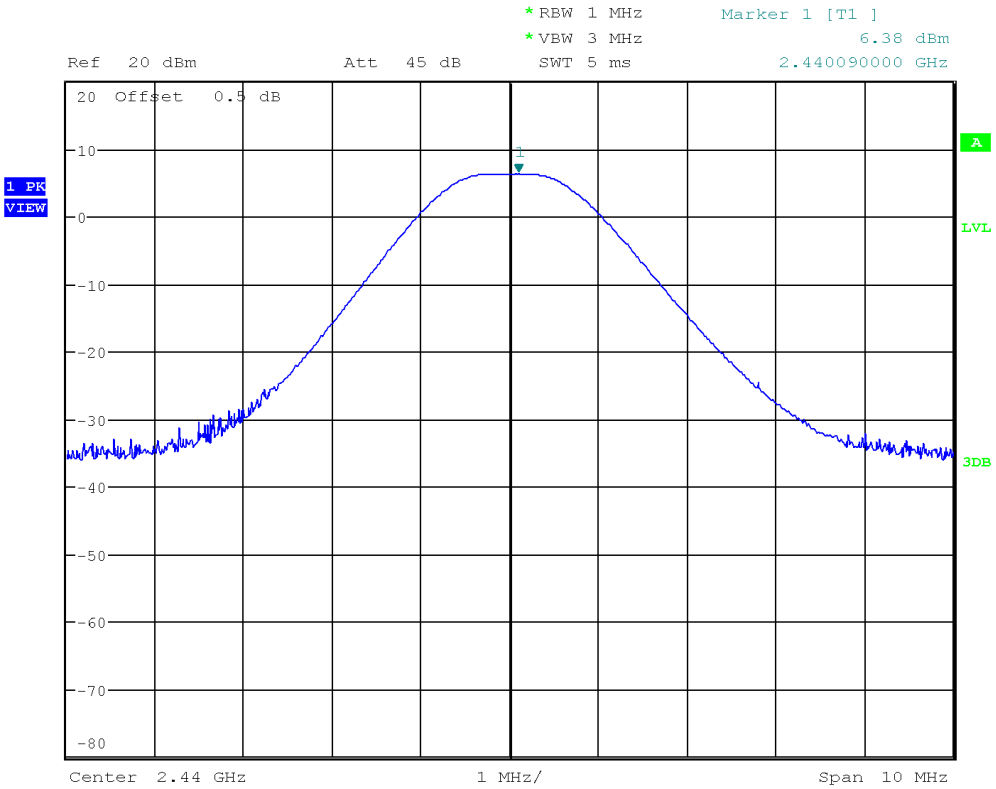
Reference Method:	ANSI C63.10:2013, Section 11.9.1.1
Operational Mode:	GFSK, Channel: 19, 2440 MHz, 1Mbps
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-06-04
Peak Power [dBm]:	6.377
Peak Power [W]:	0.0043



Peak Conducted Output Power

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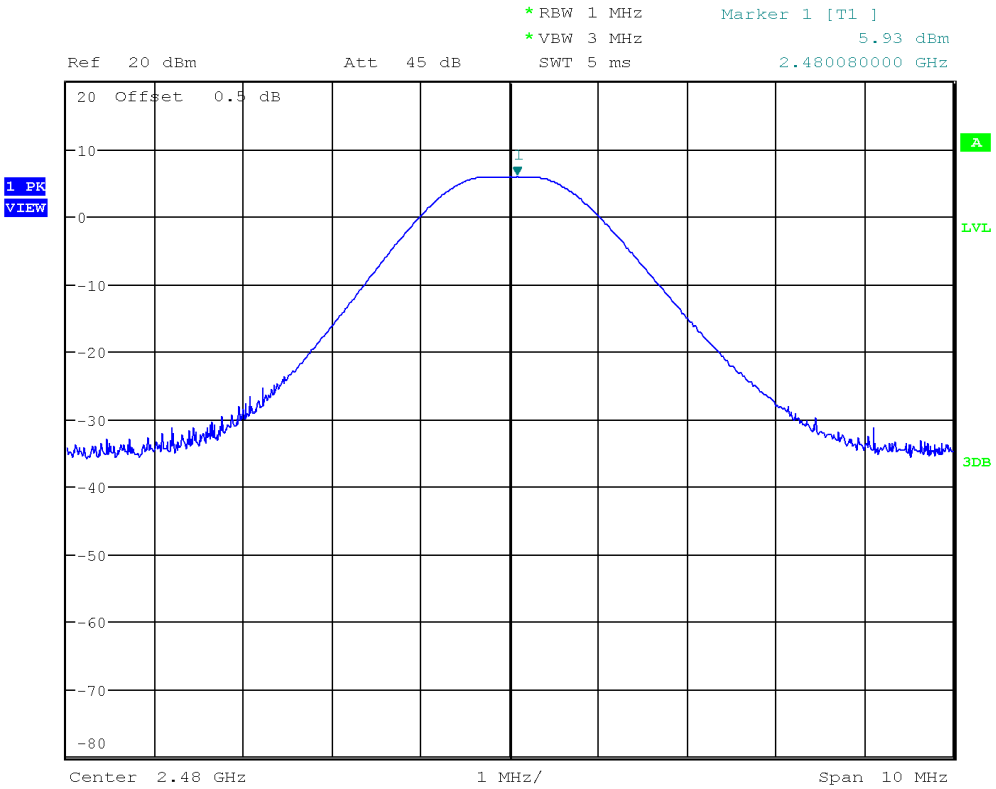
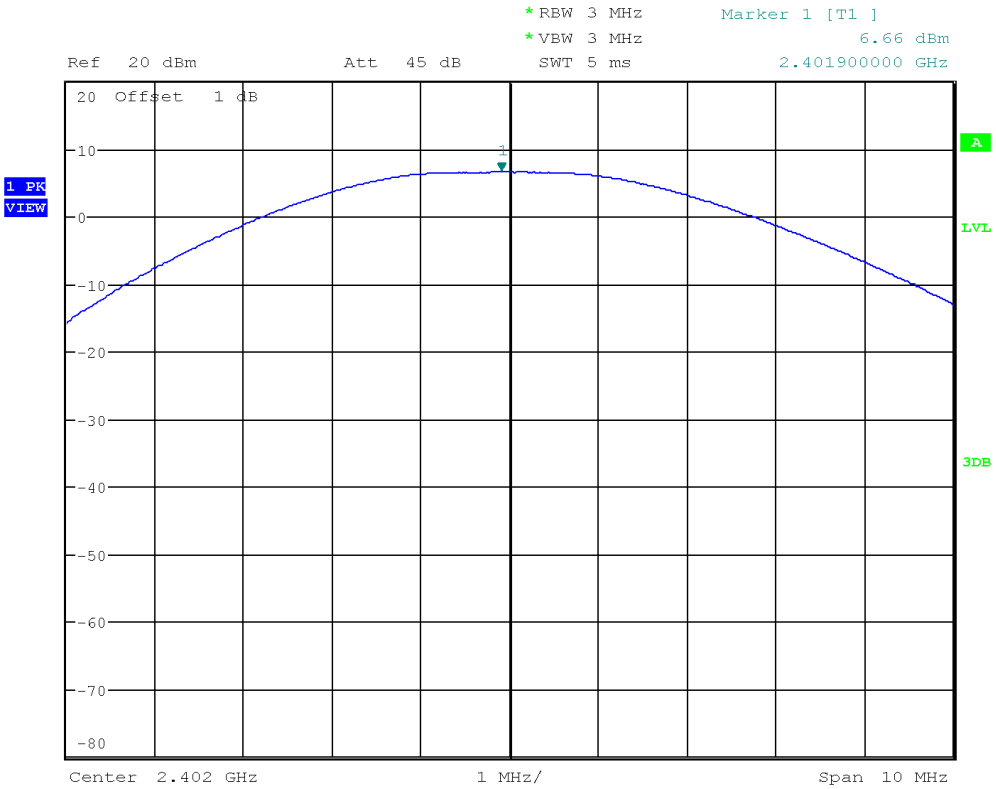
Operational Mode:	GFSK, Channel: 39, 2480 MHz, 1Mbps
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-06-04
Peak Power [dBm]:	5.927
Peak Power [W]:	0.0039



Date: 4.JUN.2024 15:07:27

Peak Conducted Output Power

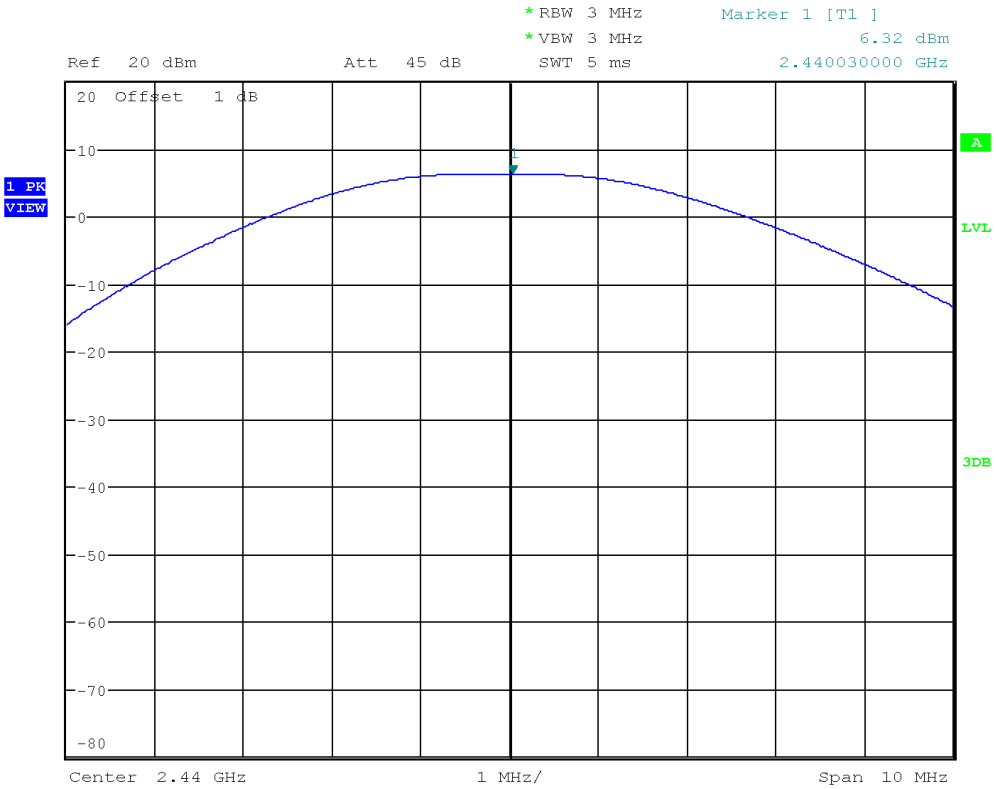
Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	Auto-Injector
Model:	IDA0097
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 11.9.1.1
Operational Mode:	GFSK, Channel: 0, 2402 MHz, 2Mbps
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-08-28
Peak Power [dBm]:	6.662
Peak Power [W]:	0.0046



Date: 28.AUG.2024 12:57:54

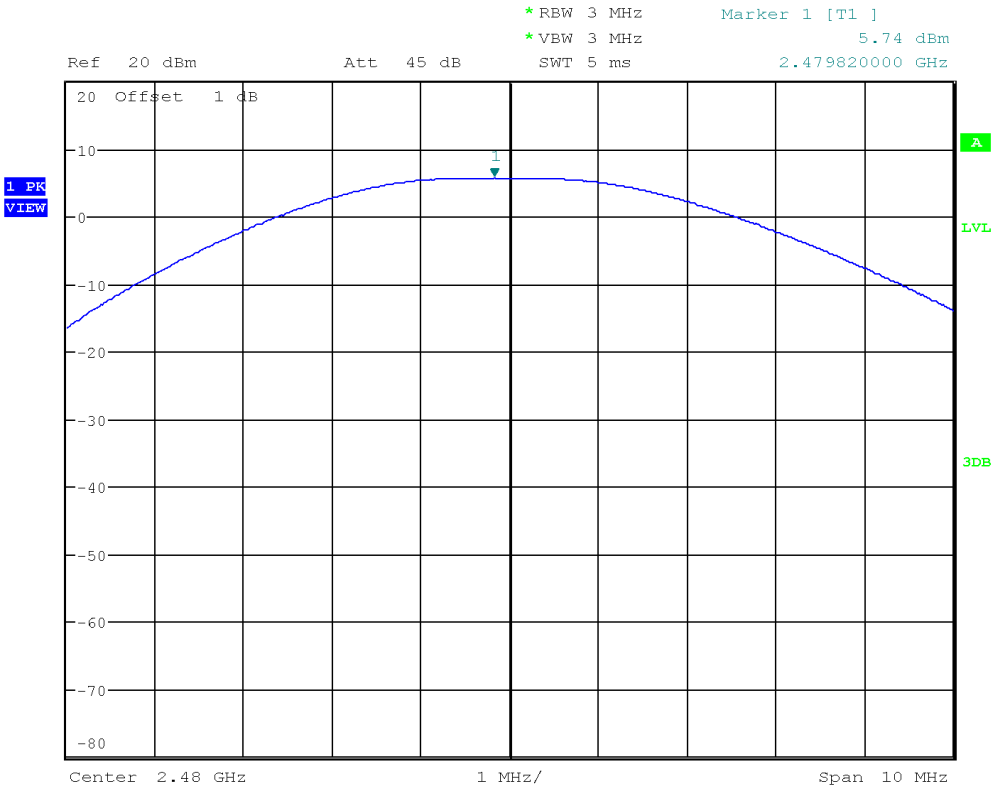
Peak Conducted Output Power

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	Auto-Injector
Model:	IDA0097
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 11.9.1.1
Operational Mode:	GFSK, Channel: 19, 2440 MHz, 2Mbps
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-08-28
Peak Power [dBm]:	6.321
Peak Power [W]:	0.0043



Peak Conducted Output Power

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	Auto-Injector
Model:	IDA0097
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 11.9.1.1
Operational Mode:	GFSK, Channel: 39, 2480 MHz, 2Mbps
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-08-28
Peak Power [dBm]:	5.739
Peak Power [W]:	0.0037



3.3 Test Conditions and Results - Power spectral density

3.3.1 Information

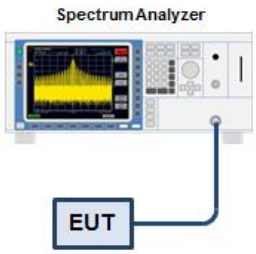
Test Information	
Reference	FCC § 15.247(e)
Measurement Method	ANSI C63.10 11.10.2, 14.3.2
Measurement Uncertainty	± 2.86 dB
Operator	Md Abu Bakar Siddique
Date	2024-05-24 to 2024-08-28

3.3.2 Limits

Limits
8 dBm / 3 kHz

3.3.3 Setup

Test Setup



3.3.4 Equipment

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Spectrum Analyser	R&S	FSU 43	EF01631	2023-08	2024-08

3.3.5 Procedure

Test Procedure

1. EUT set to test mode
2. The analyzer is set to DTS channel center frequency with a span of 1.5 times the DTS bandwidth
3. The RBW is set to 100 kHz with VBW ≥ RBW and the detector is set to peak with max hold
4. After the trace has stabilized a marker is set to the envelope maximum
5. If the power spectral density is above the limit the RBW is reduced (not lower than 3 kHz) and the measurement is repeated
6. If the EUT has more than one transmit chain the procedure is repeated for each transmit chain

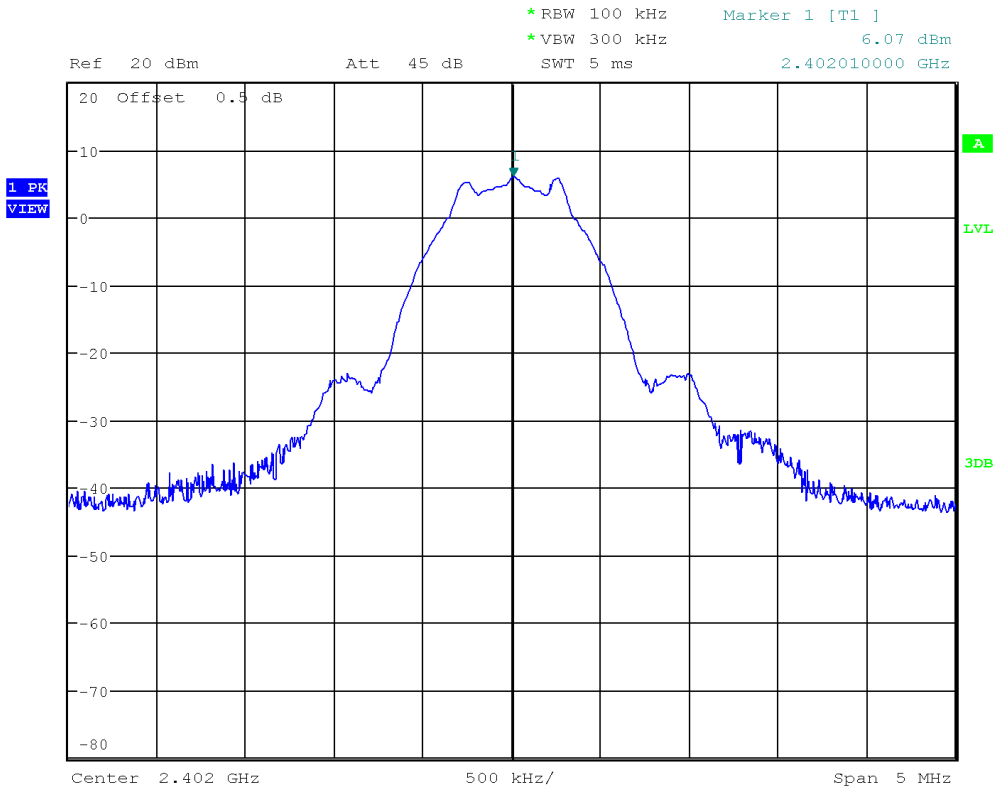
3.3.6 Results

Test Results 1 Mbps			
Channel [MHz]	PSD [dBm/RBW]	Limit [dBm/3kHz]	Verdict
2402	6.067	8.0	PASS
2440	5.880	8.0	PASS
2480	5.328	8.0	PASS
RBW = 100 kHz			

Test Results 2 Mbps			
Channel [MHz]	PSD [dBm/RBW]	Limit [dBm/3kHz]	Verdict
2402	6.087	8.0	PASS
2440	5.784	8.0	PASS
2480	5.177	8.0	PASS
RBW = 100 kHz			

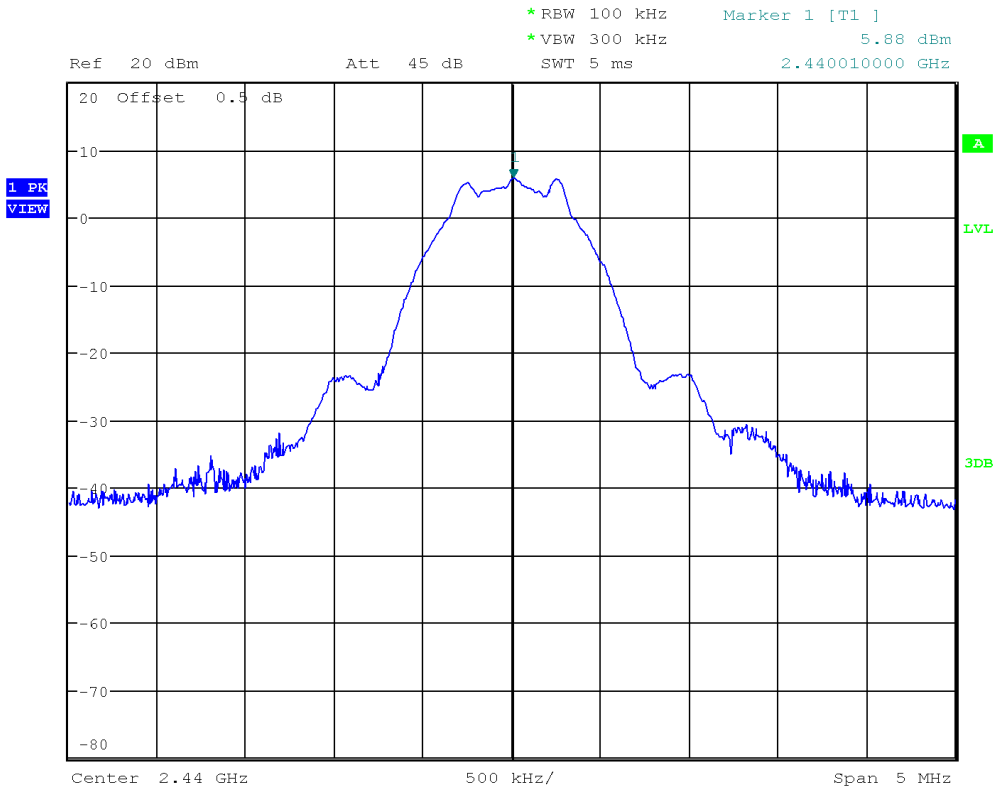
Peak Power Spectral Density

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, MODEL 02
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 11.10.2
Operational Mode:	GFSK, Channel: 0, 2402 MHz, 1Mbps
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-05-24
Peak Frequency [MHz]:	2402.010
Spectral Density [dBm/RBW]:	6.067
Resolution Bandwidth [kHz]:	100 kHz



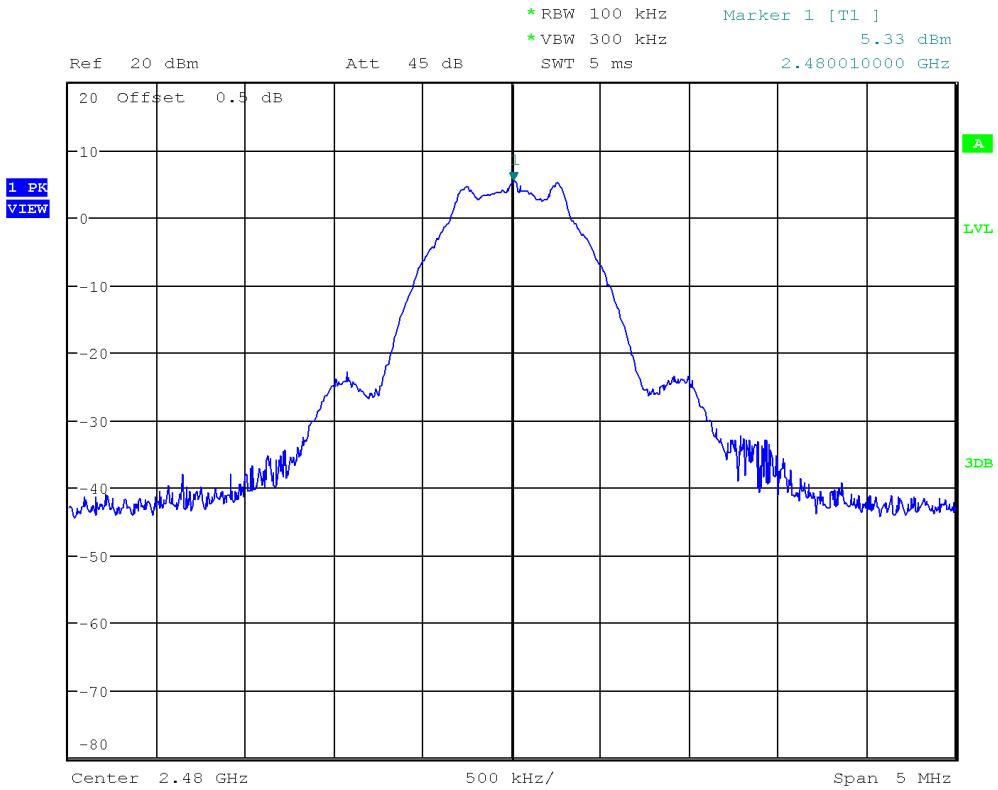
Peak Power Spectral Density

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, MODEL 02
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 11.10.2
Operational Mode:	GFSK, Channel: 19, 2440 MHz, 1Mbps
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-05-24
Peak Frequency [MHz]:	2440.010
Spectral Density [dBm/RBW]:	5.880
Resolution Bandwidth [kHz]:	100 kHz



Peak Power Spectral Density

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, MODEL 02
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 11.10.2
Operational Mode:	GFSK, Channel: 39, 2480 MHz, 1Mbps
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-05-24
Peak Frequency [MHz]:	2480.010
Spectral Density [dBm/RBW]:	5.328
Resolution Bandwidth [kHz]:	100 kHz



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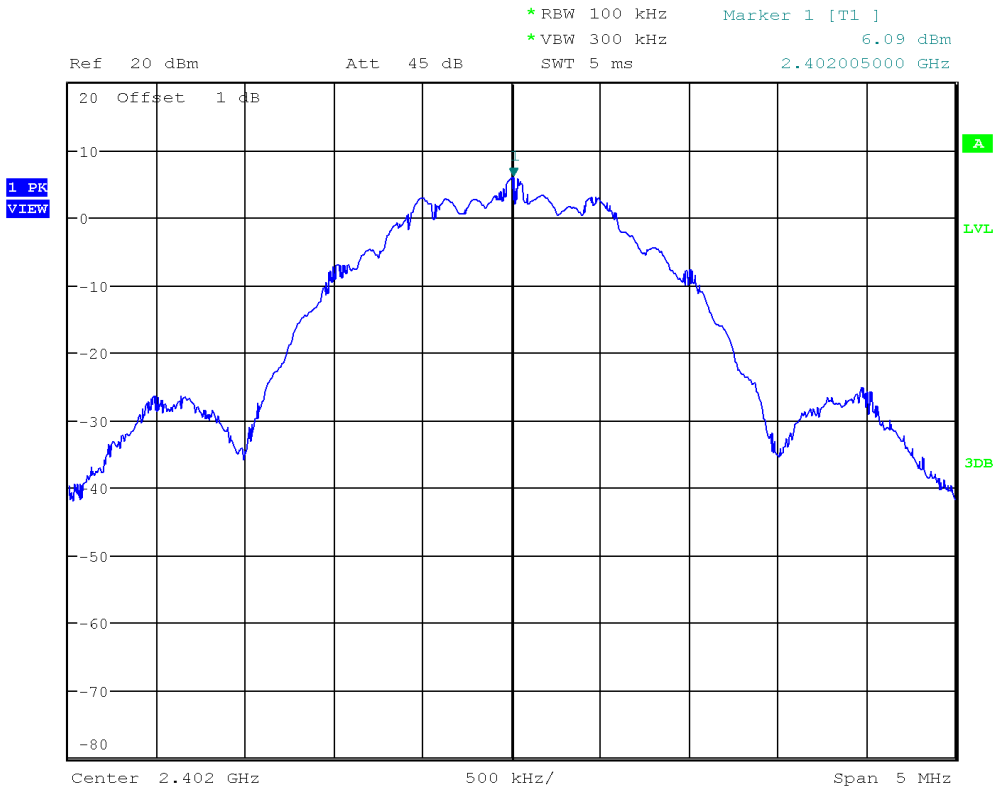
Peak Power Spectral Density

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	Auto-Injector
Model:	IDA0097
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 11.10.2
Operational Mode:	GFSK, Channel: 0, 2402 MHz, 2Mbps
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-08-28
Peak Frequency [MHz]:	2402.005
Spectral Density [dBm/RBW]:	6.087
Resolution Bandwidth [kHz]:	100 kHz



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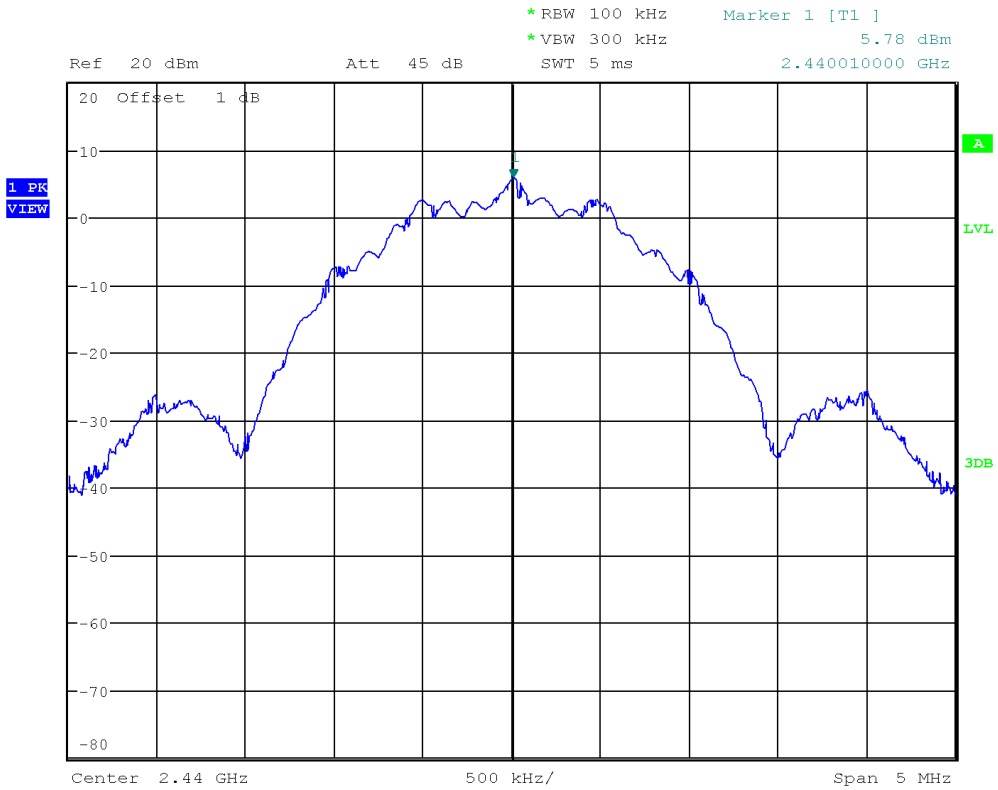
Peak Power Spectral Density

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	Auto-Injector
Model:	IDA0097
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 11.10.2
Operational Mode:	GFSK, Channel: 19, 2440 MHz, 2Mbps
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-08-28
Peak Frequency [MHz]:	2440.010
Spectral Density [dBm/RBW]:	5.784
Resolution Bandwidth [kHz]:	100 kHz



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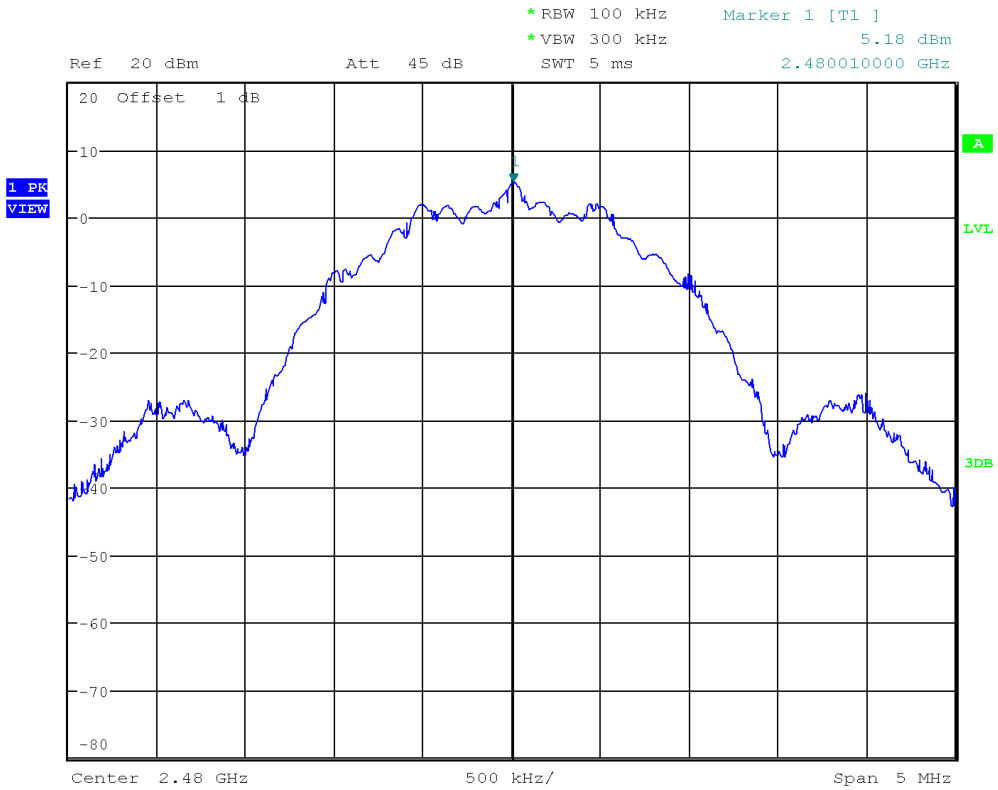
Peak Power Spectral Density

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	Auto-Injector
Model:	IDA0097
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 11.10.2
Operational Mode:	GFSK, Channel: 39, 2480 MHz, 2Mbps
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-08-28
Peak Frequency [MHz]:	2480.010
Spectral Density [dBm/RBW]:	5.177
Resolution Bandwidth [kHz]:	100 kHz



3.4 Test Conditions and Results - Band-edge compliance

3.4.1 Information

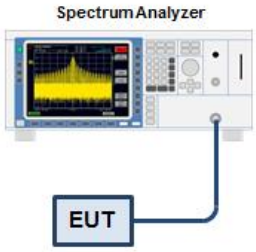
Test Information	
Reference	FCC § 15.247(d)
Measurement Uncertainty	± 3.64 dB
Measurement Method	ANSI C63.10 11.13
Operator	Md Abu Bakar Siddique
Date	2024-05-24 to 2024-08-28

3.4.2 Limits

Limits	
Power Measurement	Out-of-band attenuation [dB]
Peak	20
RMS	30

3.4.3 Setup

Test Setup



3.4.4 Equipment

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Spectrum Analyser	R&S	FSU 43	EF01631	2023-08	2024-08

3.4.5 Procedure

Test Procedure

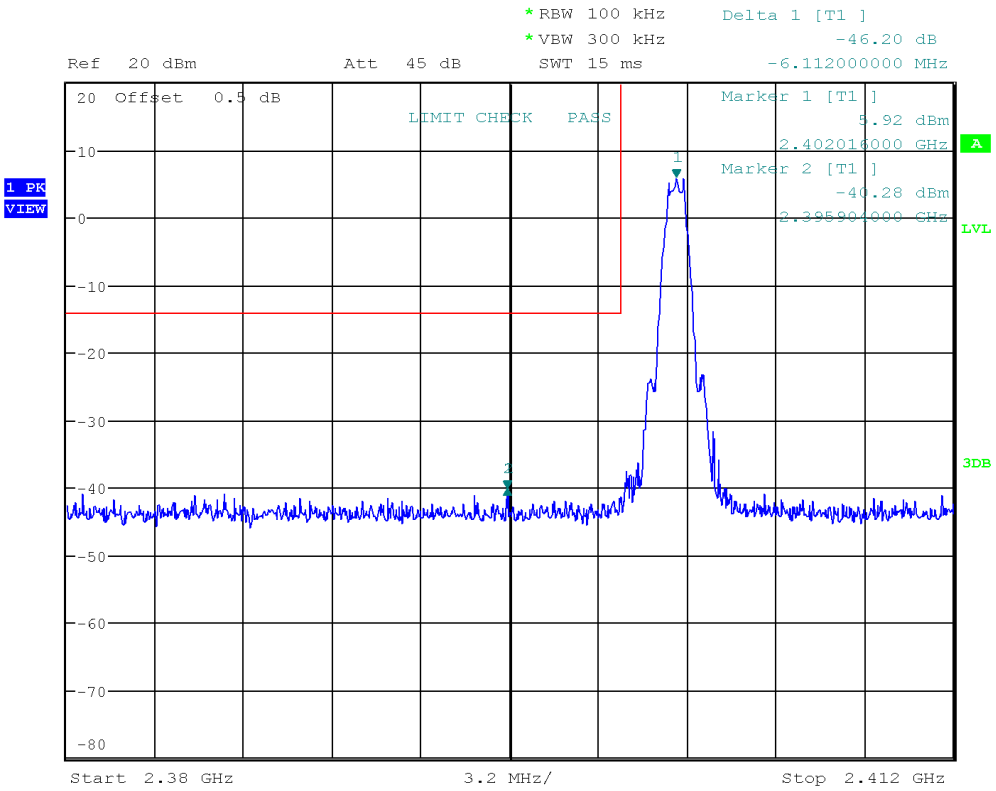
1. EUT set to test mode (Communication tester is used if needed)
2. Span set around lower band edge and detector is set to peak and max hold
3. Resolution bandwidth is set to 100 kHz
4. Markers are set to peak emission levels within frequency band and outside frequency band
5. Band edge attenuation is determined from level difference

3.4.6 Results

Test Results				
Mode	Channel [MHz]	Out-of-band Attenuation [dB]	Limit [dB]	Verdict
1 Mbps	2402	-46.2	-20	PASS
1 Mbps	2480	-45.78	-20	PASS
2 Mbps	2402	-32.73	-20	PASS
2 Mbps	2480	-44.18	-20	PASS

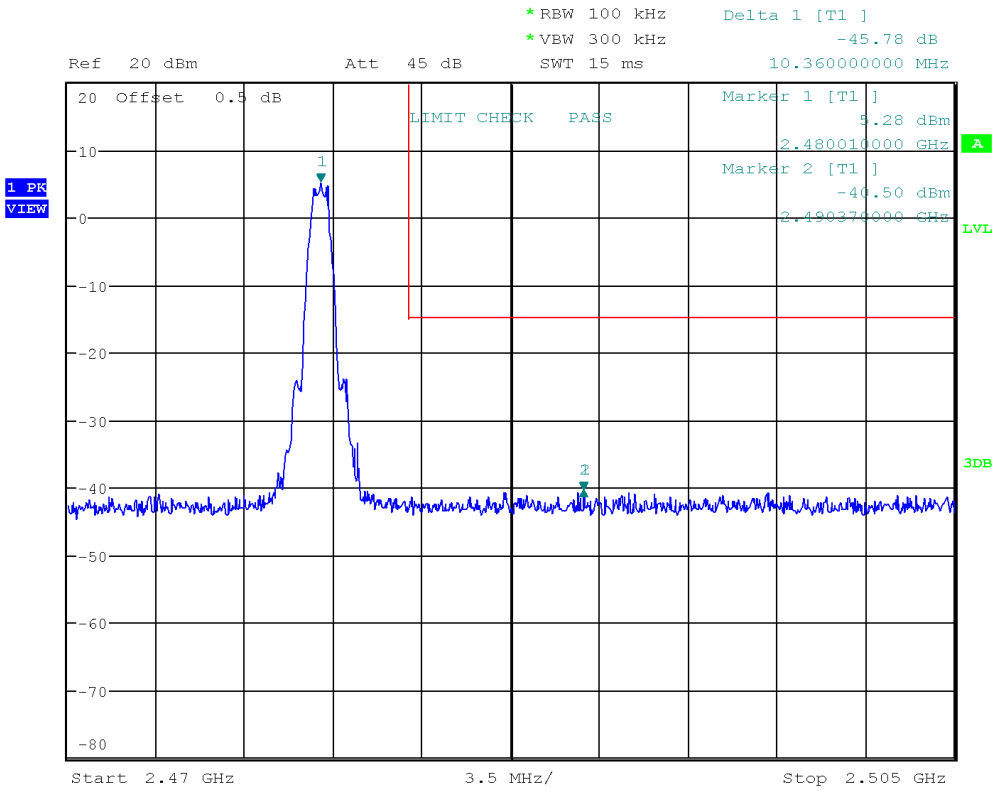
Emissions in nonrestricted frequency bands at the Band-edge , 1Mbps

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, MODEL 02
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 7.8.6, 6.10.4
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-05-24
Band-edge	Lower
In-band Frequency [MHz]:	2402.016
Max. in-band Level [dBm/100 kHz]:	5.92
Out-of-band Frequency [MHz]:	2395.904
Max. out-of-band Level [dBm/100 kHz]:	-40.278
Attenuation [dB]:	-46.2



Emissions in nonrestricted frequency bands at the Band-edge, 1Mbps

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, MODEL 02
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 7.8.6, 6.10.4
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-05-24
Band-edge	Upper
In-band Frequency [MHz]:	2480.01
Max. in-band Level [dBm/100 kHz]:	5.277
Out-of-band Frequency [MHz]:	2490.37
Max. out-of-band Level [dBm/100 kHz]:	-40.503
Attenuation [dB]:	-45.78



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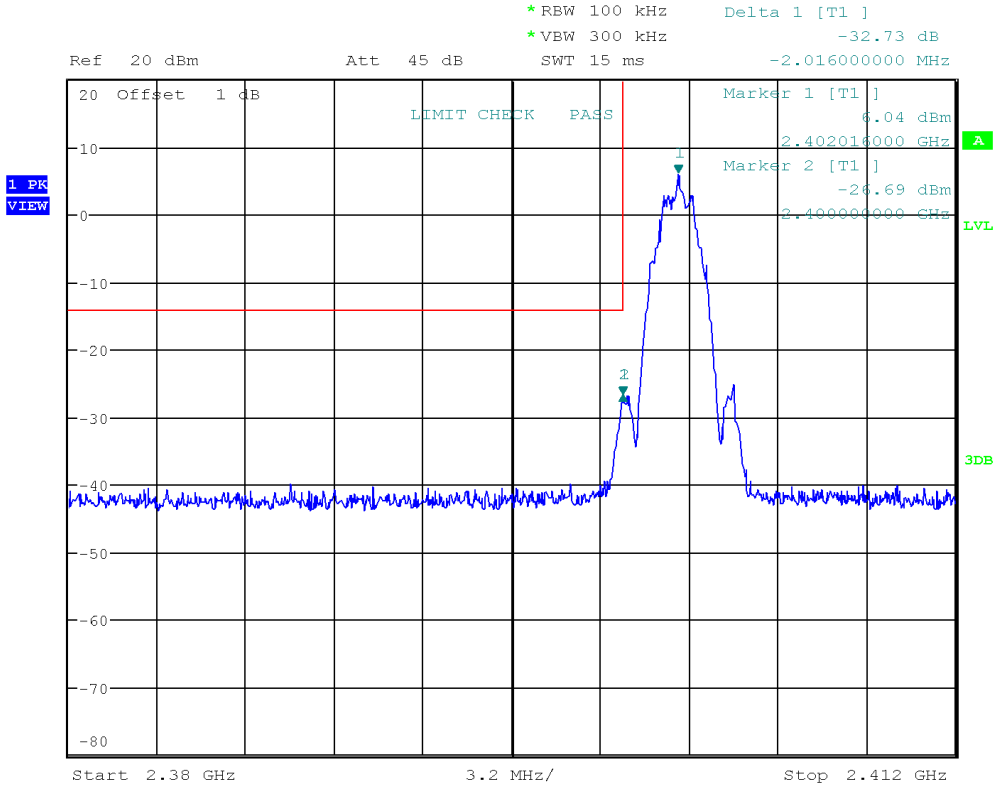
Emissions in nonrestricted frequency bands at the Band-edge, 2Mbps

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	Auto-Injector
Model:	IDA0097
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 7.8.6, 6.10.4
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-08-28
Band-edge	Lower
In-band Frequency [MHz]:	2402.016
Max. in-band Level [dBm/100 kHz]:	6.042
Out-of-band Frequency [MHz]:	2400.0
Max. out-of-band Level [dBm/100 kHz]:	-26.686
Attenuation [dB]:	-32.73



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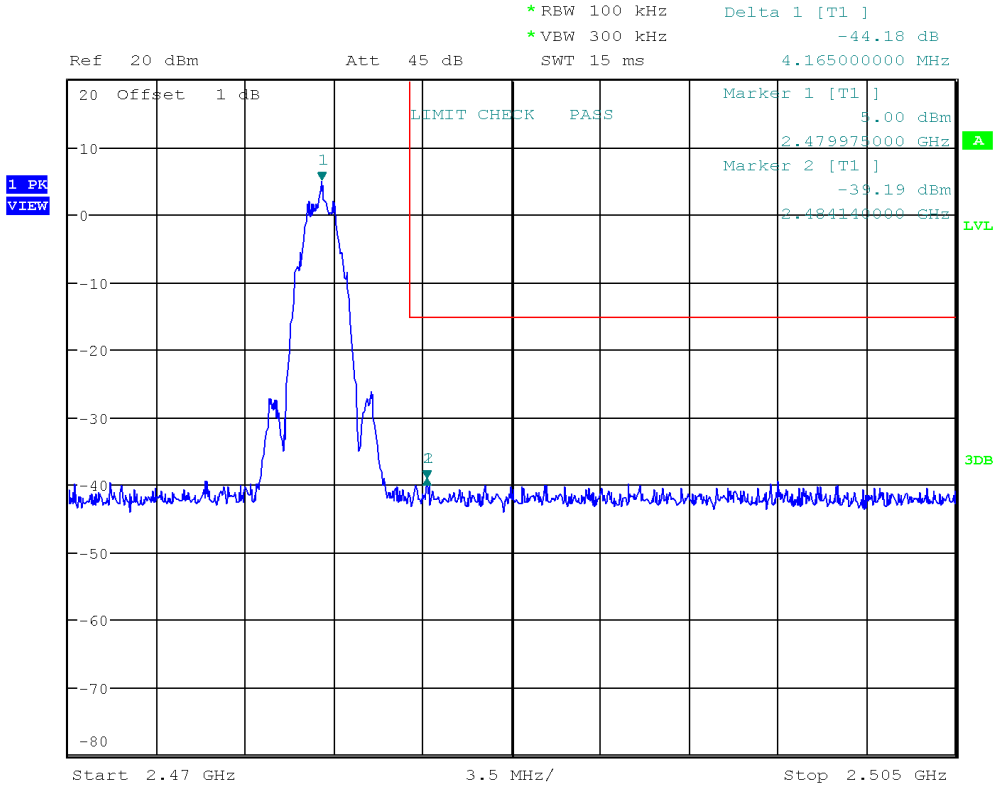
Emissions in nonrestricted frequency bands at the Band-edge, 2Mbps

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	Auto-Injector
Model:	IDA0097
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 7.8.6, 6.10.4
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-08-28
Band-edge	Upper
In-band Frequency [MHz]:	2479.975
Max. in-band Level [dBm/100 kHz]:	4.997
Out-of-band Frequency [MHz]:	2484.14
Max. out-of-band Level [dBm/100 kHz]:	-39.187
Attenuation [dB]:	-44.18



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3.5 Test Conditions and Results - Conducted spurious emissions

3.5.1 Information

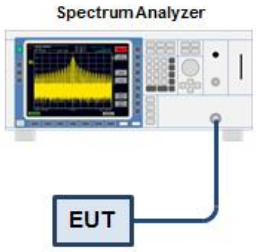
Test Information	
Reference	FCC § 15.247(d)
Measurement Uncertainty	± 4.25 dB
Measurement Method	ANSI C63.10 11.11
Operator	Md Abu Bakar Siddique
Date	2024-05-27 to 2024-08-28

3.5.2 Limits

Limits	
Power Measurement	Out-of-band attenuation [dB]
Peak	20
RMS	30

3.5.3 Setup

Test Setup



3.5.4 Equipment

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Spectrum Analyser	R&S	FSU 43	EF01631	2023-08	2024-08

3.5.5 Procedure

Test Procedure

1. EUT set to test mode (Communication tester is used if needed)
2. Span set around lower band edge and detector is set to peak and max hold
3. Resolution bandwidth is set to 100 kHz
4. Markers are set to peak emission levels outside frequency band

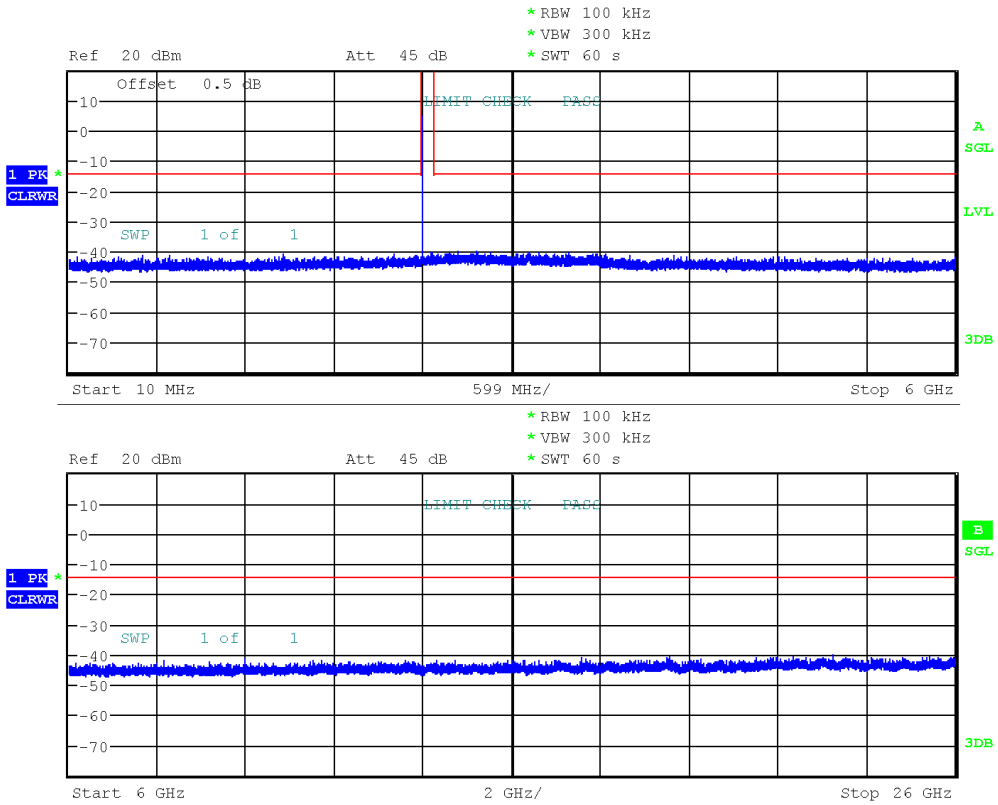
3.5.6 Results

Test Results 1 Mbps		
Mode	Channel [MHz]	Verdict
GFSK	2402	PASS
GFSK	2440	PASS
GFSK	2480	PASS

Test Results 2 Mbps		
Mode	Channel [MHz]	Verdict
GFSK	2402	PASS
GFSK	2440	PASS
GFSK	2480	PASS

Conducted Spurious Emissions

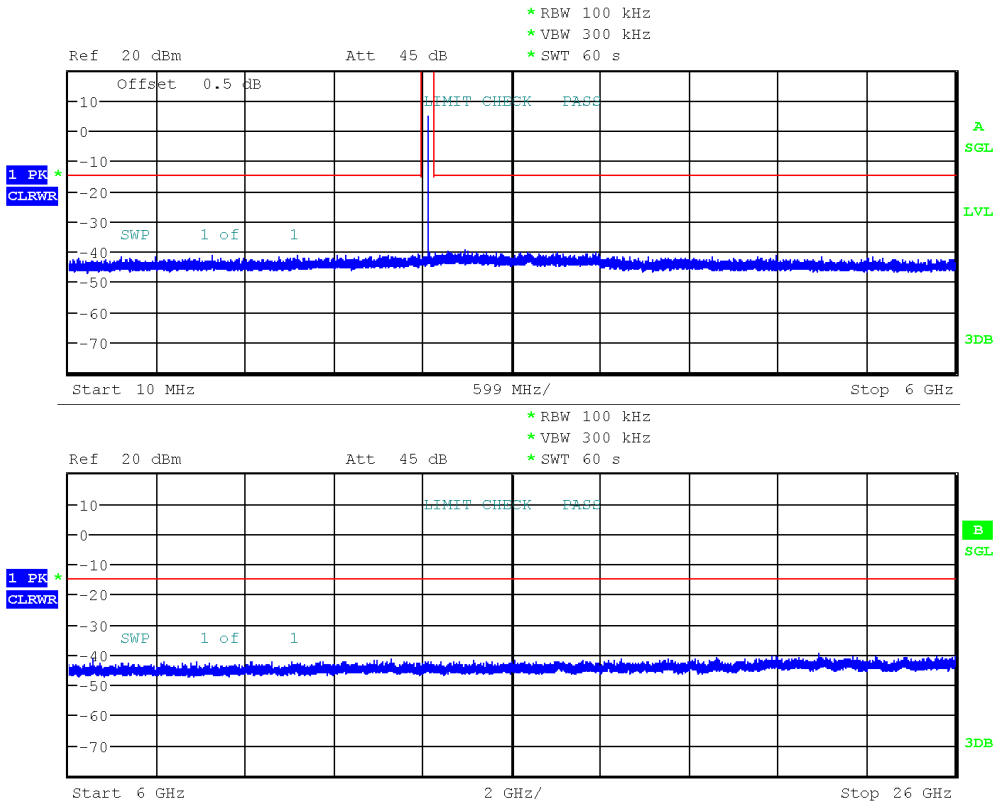
Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, MODEL 02
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 11.11
Operational Mode:	GFSK, Channel: 0, 2402 MHz, 1Mbps
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-05-27
Max. in-band Frequency [MHz]:	2402.0
Max. in-band Level [dBm/100 kHz]:	5.7
Out-of-band Limit [dBm/100 kHz]:	-14.3



Date: 27.MAY.2024 10:17:33

Conducted Spurious Emissions

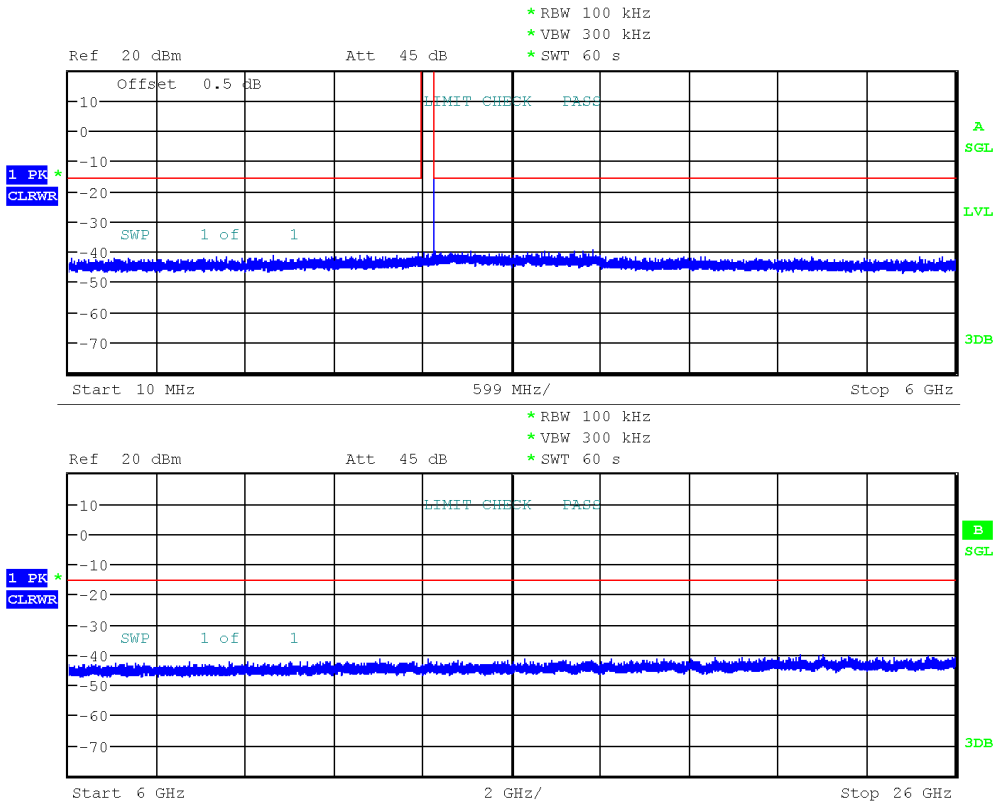
Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, MODEL 02
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 11.11
Operational Mode:	GFSK, Channel: 19, 2440 MHz, 1Mbps
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-05-27
Max. in-band Frequency [MHz]:	2440.0
Max. in-band Level [dBm/100 kHz]:	5.3
Out-of-band Limit [dBm/100 kHz]:	-14.7



Date: 27.MAY.2024 10:22:18

Conducted Spurious Emissions

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, MODEL 02
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 11.11
Operational Mode:	GFSK, Channel: 39, 2480 MHz, 1Mbps
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-05-27
Max. in-band Frequency [MHz]:	2480.0
Max. in-band Level [dBm/100 kHz]:	4.8
Out-of-band Limit [dBm/100 kHz]:	-15.2



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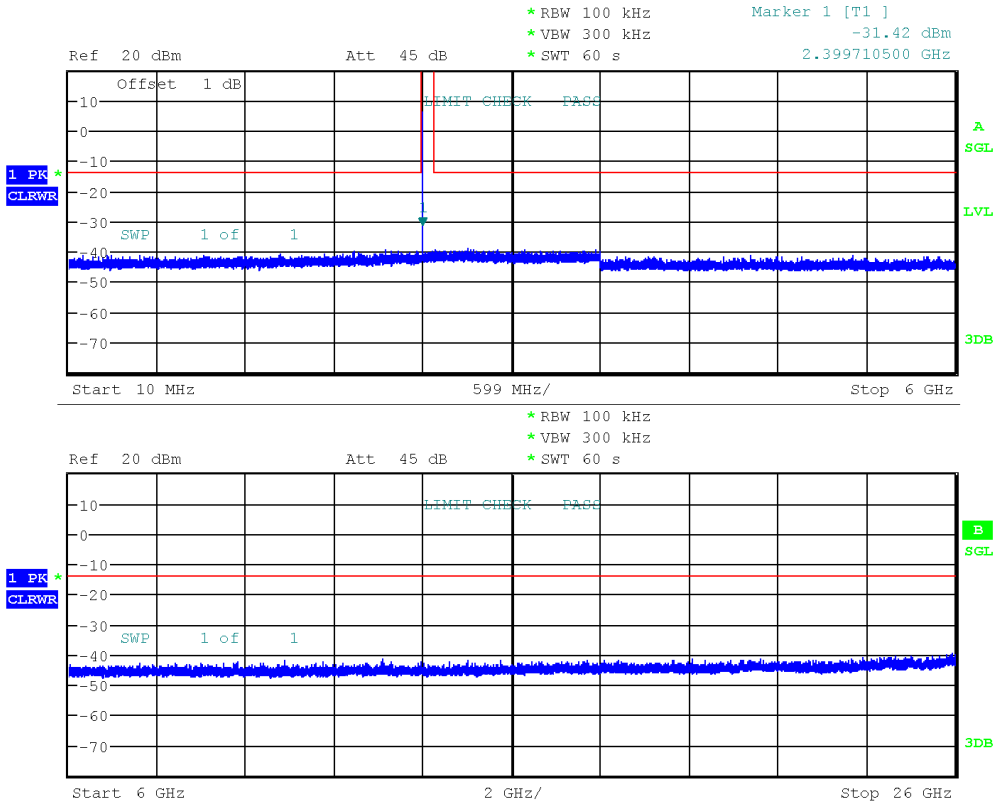
Conducted Spurious Emissions

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	Auto-Injector
Model:	IDA0097
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 11.11
Operational Mode:	GFSK, Channel: 0, 2402 MHz, 2Mbps
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-08-28
Max. in-band Frequency [MHz]:	2402.0
Max. in-band Level [dBm/100 kHz]:	6.1
Out-of-band Limit [dBm/100 kHz]:	-13.9



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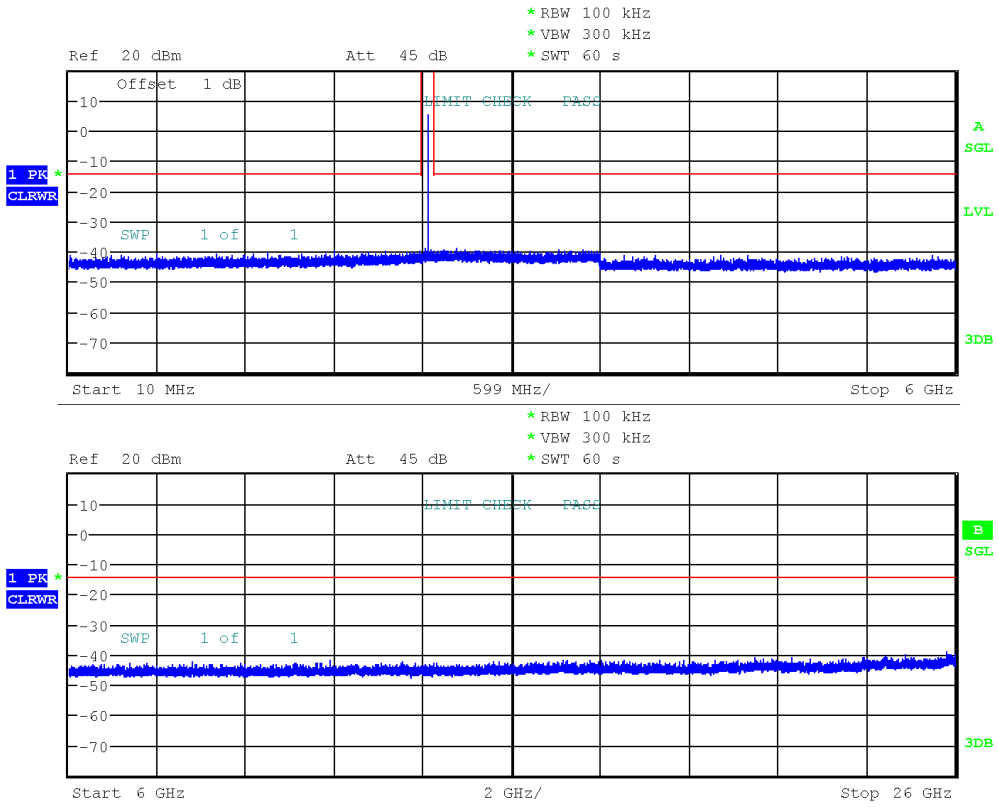
Conducted Spurious Emissions

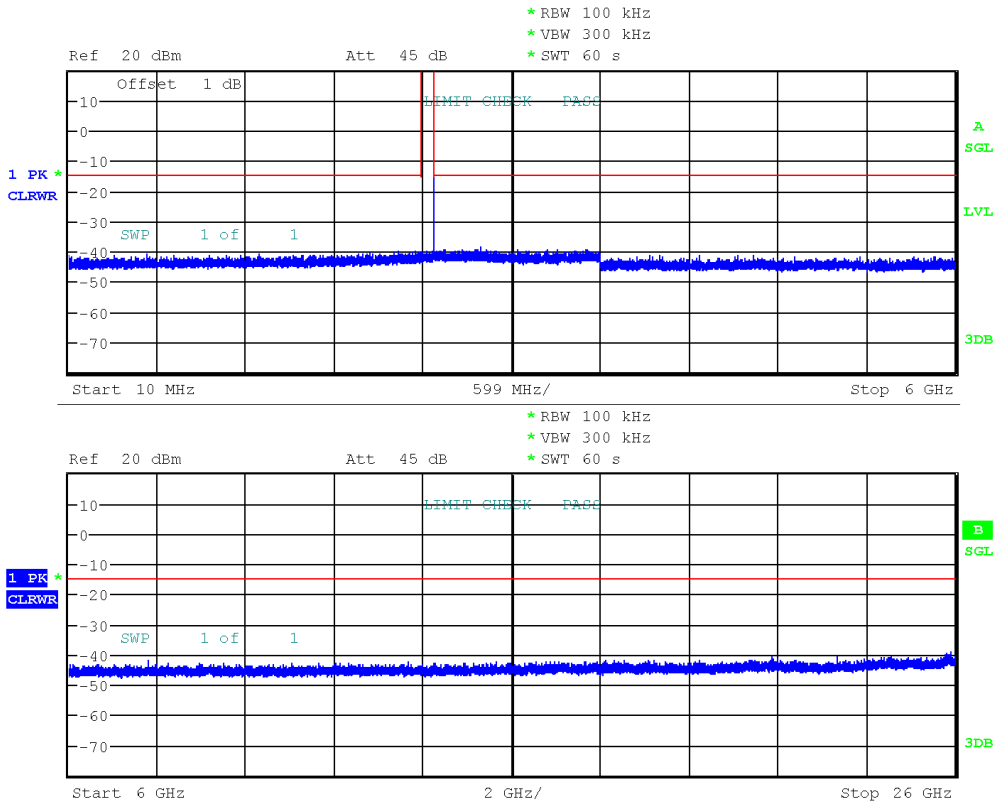
Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	Auto-Injector
Model:	IDA0097
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 11.11
Operational Mode:	GFSK, Channel: 19, 2440 MHz, 2Mbps
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-08-28
Max. in-band Frequency [MHz]:	2440.0
Max. in-band Level [dBm/100 kHz]:	5.7
Out-of-band Limit [dBm/100 kHz]:	-14.3



Date: 28.AUG.2024 13:20:40

Conducted Spurious Emissions

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	Auto-Injector
Model:	IDA0097
Test Sample ID:	48528
Reference Standards:	FCC 15.247, RSS-247
Reference Method:	ANSI C63.10:2013, Section 11.11
Operational Mode:	GFSK, Channel: 39, 2480 MHz, 2Mbps
Operating Conditions:	Tnom/Vnom
Operator:	Md Abu Bakar Siddique
Test Site:	Eurofins Product Service GmbH
Test Date:	2024-08-28
Max. in-band Frequency [MHz]:	2480.0
Max. in-band Level [dBm/100 kHz]:	5.2
Out-of-band Limit [dBm/100 kHz]:	-14.8



Date: 28.AUG.2024 13:32:15

3.6 Test Conditions and Results - Transmitter radiated emissions

3.6.1 Information

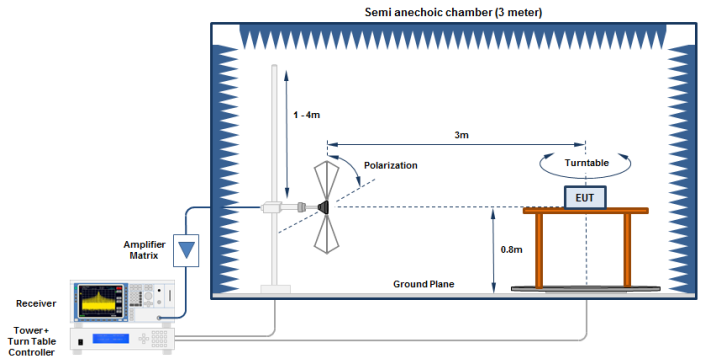
Test Information	
Reference	FCC § 15.247(d); FCC § 15.209
Measurement Uncertainty	± 5.95 dB
Measurement Method	ANSI C63.10 6.4, 6.5, 6.6, 11.12
Operator	Md Abu Bakar Siddique
Date	2024-05-29 to 2024-08-29

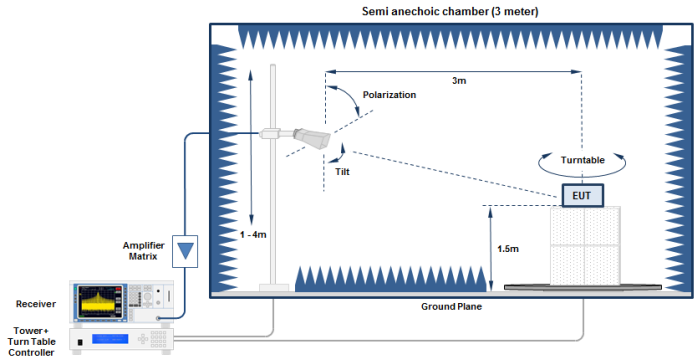
3.6.2 Limits

Limits			
Frequency range [MHz]	Detector	Field strength [µV/m]	Measurement distance [m]
0.009 - 0.09	Average	2400/F[kHz]	300
0.09 - 0.110	Quasi-Peak	2400/F[kHz]	300
0.110 - 0.490	Average	2400/F[kHz]	300
0.490 - 1.705	Quasi-Peak	24000/F[kHz]	30
1.705 - 30.0	Quasi-Peak	30	30
30 - 88	Quasi-Peak	100	3
88 - 216	Quasi-Peak	150	3
216 - 960	Quasi-Peak	200	3
960 - 1000	Quasi-Peak	500	3
>1000	Average	500	3

3.6.3 Setup

Test Setup 30 MHz - 1000 MHz



Test Setup > 1 GHz


3.6.4 Equipment

Test Software			
Description	Manufacturer	Name	Version
EMC Software	DARE Instruments	RadiMation	2020.1.8

Test Equipment 30 - 1000 MHz					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Anechoic Chamber	Frankonia	AC1	EF00062	2022-11	2025-11
Measurement Receiver	R&S	ESU26	EF00887	2024-01	2025-01
Antenna	Schwarzbeck	VULB 9168	EF01824	2022-10	2025-10

Test Equipment > 1 GHz					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Anechoic Chamber	Frankonia	AC2	EF01616	2023-12	2024-12
Spectrum analyzer	R&S	FSW43	EF00896	2023-08	2024-08
Antenna	Schwarzbeck	BBHA 9120B	EF01678	2024-05	2027-05
Antenna	Schwarzbeck	HWRD 650	EF01679	2024-05	2027-05
Antenna	Amplifier Research	AT4560	EF00302	2023-09	2025-09

3.6.5 Procedure

Test Procedure 30 MHz - 1000 MHz
1. EUT is placed on a non conducting support at the center of a turn table 0.8 m above the ground 2. EUT set to test mode 3. The receiver is set to peak detection with max hold 4. The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m 5. All significant emissions are measured again using the corresponding final detector

Test Procedure > 1 GHz
1. EUT is placed on a non conducting support at the center of a turn table 1.5 m above the ground 2. EUT set to test mode 3. The receiver is set to peak detection with max hold 4. The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m 5. All significant emissions are measured again using the corresponding final detector

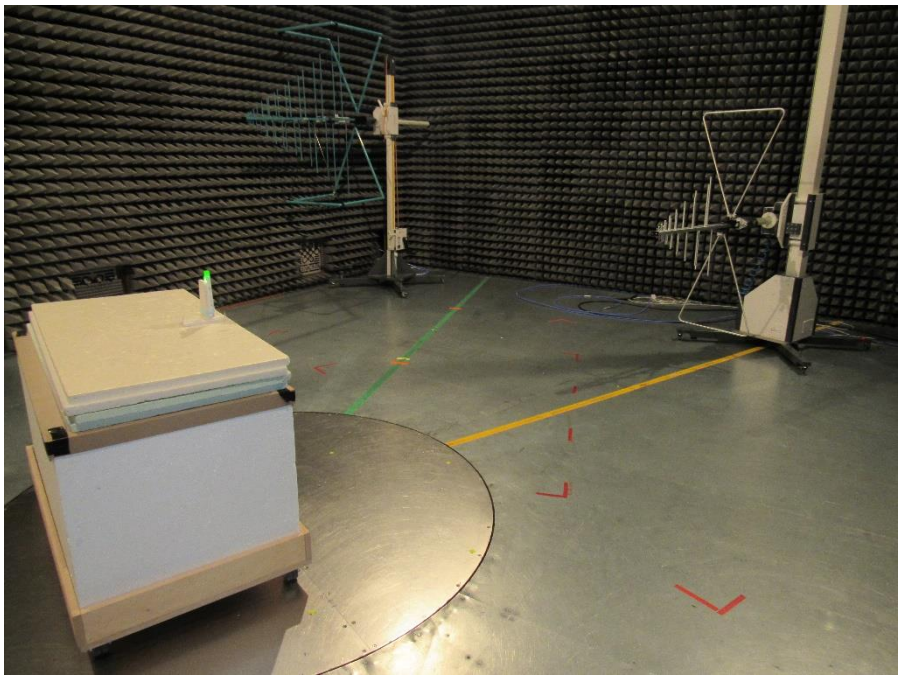
3.6.6 Results

Test Results – 1 Mbps						
Channel [MHz]	Emission [MHz]	Level [dBµV/m]	Det.	Pol.	Limit [dBµV/m]	Margin [dB]
2402	978.8217	35.00	pk	ver	54.00	-19.05
2402	1047.8	52.51	pk	ver	74.00	-21.49
2402	1047.8	31.73	avg	ver	54.00	-22.27
2402	1167.7	55.24	pk	ver	74.00	-18.76
2402	1167.7	31.51	avg	ver	54.00	-22.49
2402	4803.7	41.72	pk	ver	74.00	-32.28
2402	4803.7	35.66	avg	ver	54.00	-18.34
2402	12009	39.47	pk	ver	74.00	-34.53
2402	12009	30.10	avg	ver	54.00	-23.90
2440	984.286	35.30	pk	ver	54.00	-18.69
2440	1153.3	49.21	pk	ver	74.00	-24.79
2440	1153.3	26.49	avg	ver	54.00	-27.51
2440	4879.6	44.02	pk	ver	74.00	-29.98
2440	4879.6	36.71	avg	ver	54.00	-17.29
2440	7320.7	52.61	pk	ver	74.00	-21.39
2440	7320.7	46.86	avg	ver	54.00	-07.14
2440	12201	40.21	pk	ver	74.00	-33.79
2440	12201	32.61	avg	ver	54.00	-21.39
2480	4959	43.80	pk	ver	74.00	-30.20
2480	4959	37.13	avg	ver	54.00	-16.87
2480	7439	50.85	pk	ver	74.00	-23.15
2480	7439	45.93	avg	ver	54.00	-08.07
2480	12401	40.94	pk	ver	74.00	-33.06
2480	12401	32.47	avg	ver	54.00	-21.53

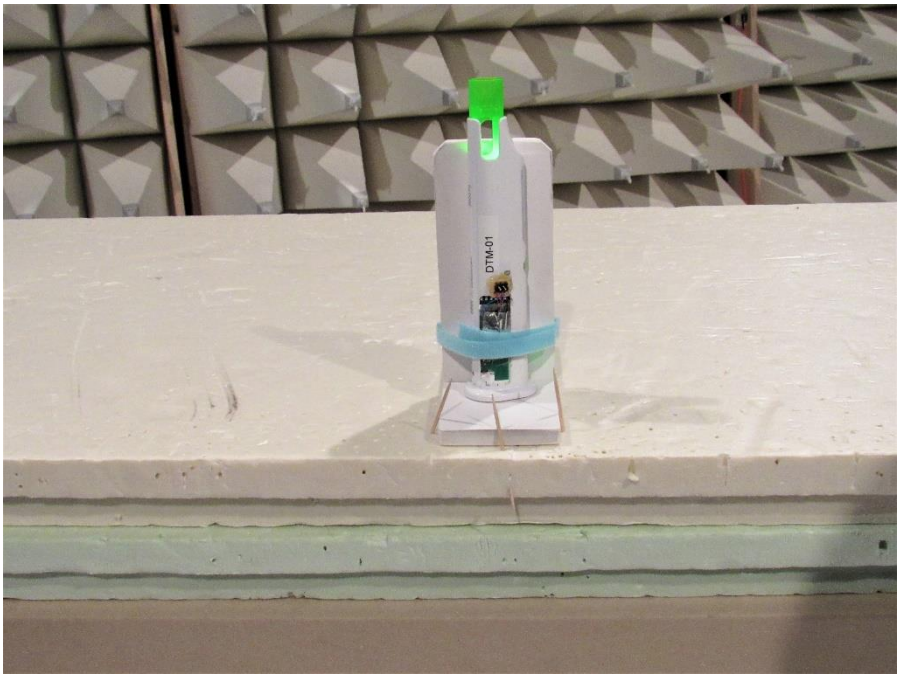
Test Results – 2 Mbps						
Channel [MHz]	Emission [MHz]	Level [dBµV/m]	Det.	Pol.	Limit [dBµV/m]	Margin [dB]
2402	112.7733	28.4	pk	ver	43.5	-15.1
2402	168.0633	28.7	pk	hor	43.5	-14.84
2402	239.8433	29.5	pk	hor	95	-65.47
2402	2273.9133	47.36	pk	ver	74	-26.64
2402	2273.9133	43.14	avg	ver	54	-10.86
2402	2338.4367	53.76	pk	ver	74	-20.24
2402	2338.4367	41.67	avg	ver	54	-12.33
2402	4803.2	43.3	pk	hor	74	-30.7
2402	4803.2	38.37	avg	hor	54	-15.63
2402	17877.333	41.6	pk	ver	74	-32.4
2402	17877.333	28.91	avg	ver	54	-25.09
2402	18144.217	49.53	pk	hor	74	-24.47
2402	18144.217	36.88	avg	hor	54	-17.12
2440	112.45	29.2	pk	ver	43.5	-14.3
2440	126.3533	28.7	pk	ver	43.5	-14.77
2440	168.0633	29.2	pk	hor	43.5	-14.3
2440	2312.1733	46.32	pk	ver	74	-27.68
2440	2312.1733	42.39	avg	ver	54	-11.61
2440	7318.5605	54.87	pk	hor	74	-19.13
2440	7318.5605	49.36	avg	hor	54	-4.64
2440	15796	39.55	pk	ver	74	-34.45
2440	15796	27.5	avg	ver	54	-26.5
2440	18059.5	48.93	pk	hor	74	-25.07
2440	18059.5	36.26	avg	hor	54	-17.74
2480	113.0967	28.9	pk	hor	43.5	-14.6
2480	167.74	29.6	pk	hor	43.5	-13.94
2480	264.0933	26.2	pk	hor	46	-19.77
2480	2351.933	47.97	pk	ver	74	-26.03
2480	2351.933	43.1	avg	ver	54	-10.9
2480	2486.3749	52.37	pk	ver	74	-21.63
2480	2486.3749	40.76	avg	ver	54	-13.24
2480	7441.387	53.37	pk	hor	74	-20.63
2480	7441.387	45.49	avg	hor	54	-8.51
2480	12397.667	40.7	pk	hor	74	-33.3
2480	12397.667	32.68	avg	hor	54	-21.32
2480	18087.267	48.15	pk	ver	74	-25.85
2480	18087.267	35.94	avg	ver	54	-18.06

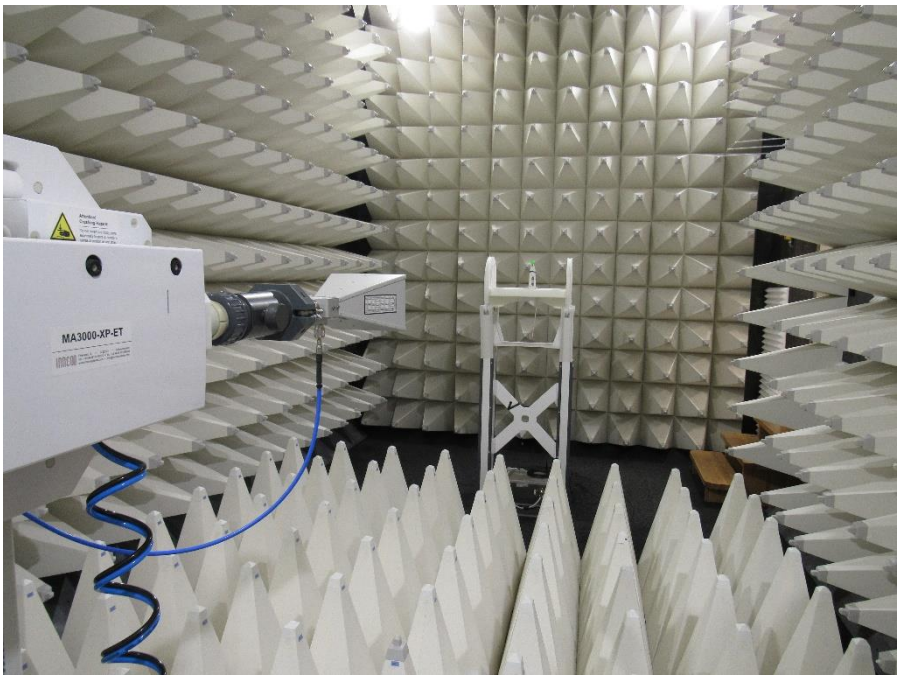
3.6.7 Setup Photos

Test setup below 1GHz - A

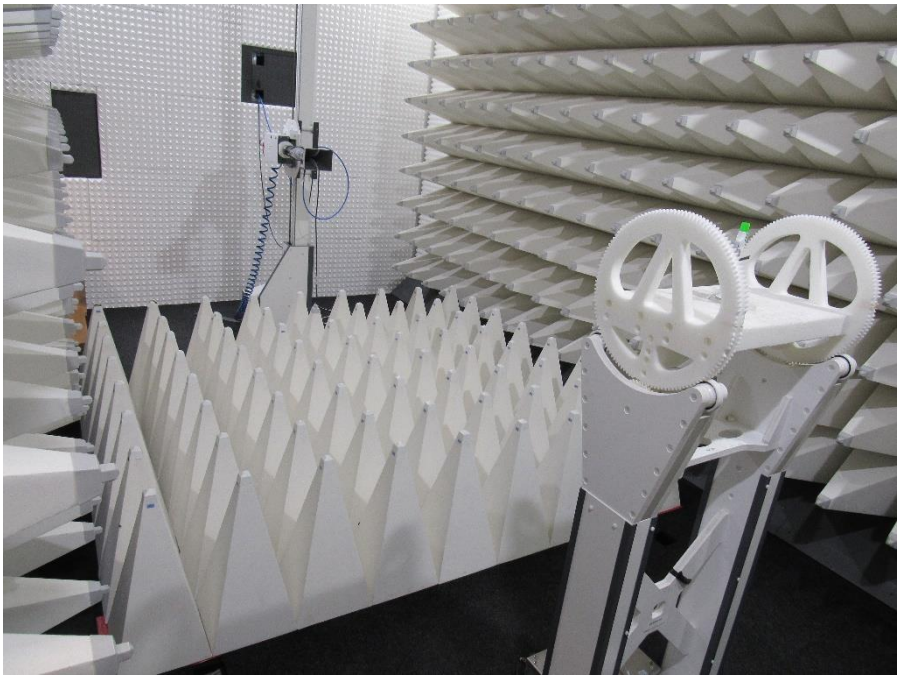


Test setup below 1GHz - B

Test setup below 1GHz - C


Test setup above 1GHz - A


Test setup above 1GHz - B

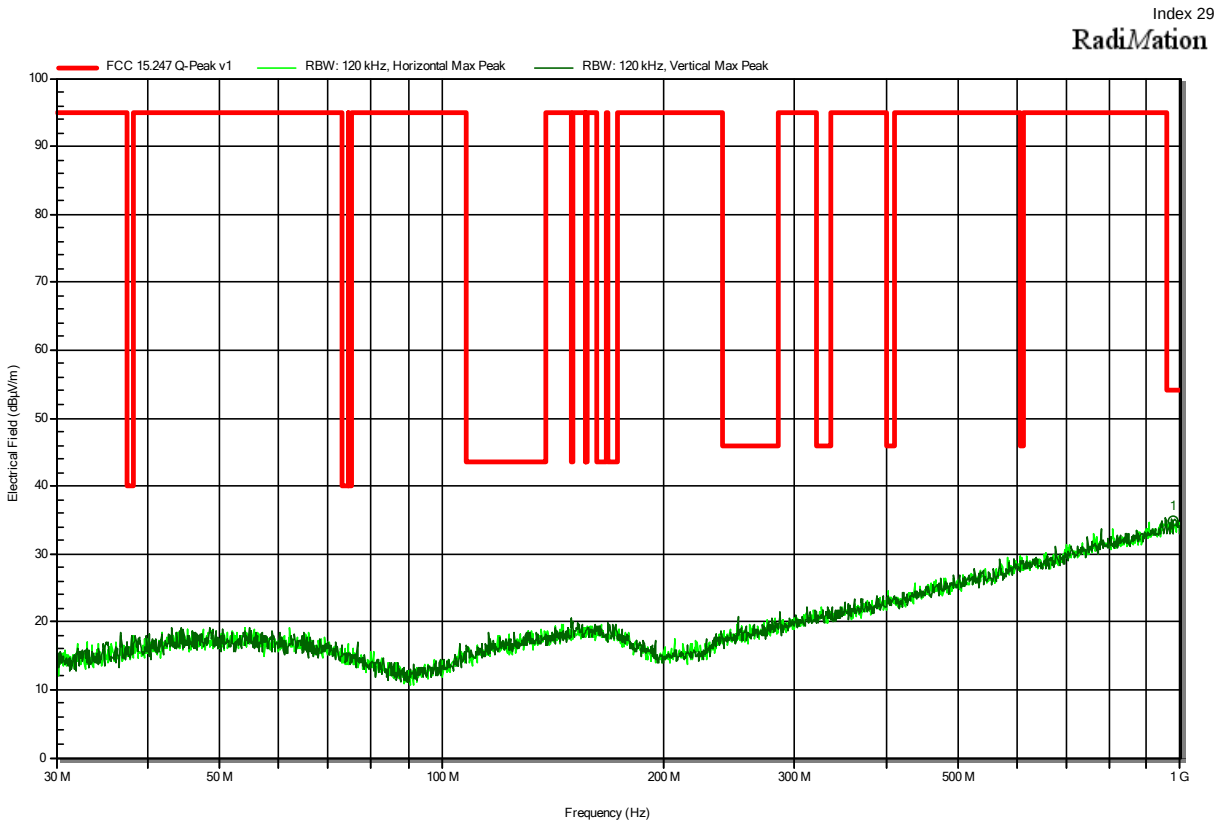


Test setup above 1GHz - C

ANNEX A Transmitter spurious emissions

Radiated Spurious Emissions according to FCC 15.247

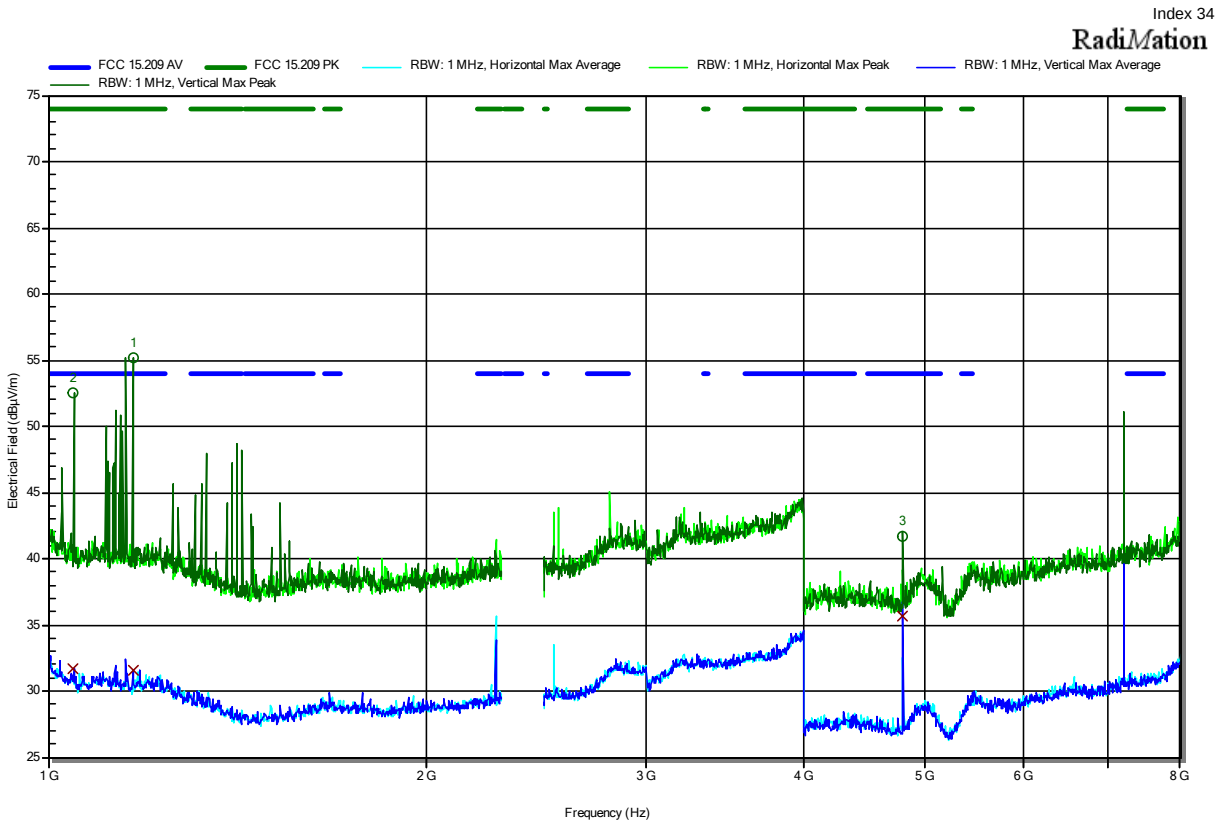
Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Schwarzbeck VULB 9168
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2402 MHz, GFSK, Phy LE 1Mbps, 193 byte
Test Date:	2024-05-29



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
978.8217 MHz	35 dBµV/m	54 dBµV/m	-19.05 dB	Pass	Vertical

Radiated Spurious Emissions according to FCC 15.247

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Schwarzbeck BBHA 9120B
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2402 MHz, GFSK, Phy LE 1Mbps, 193 byte
Test Date:	2024-05-30



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
1.0478 GHz	52.51 dBµV/m	74 dBµV/m	-21.49 dB	Pass	Vertical
1.1677 GHz	55.24 dBµV/m	74 dBµV/m	-18.76 dB	Pass	Vertical
4.8037 GHz	41.72 dBµV/m	74 dBµV/m	-32.28 dB	Pass	Vertical

Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
1.0478 GHz	31.73 dBµV/m	54 dBµV/m	-22.27 dB	Pass	Vertical
1.1677 GHz	31.51 dBµV/m	54 dBµV/m	-22.49 dB	Pass	Vertical
4.8037 GHz	35.66 dBµV/m	54 dBµV/m	-18.34 dB	Pass	Vertical

Radiated Spurious Emissions according to FCC 15.247

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Schwarzbeck BBHA 9120B
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2402 MHz, GFSK, Phy LE 1Mbps, 193 byte
Test Date:	2024-05-30
Note:	lower bandedge

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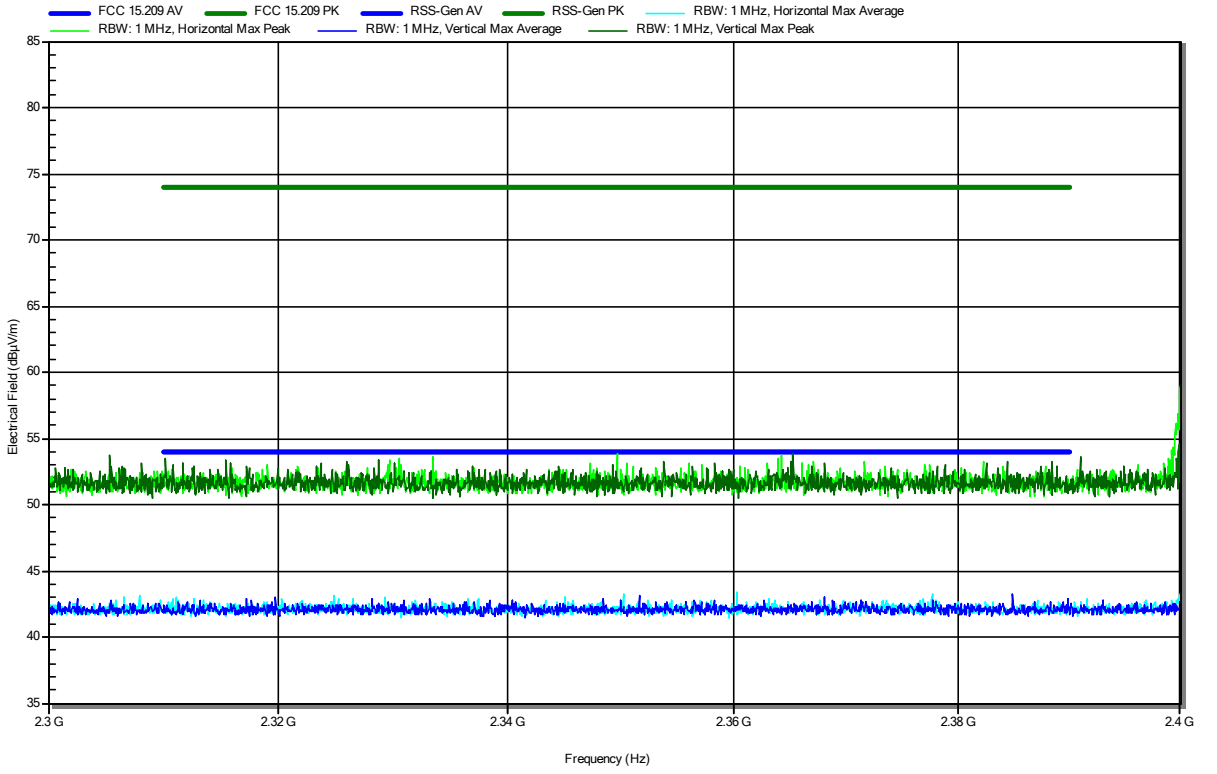
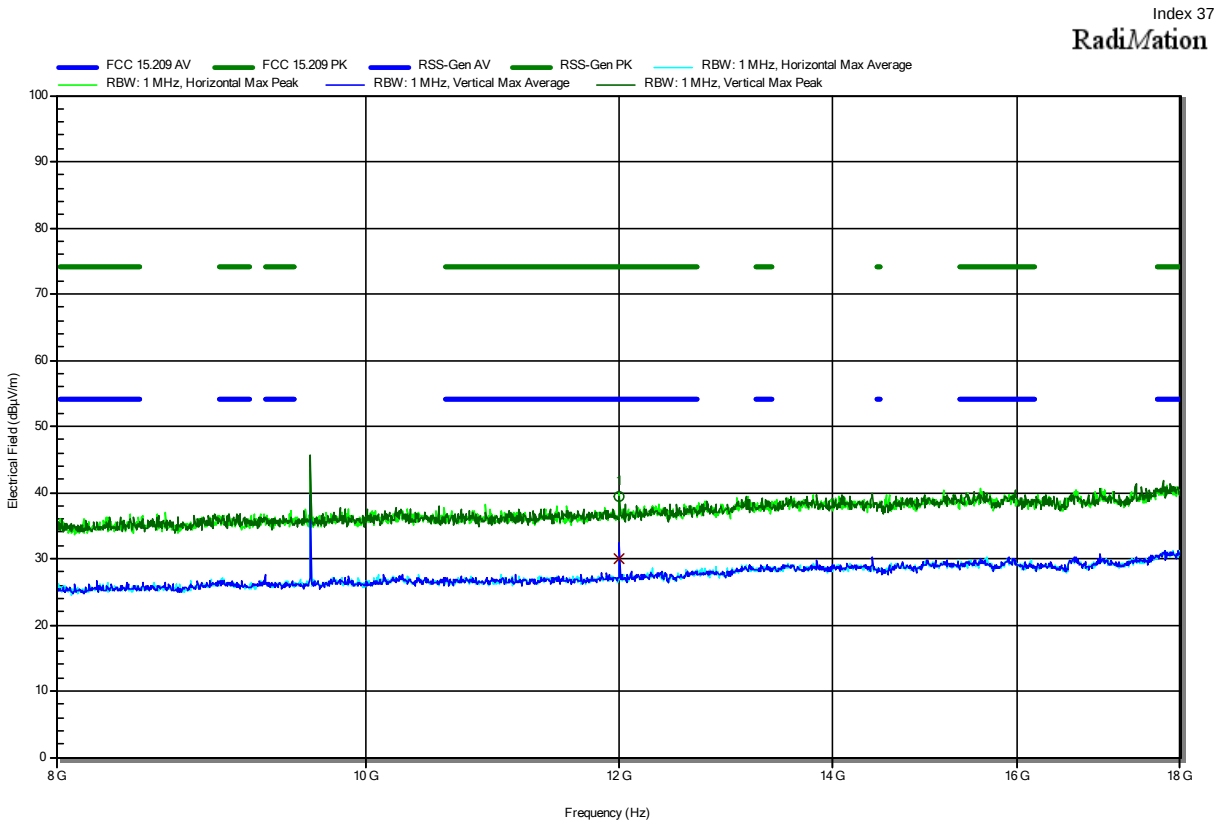
RadiMation



Radiated Spurious Emissions according to FCC 15.247

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Schwarzbeck HWRD 650
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2402 MHz, GFSK, Phy LE 1Mbps, 193 byte
Test Date:	2024-05-30

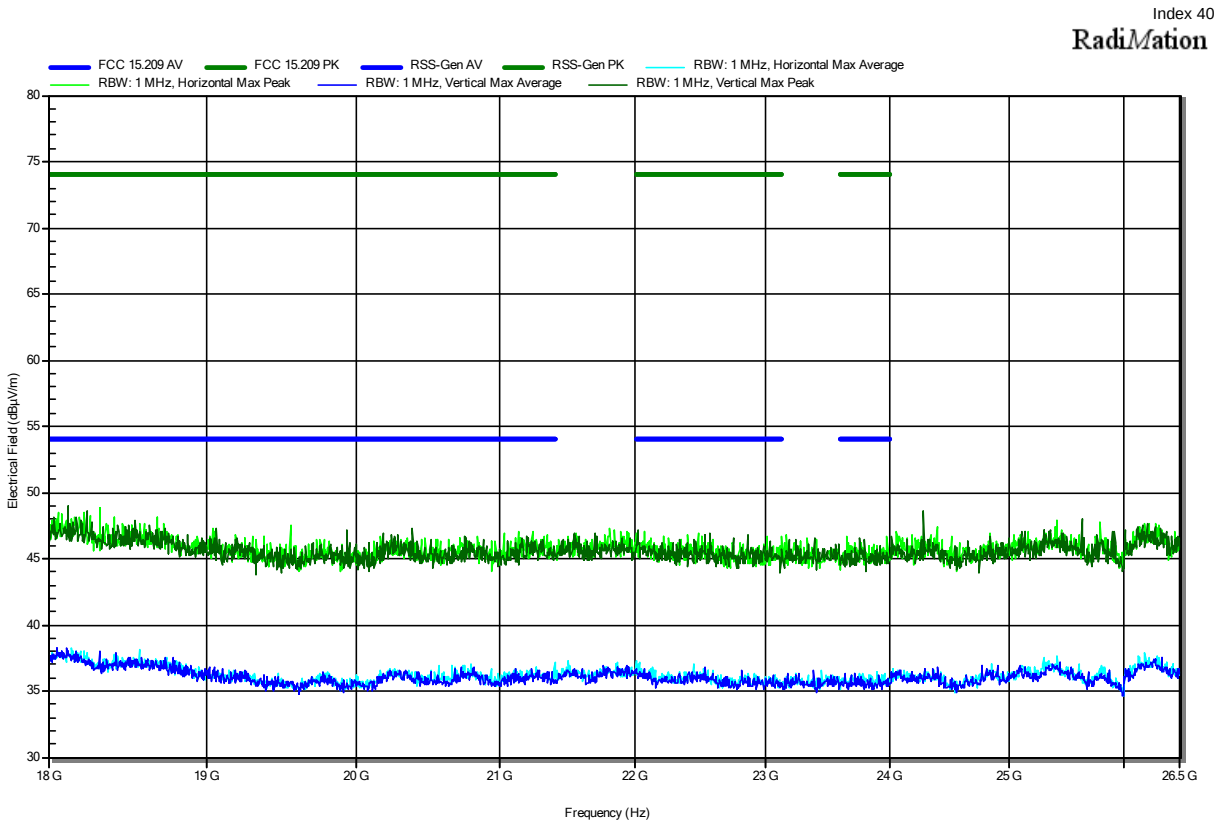


Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
12.009 GHz	39.47 dBµV/m	74 dBµV/m	-34.53 dB	Pass	Vertical

Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
12.009 GHz	30.1 dBµV/m	54 dBµV/m	-23.9 dB	Pass	Vertical

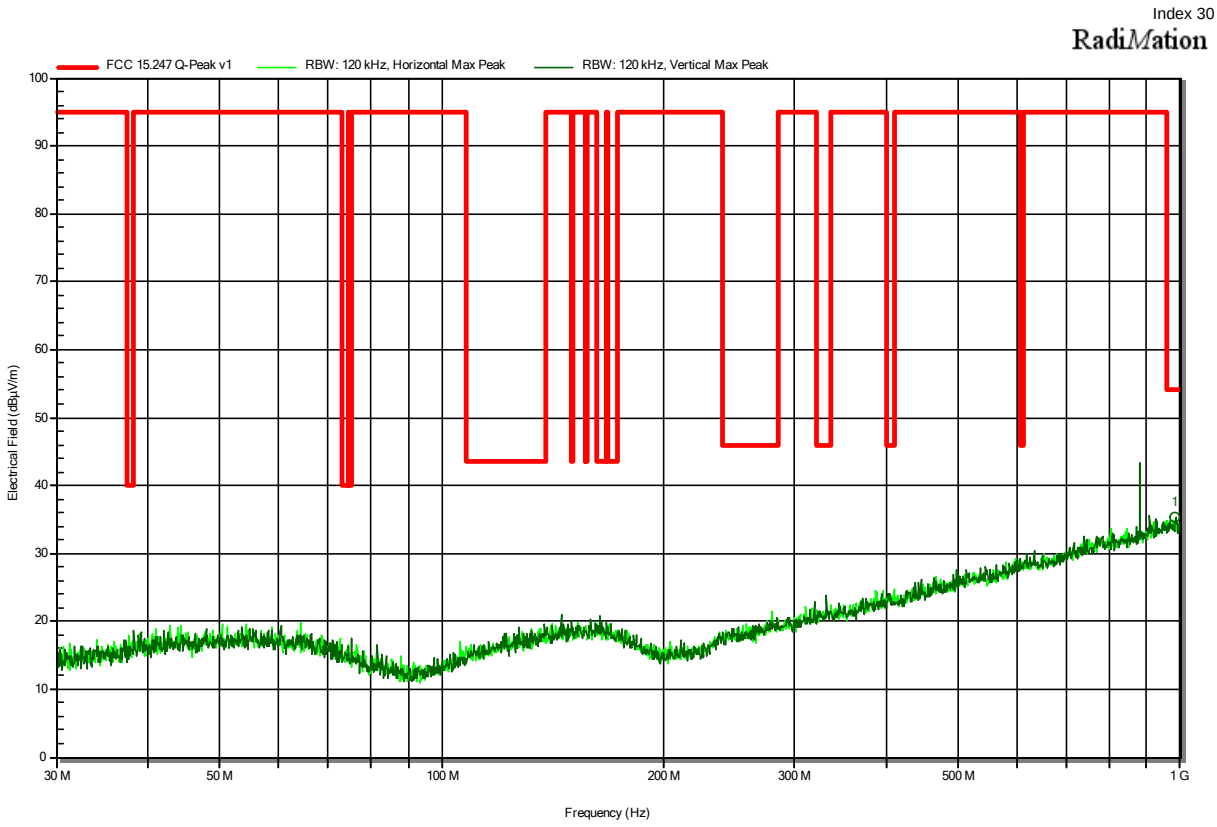
Radiated Spurious Emissions according to FCC 15.247

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Amplifier Research AT4560
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2402 MHz, GFSK, Phy LE 1Mbps, 193 byte
Test Date:	2024-05-30



Radiated Spurious Emissions according to FCC 15.247

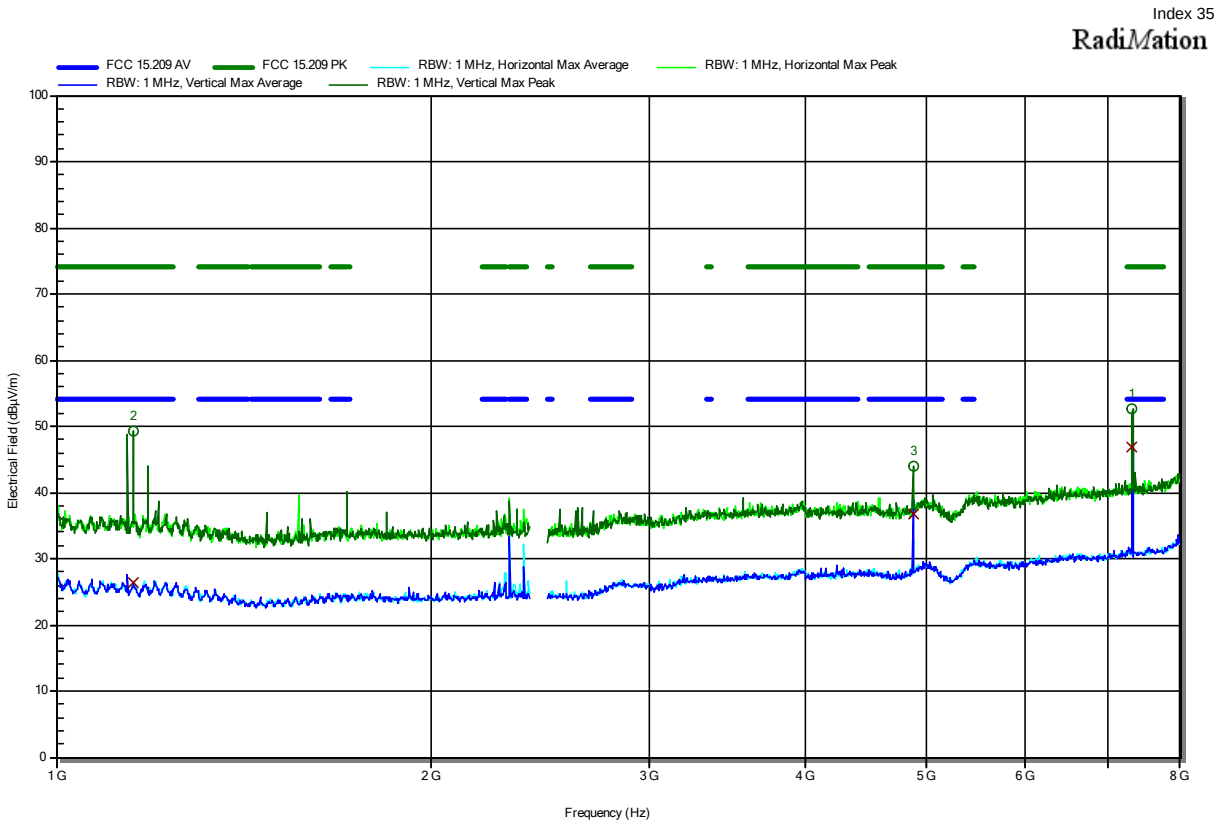
Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Schwarzbeck VULB 9168
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2440 MHz, GFSK, Phy LE 1Mbps, 193 byte
Test Date:	2024-05-29



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
984.286 MHz	35.3 dBµV/m	54 dBµV/m	-18.69 dB	Pass	Vertical

Radiated Spurious Emissions according to FCC 15.247

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Schwarzbeck BBHA 9120B
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2440 MHz, GFSK, Phy LE 1Mbps, 193 byte
Test Date:	2024-05-30

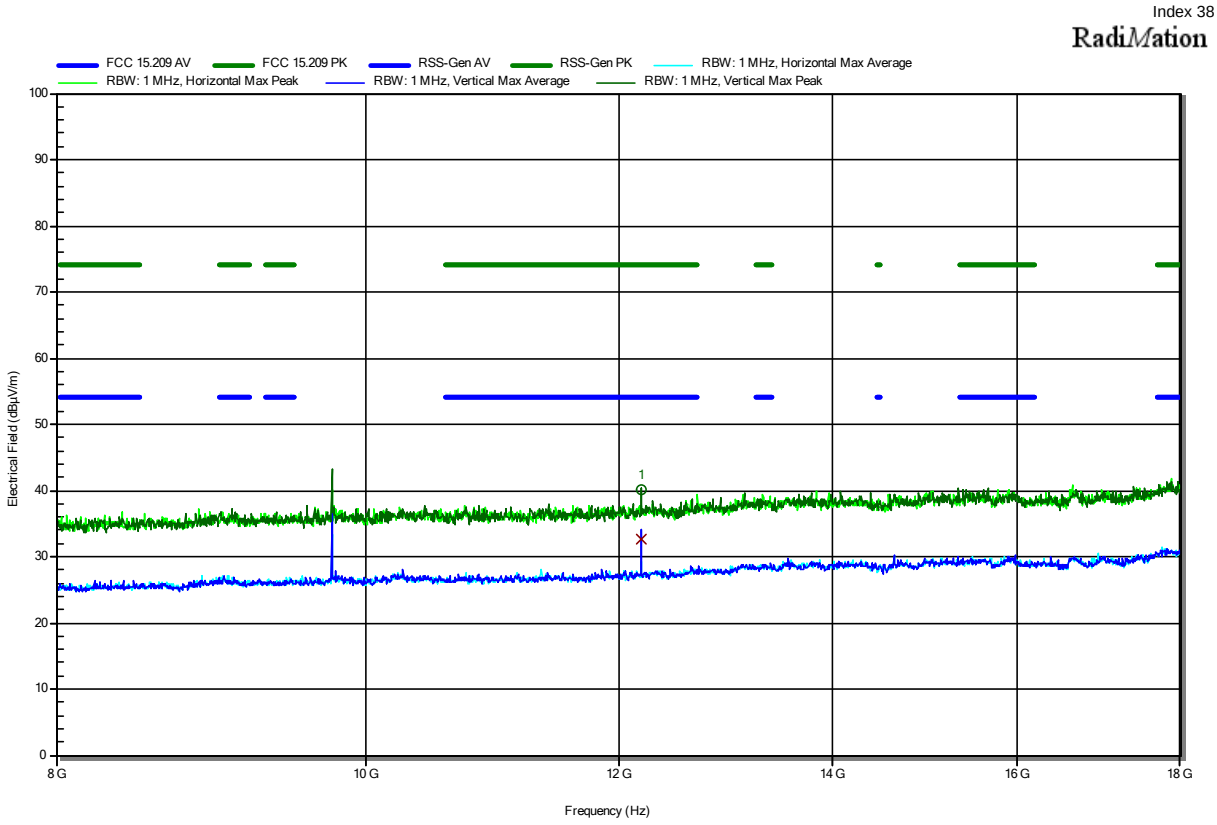


Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
1.1533 GHz	49.21 dBµV/m	74 dBµV/m	-24.79 dB	Pass	Vertical
4.8796 GHz	44.02 dBµV/m	74 dBµV/m	-29.98 dB	Pass	Vertical
7.3207 GHz	52.61 dBµV/m	74 dBµV/m	-21.39 dB	Pass	Vertical

Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
1.1533 GHz	26.49 dBµV/m	54 dBµV/m	-27.51 dB	Pass	Vertical
4.8796 GHz	36.71 dBµV/m	54 dBµV/m	-17.29 dB	Pass	Vertical
7.3207 GHz	46.86 dBµV/m	54 dBµV/m	-7.14 dB	Pass	Vertical

Radiated Spurious Emissions according to FCC 15.247

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Schwarzbeck HWRD 650
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2440 MHz, GFSK, Phy LE 1Mbps, 193 byte
Test Date:	2024-05-30

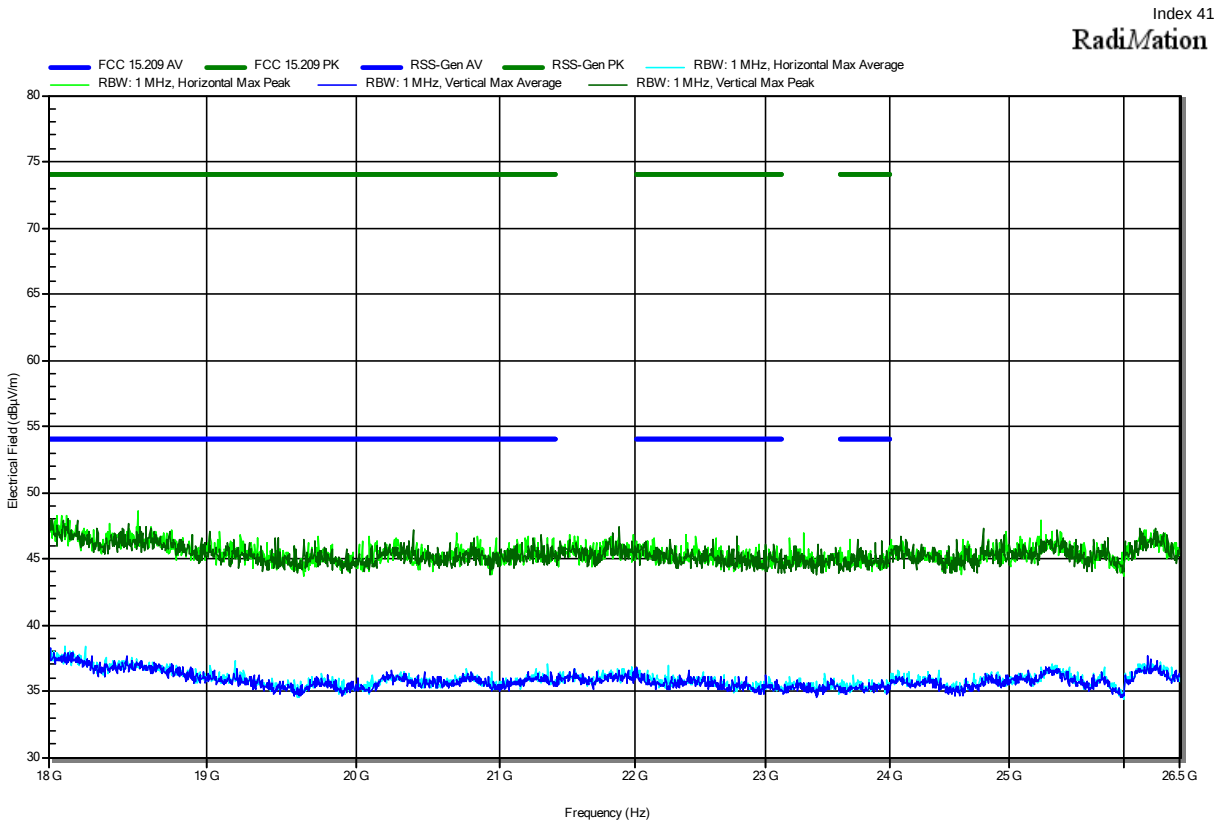


Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
12.201 GHz	40.21 dBµV/m	74 dBµV/m	-33.79 dB	Pass	Vertical

Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
12.201 GHz	32.61 dBµV/m	54 dBµV/m	-21.39 dB	Pass	Vertical

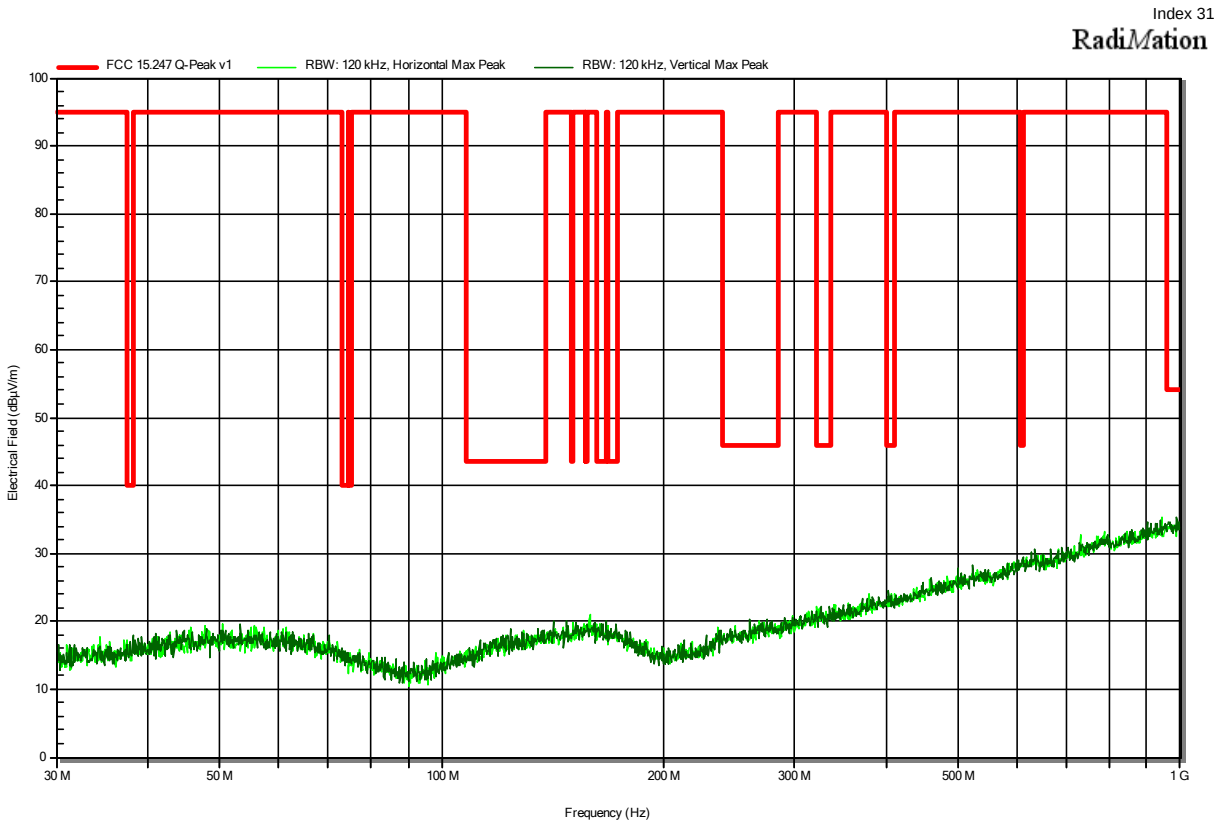
Radiated Spurious Emissions according to FCC 15.247

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Amplifier Research AT4560
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2440 MHz, GFSK, Phy LE 1Mbps, 193 byte
Test Date:	2024-05-30



Radiated Spurious Emissions according to FCC 15.247

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Schwarzbeck VULB 9168
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2480 MHz, GFSK, Phy LE 1Mbps, 193 byte
Test Date:	2024-05-29



Radiated Spurious Emissions according to FCC 15.247

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Schwarzbeck BBHA 9120B
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2480 MHz, GFSK, Phy LE 1Mbps, 193 byte
Test Date:	2024-05-30
Note:	upper bandedge

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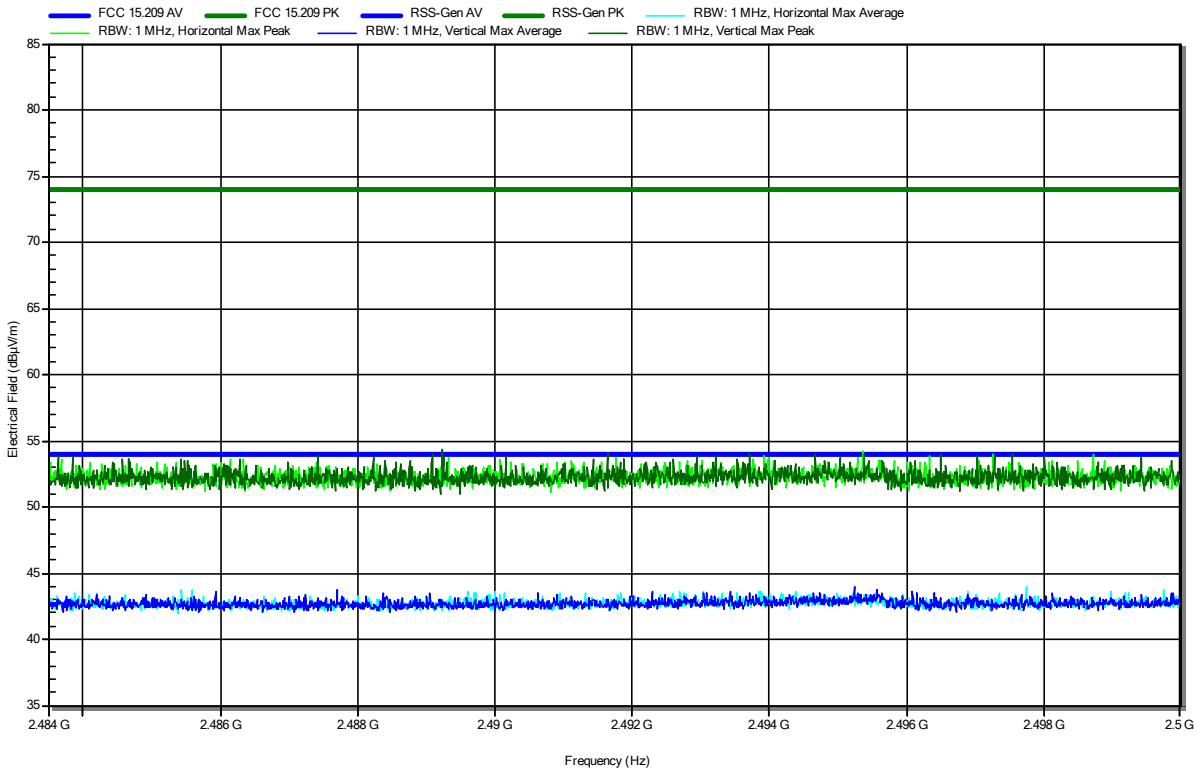
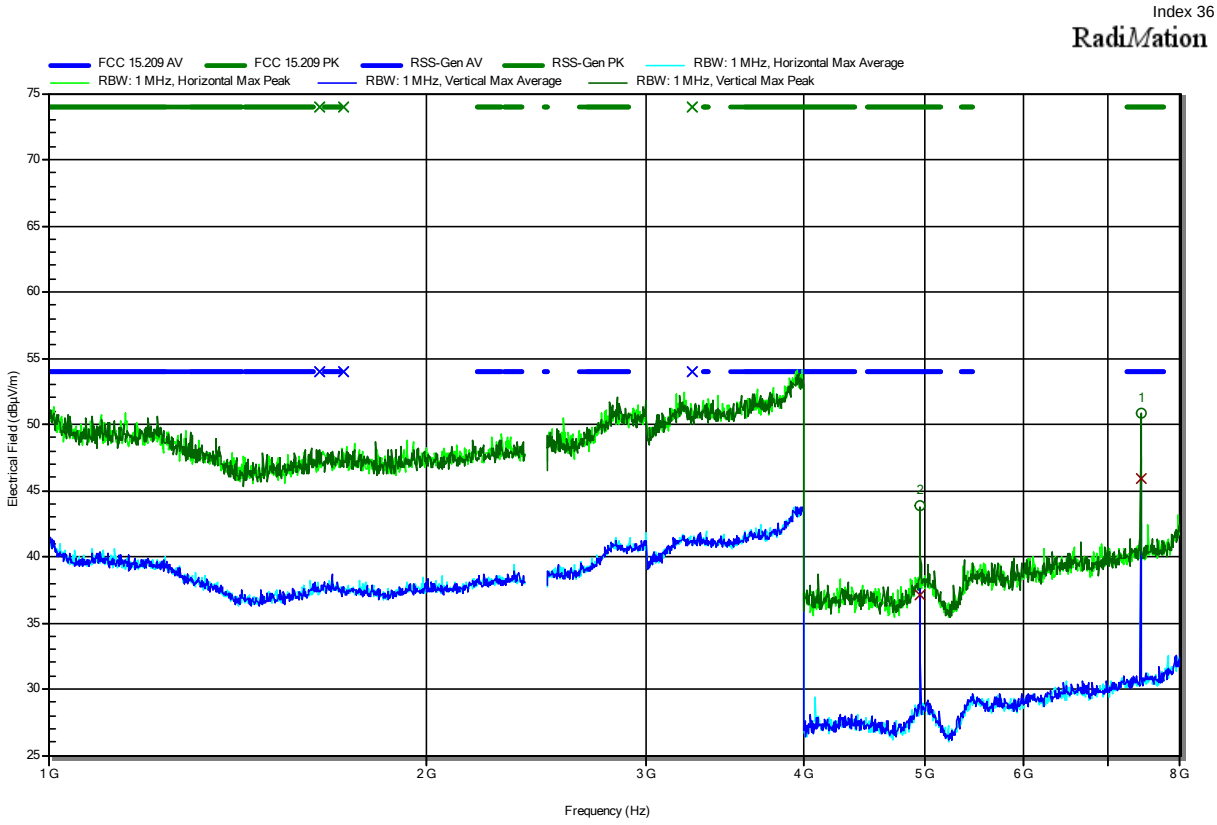
RadiMation



Radiated Spurious Emissions according to FCC 15.247

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Schwarzbeck BBHA 9120B
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2480 MHz, GFSK, Phy LE 1Mbps, 193 byte
Test Date:	2024-05-30

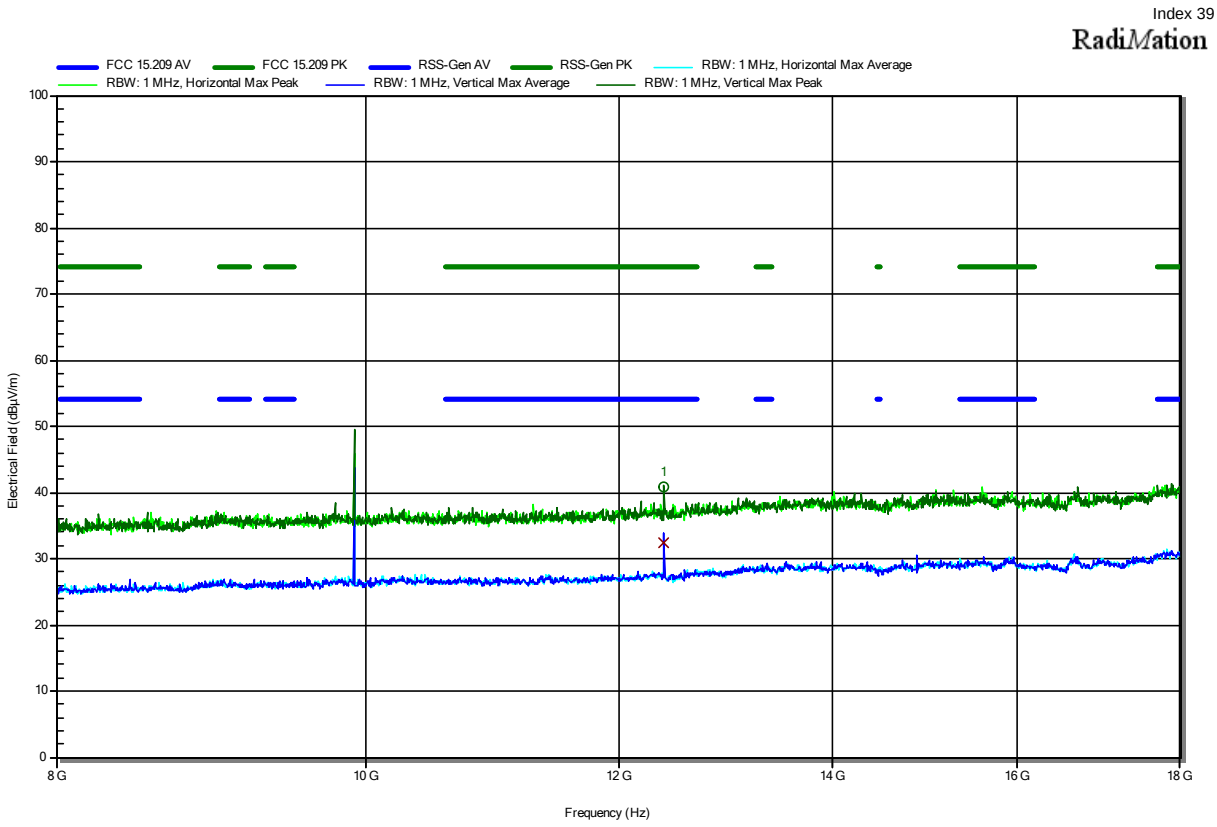


Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
4.959 GHz	43.8 dBµV/m	74 dBµV/m	-30.2 dB	Pass	Vertical
7.439 GHz	50.85 dBµV/m	74 dBµV/m	-23.15 dB	Pass	Vertical

Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
4.959 GHz	37.13 dBµV/m	54 dBµV/m	-16.87 dB	Pass	Vertical
7.439 GHz	45.93 dBµV/m	54 dBµV/m	-8.07 dB	Pass	Vertical

Radiated Spurious Emissions according to FCC 15.247

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Schwarzbeck HWRD 650
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2480 MHz, GFSK, Phy LE 1Mbps, 193 byte
Test Date:	2024-05-30

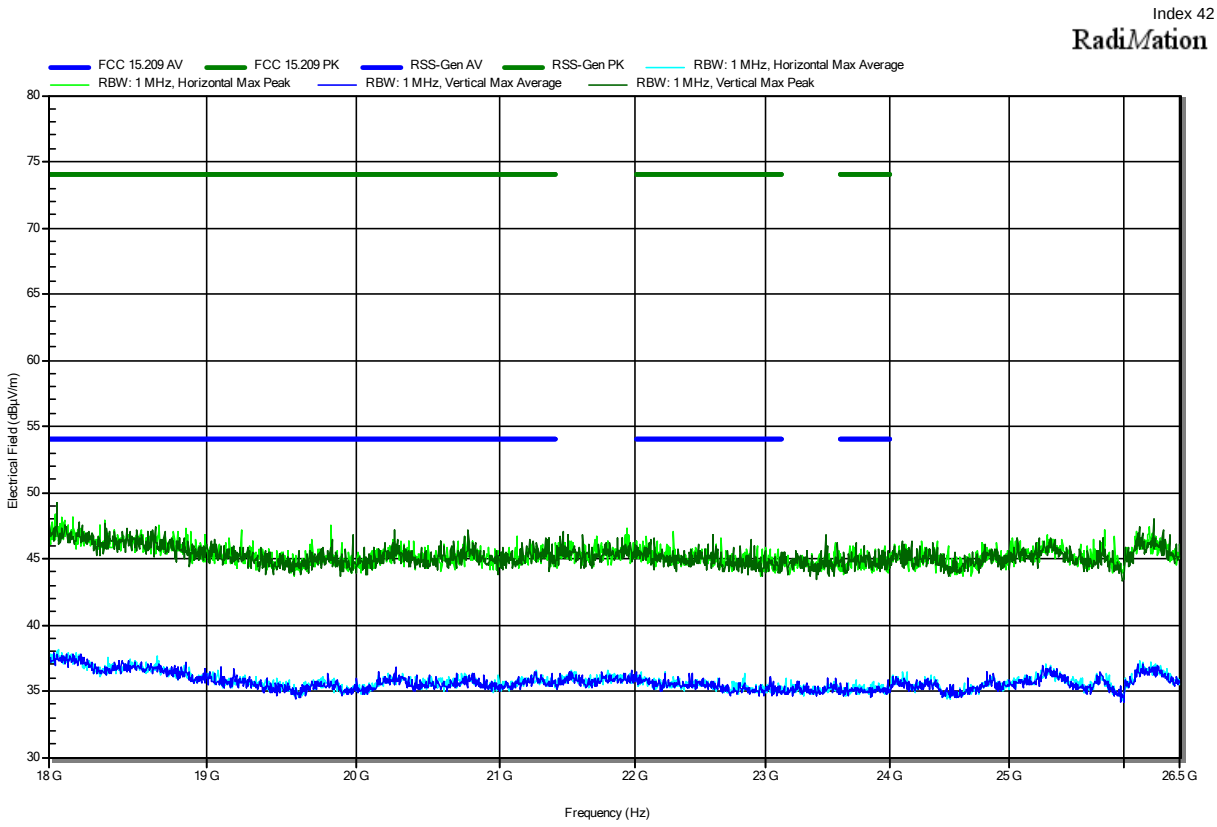


Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
12.401 GHz	40.94 dBµV/m	74 dBµV/m	-33.06 dB	Pass	Vertical

Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
12.401 GHz	32.47 dBµV/m	54 dBµV/m	-21.53 dB	Pass	Vertical

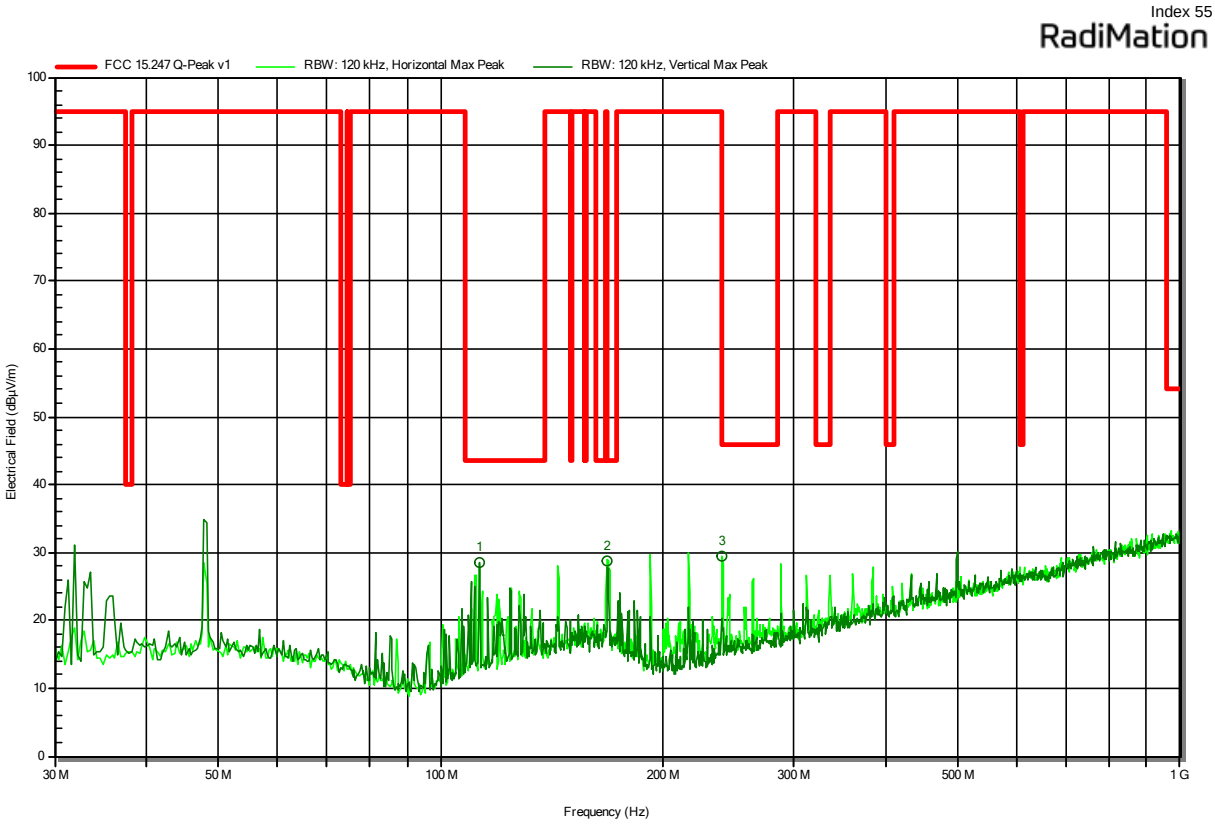
Radiated Spurious Emissions according to FCC 15.247

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Amplifier Research AT4560
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2480 MHz, GFSK, Phy LE 1Mbps, 193 byte
Test Date:	2024-05-30



Radiated Spurious Emissions according to FCC 15.247

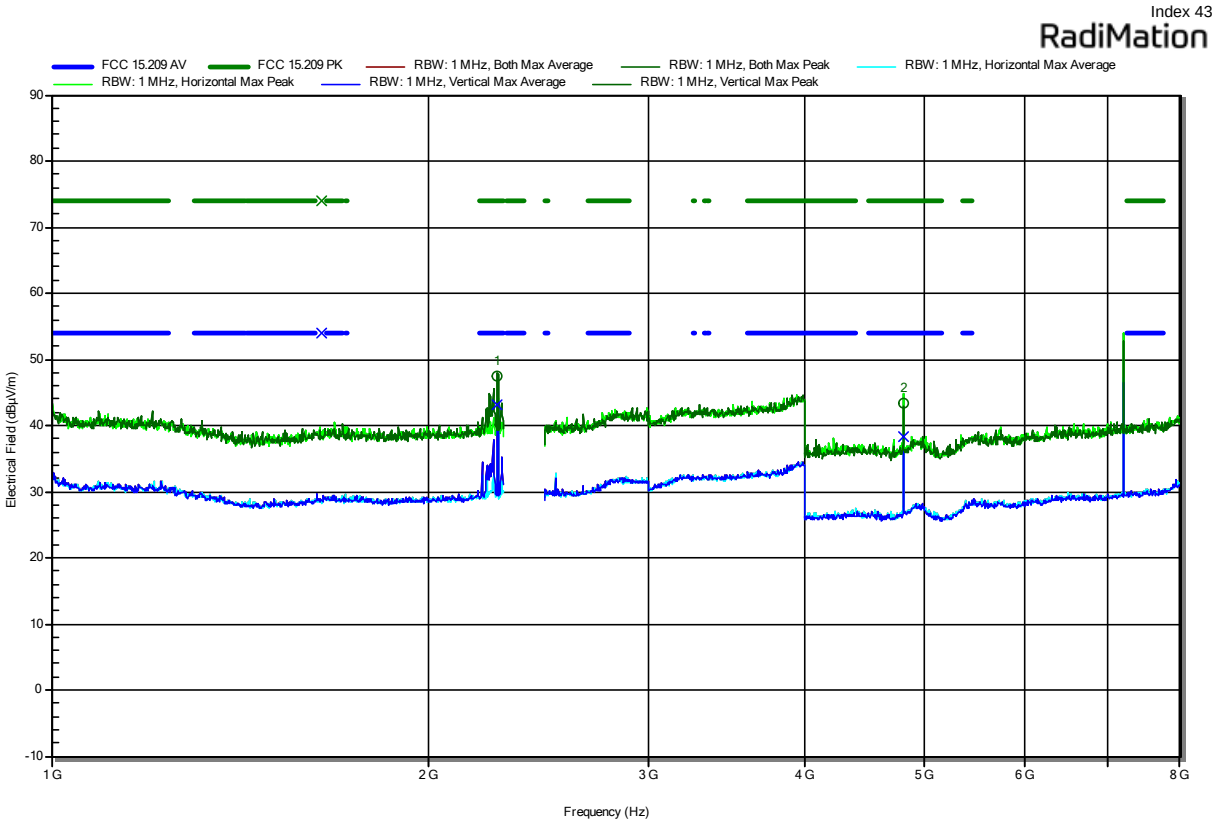
Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2023.2.6
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Schwarzbeck VULB 9168
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2402 MHz, GFSK, Phy LE 2Mbps, 238 byte
Test Date:	2024-08-30



Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak Limit (dBµV/m)	Peak Difference (dB)	Peak Status	Polarization
1	112.7733	28.4	43.5	-15.1	Pass	Vertical
2	168.0633	28.7	43.5	-14.84	Pass	Horizontal
3	239.8433	29.5	95	-65.47	Pass	Horizontal

Radiated Spurious Emissions according to FCC 15.247

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2024.1.3
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Schwarzbeck BBHA 9120B
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2402 MHz, GFSK, Phy LE 2Mbps, 238 byte
Test Date:	2024-08-29

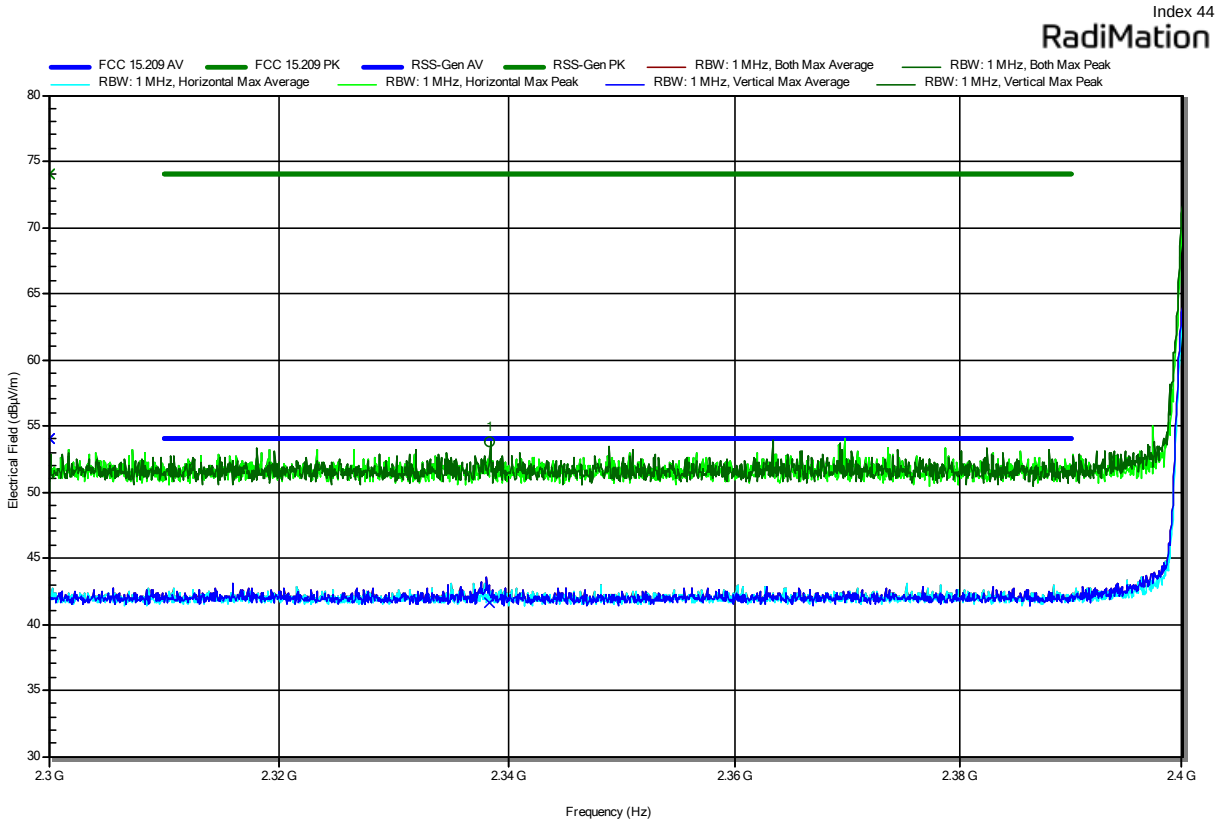


Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak (dBµV/m)	Limit	Peak Difference (dB)	Peak Status	Polarization
1	2273.9133	47.36	74		-26.64	Pass	Vertical
2	4803.2	43.3	74		-30.7	Pass	Horizontal

Peak Number	Frequency (MHz)	Average (dBµV/m)	Average (dBµV/m)	Limit	Average Difference (dB)	Average Status	Polarization
1	2273.9133	43.14	54		-10.86	Pass	Vertical
2	4803.2	38.37	54		-15.63	Pass	Horizontal

Radiated Spurious Emissions according to FCC 15.247

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2024.1.3
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Schwarzbeck BBHA 9120B
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2402 MHz, GFSK, Phy LE 2Mbps, 238 byte
Test Date:	2024-08-29
Note:	lower bandedge

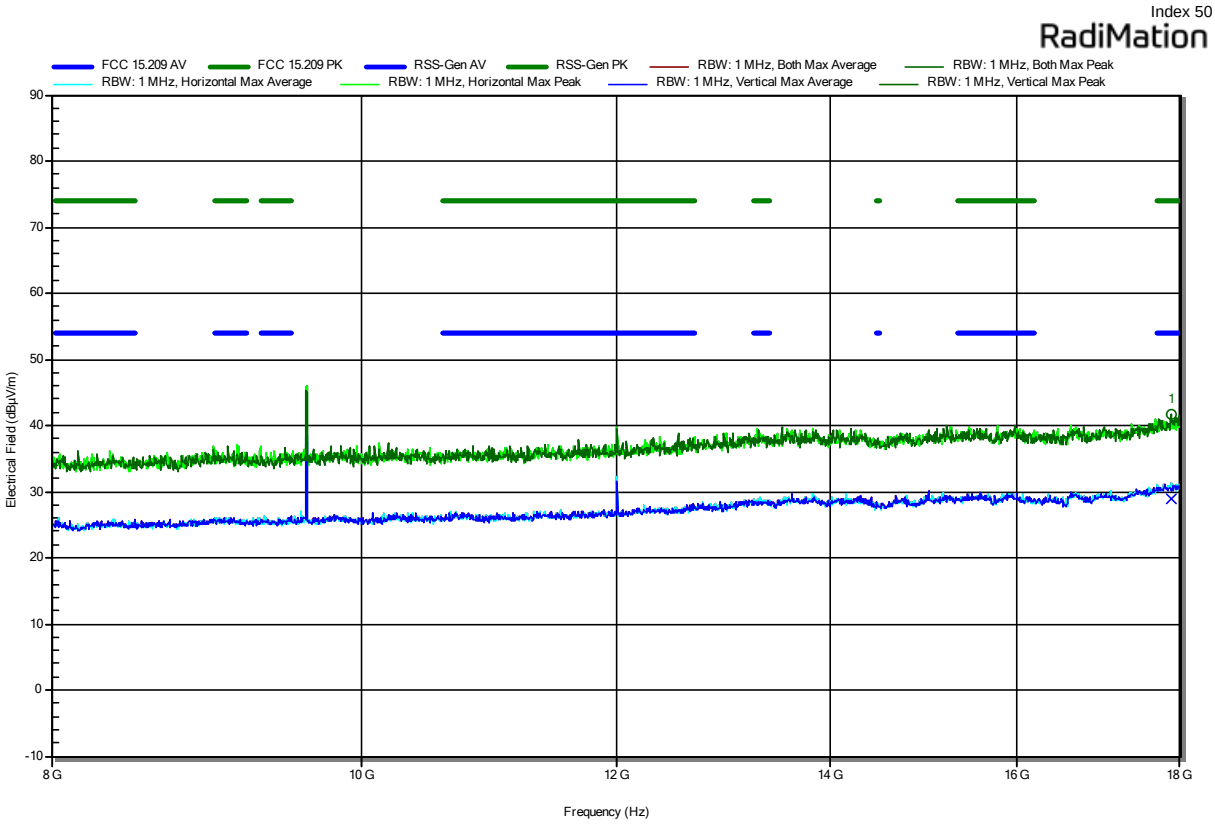


Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak (dBµV/m)	Limit	Peak Difference (dB)	Peak Status	Polarization
1	2338.4367	53.76	74		-20.24	Pass	Vertical

Peak Number	Frequency (MHz)	Average (dBµV/m)	Average (dBµV/m)	Limit	Average Difference (dB)	Average Status	Polarization
1	2338.4367	41.67	54		-12.33	Pass	Vertical

Radiated Spurious Emissions according to FCC 15.247

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2024.1.3
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Schwarzbeck HWRD 650
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2402 MHz, GFSK, Phy LE 2Mbps, 238 byte
Test Date:	2024-08-29

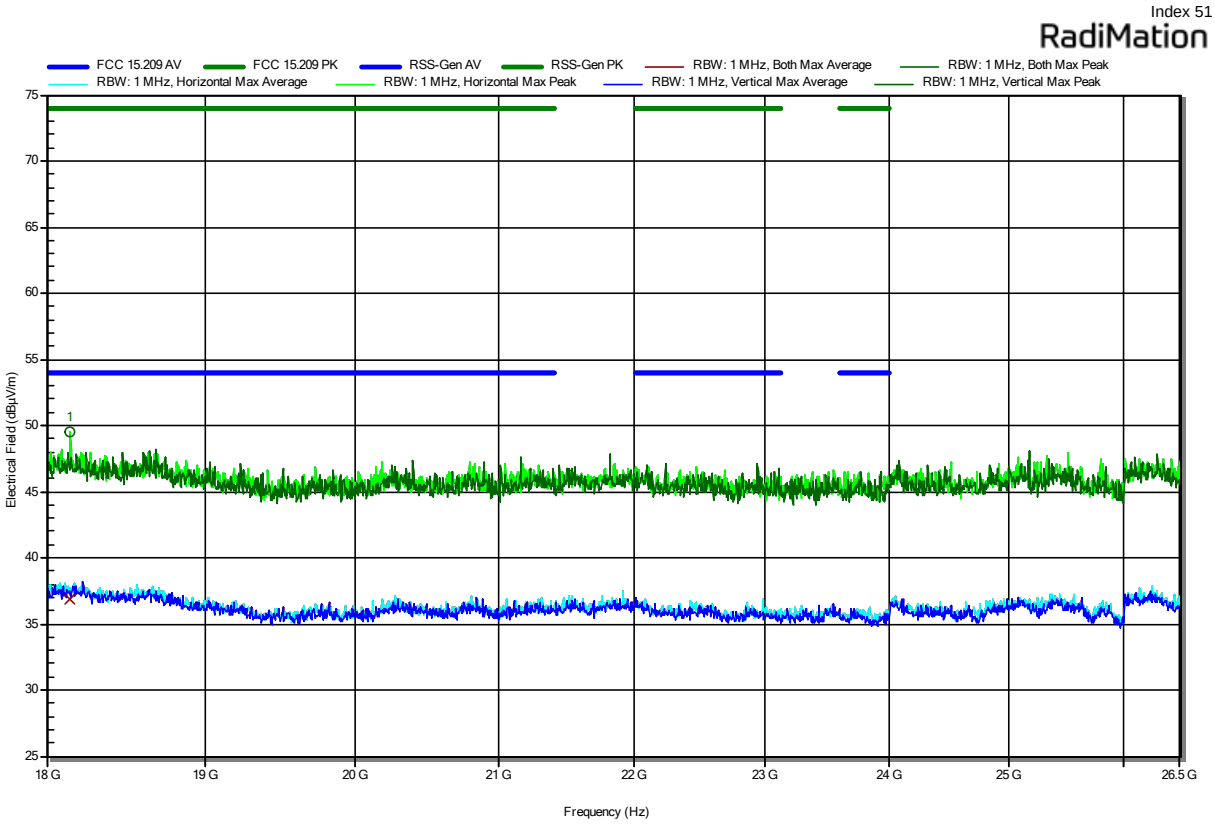


Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak (dBµV/m)	Limit	Peak Difference (dB)	Peak Status	Polarization
1	17877.333	41.6	74		-32.4	Pass	Vertical

Peak Number	Frequency (MHz)	Average (dBµV/m)	Average (dBµV/m)	Limit	Average Difference (dB)	Average Status	Polarization
1	17877.333	28.91	54		-25.09	Pass	Vertical

Radiated Spurious Emissions according to FCC 15.247

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2024.1.3
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Amplifier Research AT4560
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2402 MHz, GFSK, Phy LE 2Mbps, 238 byte
Test Date:	2024-08-29

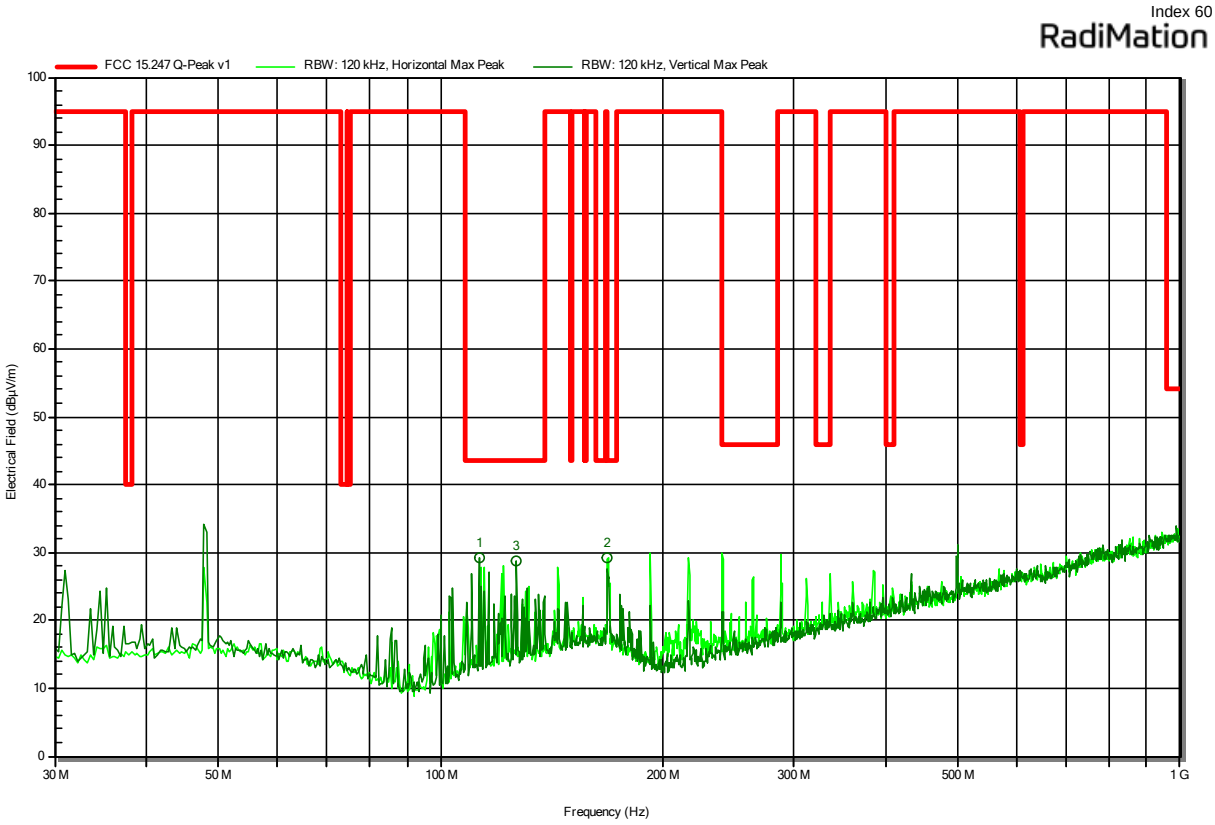


Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak (dBµV/m)	Limit	Peak Difference (dB)	Peak Status	Polarization
1	18144.217	49.53	74		-24.47	Pass	Horizontal

Peak Number	Frequency (MHz)	Average (dBµV/m)	Average (dBµV/m)	Limit	Average Difference (dB)	Average Status	Polarization
1	18144.217	36.88	54		-17.12	Pass	Horizontal

Radiated Spurious Emissions according to FCC 15.247

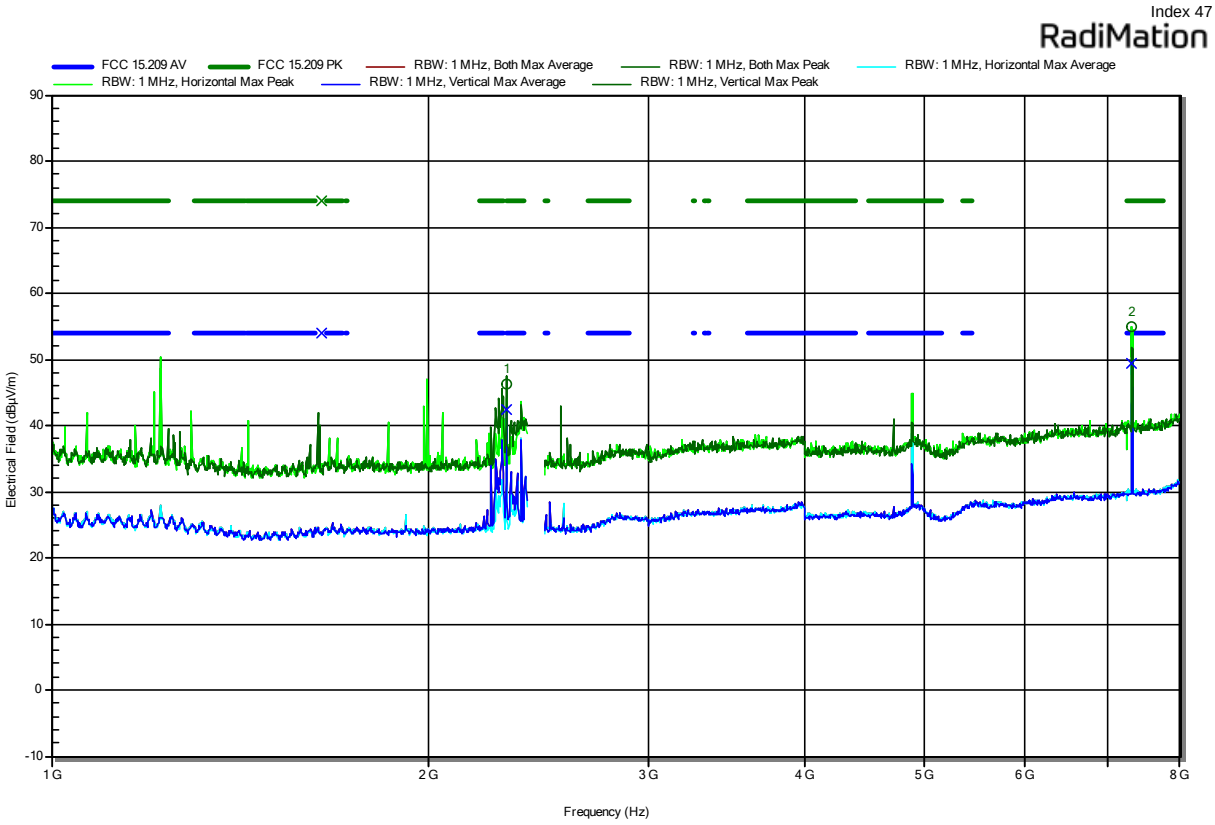
Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2023.2.6
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Schwarzbeck VULB 9168
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2440 MHz, GFSK, Phy LE 2Mbps, 238 byte
Test Date:	2024-08-30



Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak (dBµV/m)	Limit	Peak Difference (dB)	Peak Status	Polarization
1	112.45	29.2	43.5		-14.3	Pass	Vertical
2	168.0633	29.2	43.5		-14.3	Pass	Horizontal
3	126.3533	28.7	43.5		-14.77	Pass	Vertical

Radiated Spurious Emissions according to FCC 15.247

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2024.1.3
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Schwarzbeck BBHA 9120B
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2440 MHz, GFSK, Phy LE 2Mbps, 238 byte
Test Date:	2024-08-29

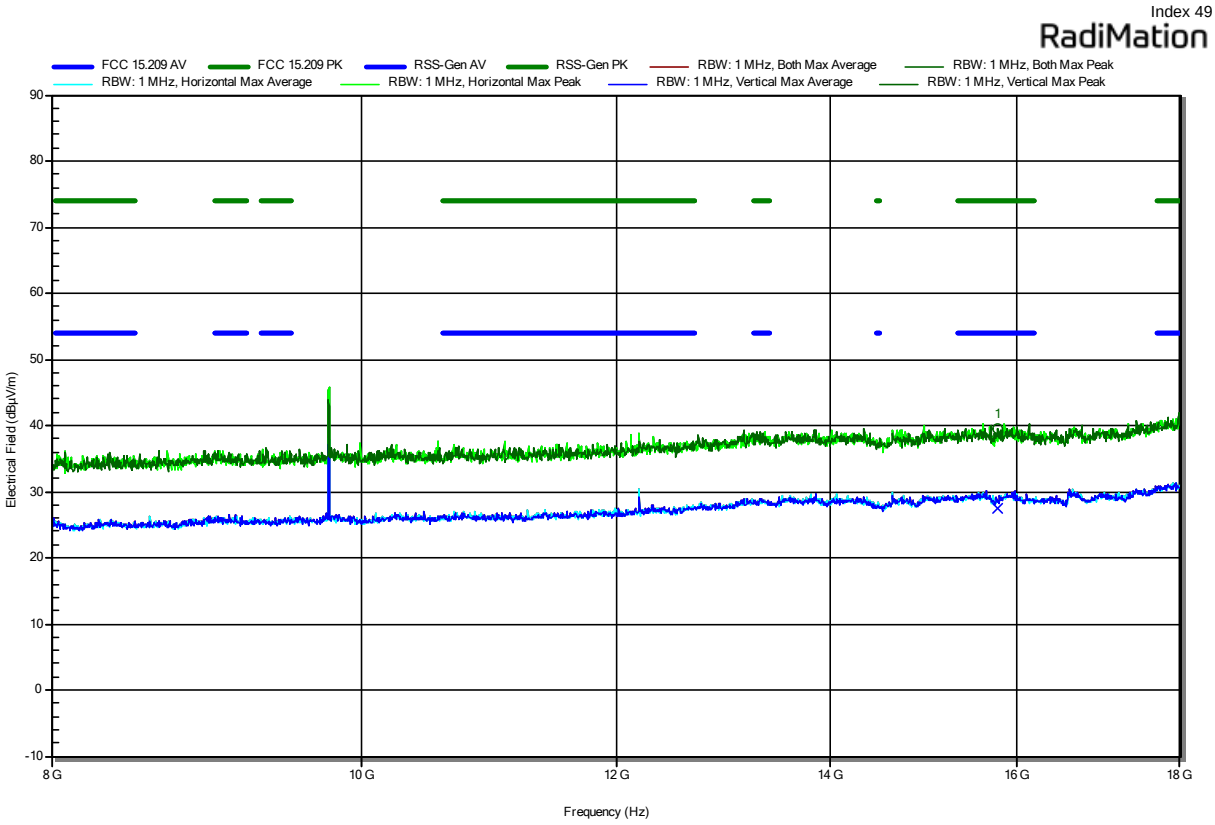


Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak (dBµV/m)	Limit	Peak Difference (dB)	Peak Status	Polarization
1	2312.1733	46.32	74		-27.68	Pass	Vertical
2	7318.5605	54.87	74		-19.13	Pass	Horizontal

Peak Number	Frequency (MHz)	Average (dBµV/m)	Average (dBµV/m)	Limit	Average Difference (dB)	Average Status	Polarization
1	2312.1733	42.39	54		-11.61	Pass	Vertical
2	7318.5605	49.36	54		-4.64	Pass	Horizontal

Radiated Spurious Emissions according to FCC 15.247

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2024.1.3
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Schwarzbeck HWRD 650
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2440 MHz, GFSK, Phy LE 2Mbps, 238 byte
Test Date:	2024-08-29

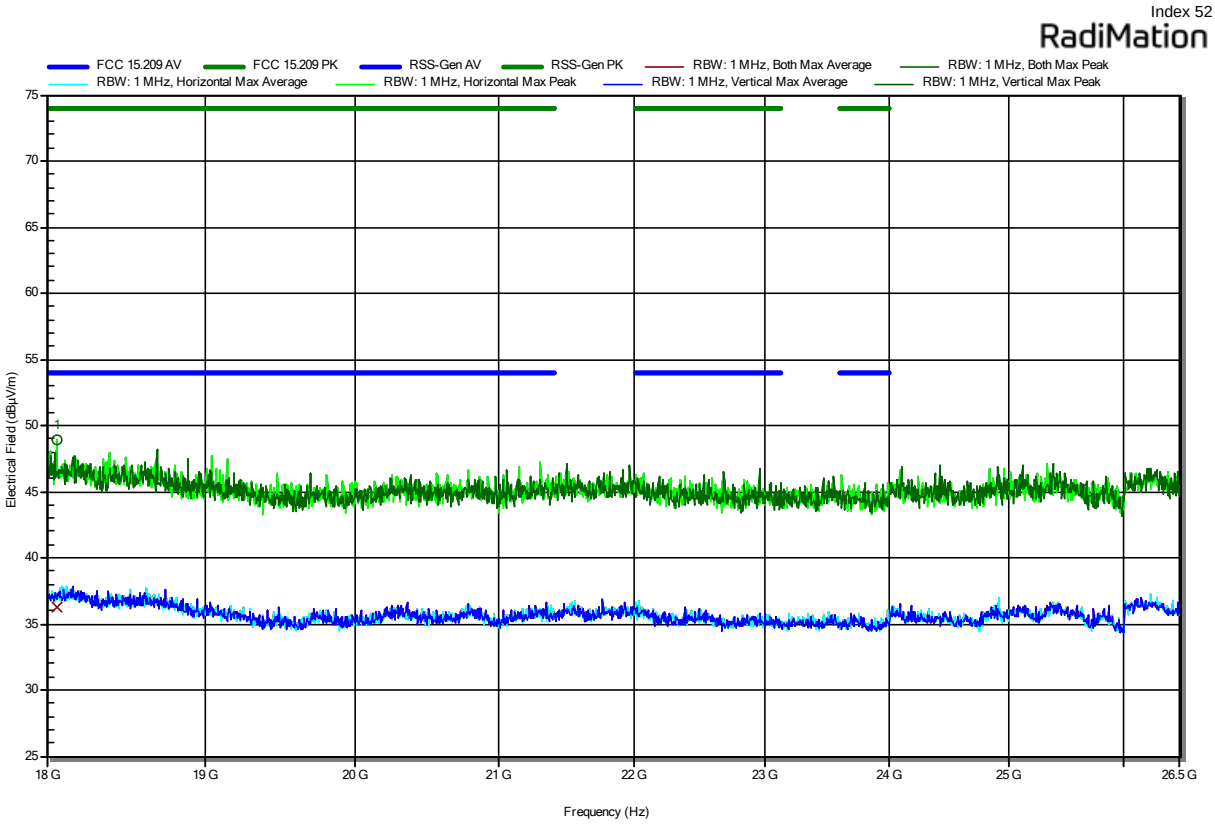


Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak (dBµV/m)	Limit	Peak Difference (dB)	Peak Status	Polarization
1	15796	39.55	74		-34.45	Pass	Vertical

Peak Number	Frequency (MHz)	Average (dBµV/m)	Average (dBµV/m)	Limit	Average Difference (dB)	Average Status	Polarization
1	15796	27.5	54		-26.5	Pass	Vertical

Radiated Spurious Emissions according to FCC 15.247

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2024.1.3
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Amplifier Research AT4560
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2440 MHz, GFSK, Phy LE 2Mbps, 238 byte
Test Date:	2024-08-29

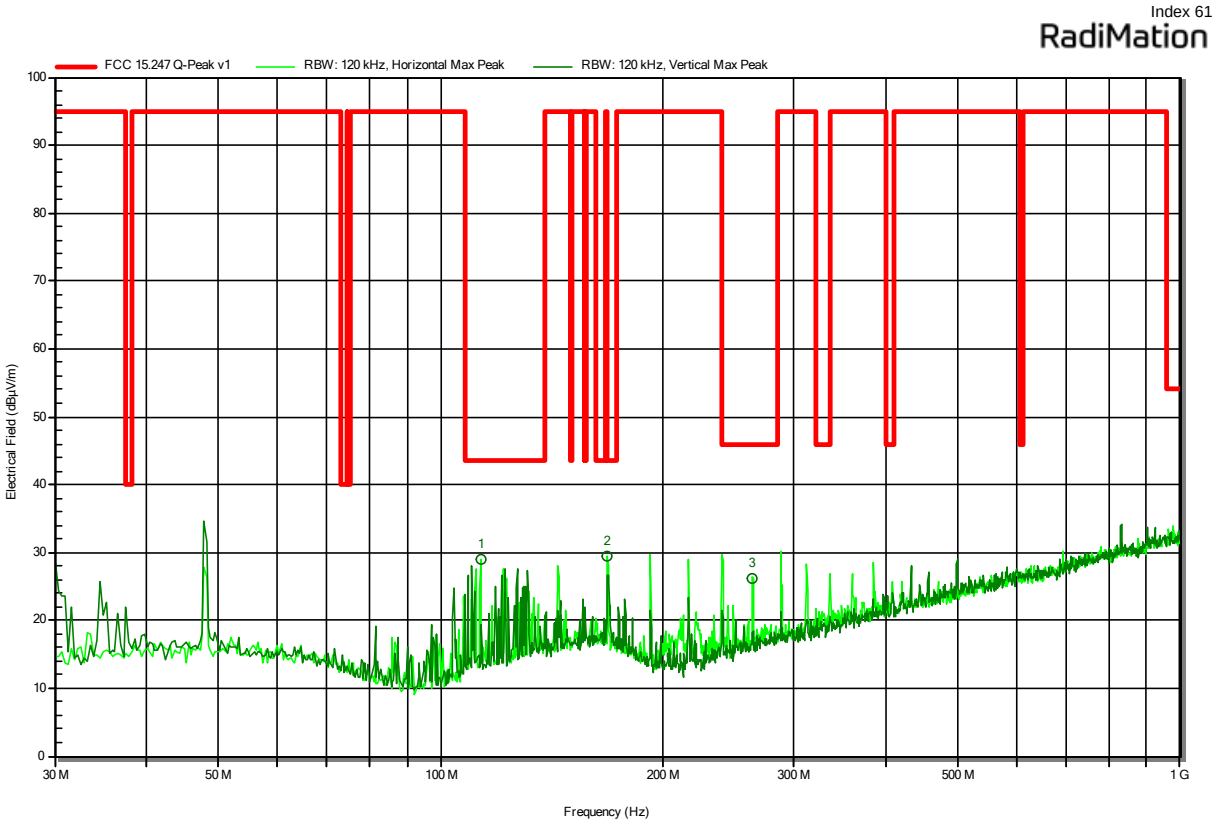


Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak (dBµV/m)	Limit	Peak Difference (dB)	Peak Status	Polarization
1	18059.5	48.93	74		-25.07	Pass	Horizontal

Peak Number	Frequency (MHz)	Average (dBµV/m)	Average (dBµV/m)	Limit	Average Difference (dB)	Average Status	Polarization
1	18059.5	36.26	54		-17.74	Pass	Horizontal

Radiated Spurious Emissions according to FCC 15.247

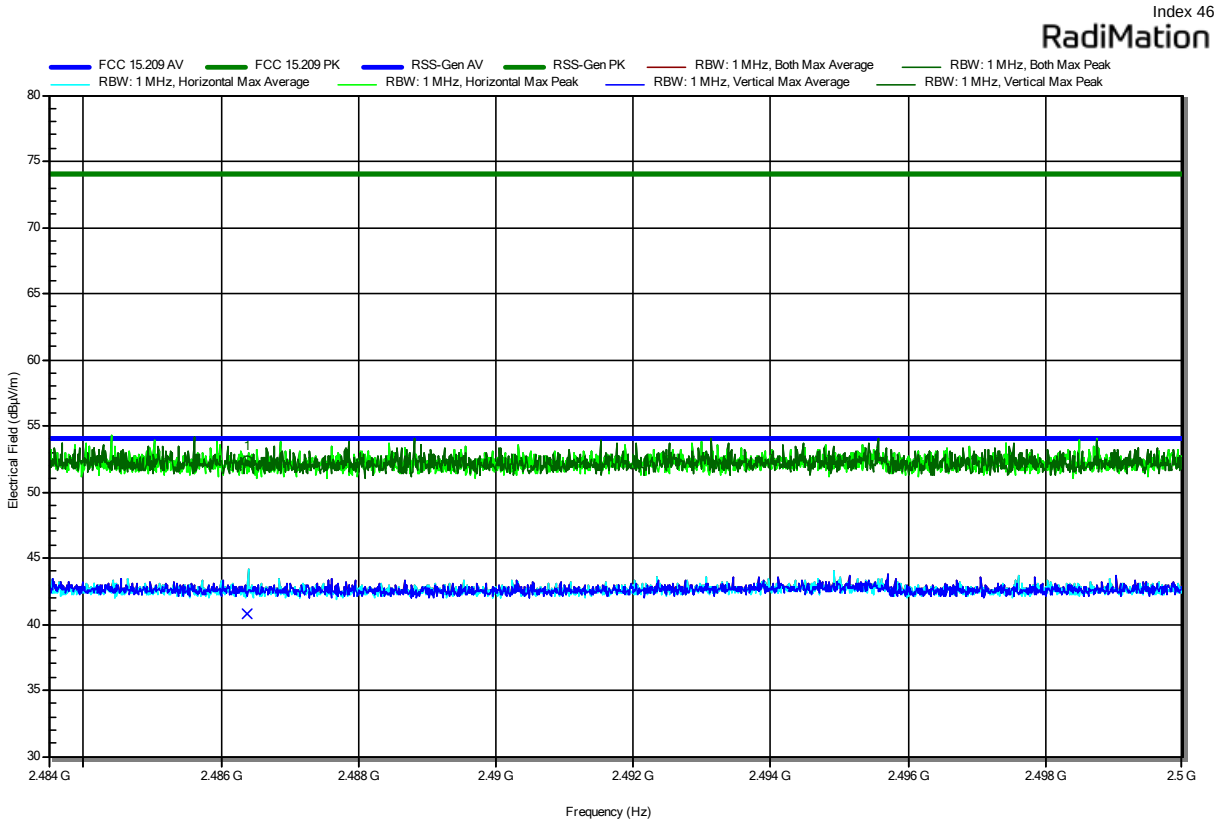
Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2023.2.6
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Schwarzbeck VULB 9168
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2480 MHz, GFSK, Phy LE 2Mbps, 238 byte
Test Date:	2024-08-30



Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak Limit (dBµV/m)	Peak Difference (dB)	Peak Status	Polarization
1	113.0967	28.9	43.5	-14.6	Pass	Horizontal
2	167.74	29.6	43.5	-13.94	Pass	Horizontal
3	264.0933	26.2	46	-19.77	Pass	Horizontal

Radiated Spurious Emissions according to FCC 15.247

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2024.1.3
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Schwarzbeck BBHA 9120B
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2480 MHz, GFSK, Phy LE 2Mbps, 238 byte
Test Date:	2024-08-29
Note:	upper bandedge

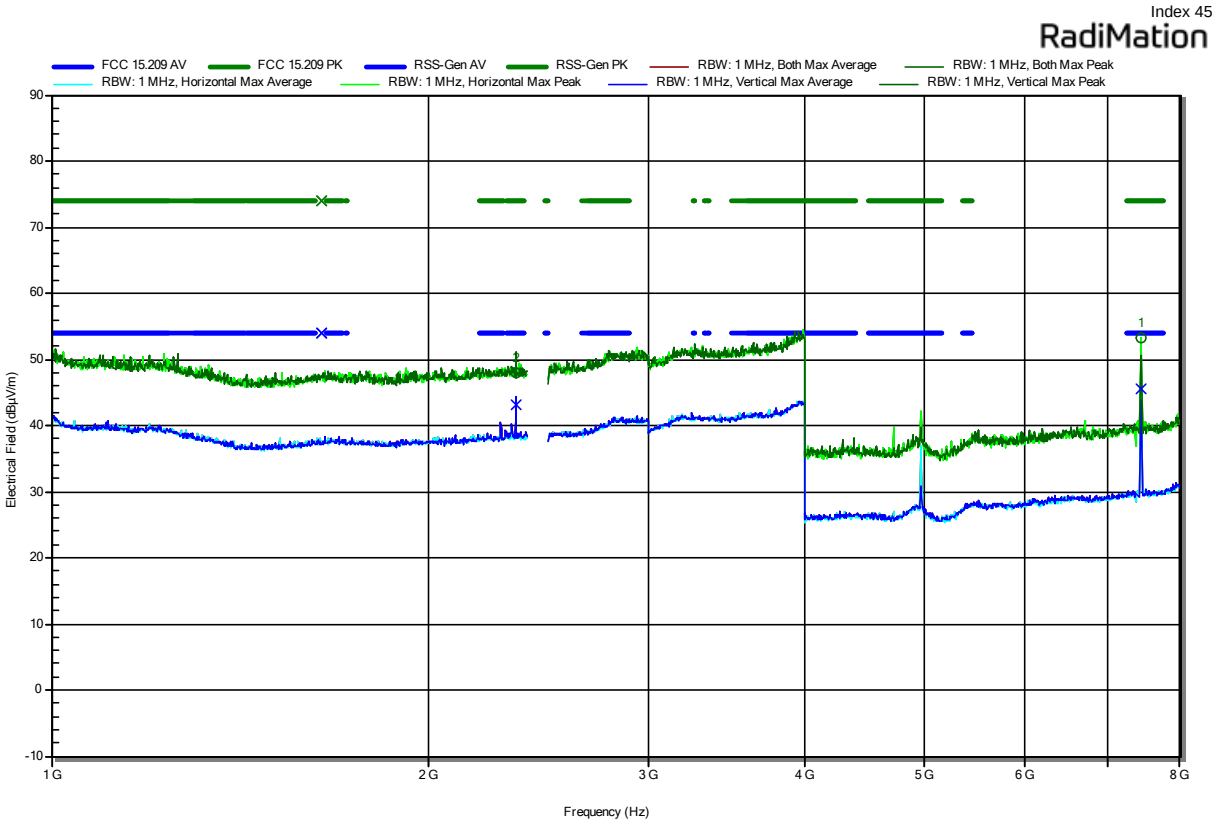


Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak (dBµV/m)	Limit	Peak Difference (dB)	Peak Status	Polarization
1	2486.3749	52.37	74		-21.63	Pass	Vertical

Peak Number	Frequency (MHz)	Average (dBµV/m)	Average (dBµV/m)	Limit	Average Difference (dB)	Average Status	Polarization
1	2486.3749	40.76	54		-13.24	Pass	Vertical

Radiated Spurious Emissions according to FCC 15.247

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2024.1.3
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Schwarzbeck BBHA 9120B
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2480 MHz, GFSK, Phy LE 2Mbps, 238 byte
Test Date:	2024-08-29

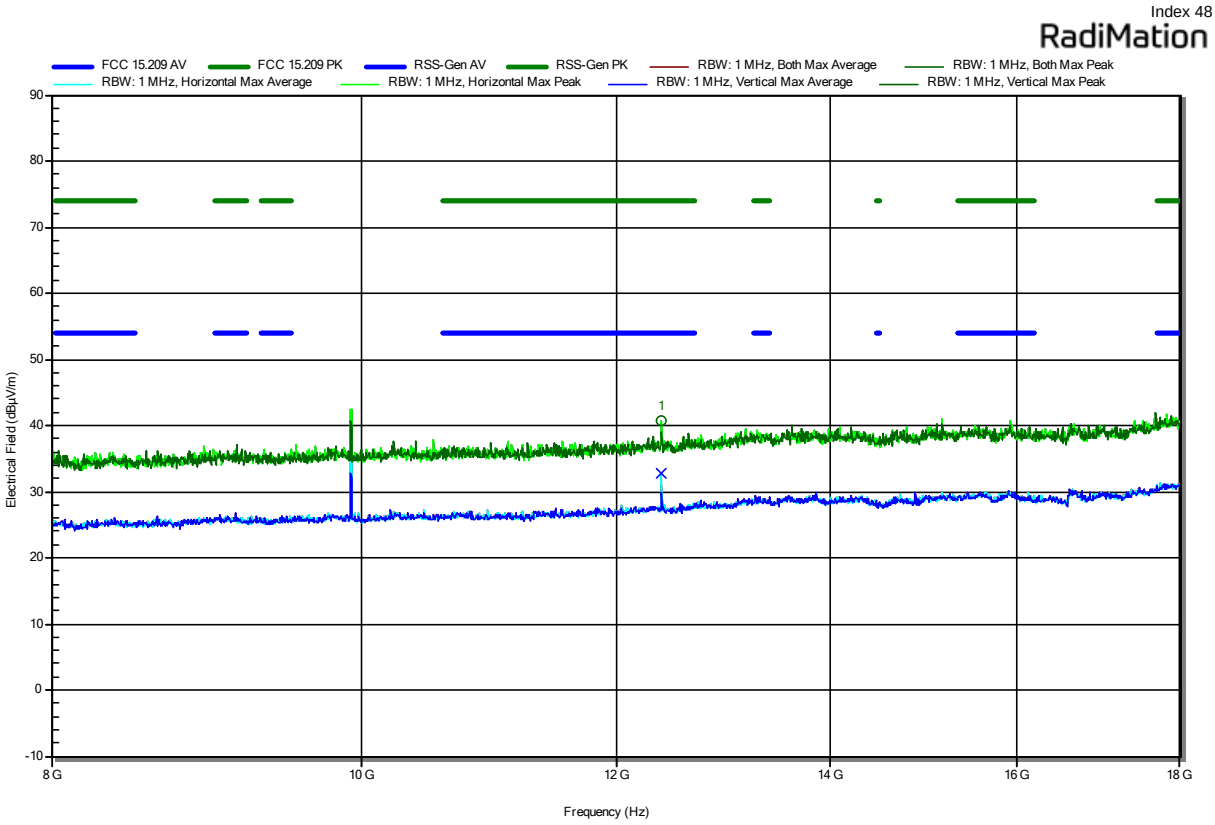


Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak (dBµV/m)	Limit	Peak Difference (dB)	Peak Status	Polarization
1	7441.387	53.37	74		-20.63	Pass	Horizontal
2	2351.933	47.97	74		-26.03	Pass	Vertical

Peak Number	Frequency (MHz)	Average (dBµV/m)	Average (dBµV/m)	Limit	Average Difference (dB)	Average Status	Polarization
1	7441.387	45.49	54		-8.51	Pass	Horizontal
2	2351.933	43.1	54		-10.9	Pass	Vertical

Radiated Spurious Emissions according to FCC 15.247

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2024.1.3
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Schwarzbeck HWRD 650
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2480 MHz, GFSK, Phy LE 2Mbps, 238 byte
Test Date:	2024-08-29

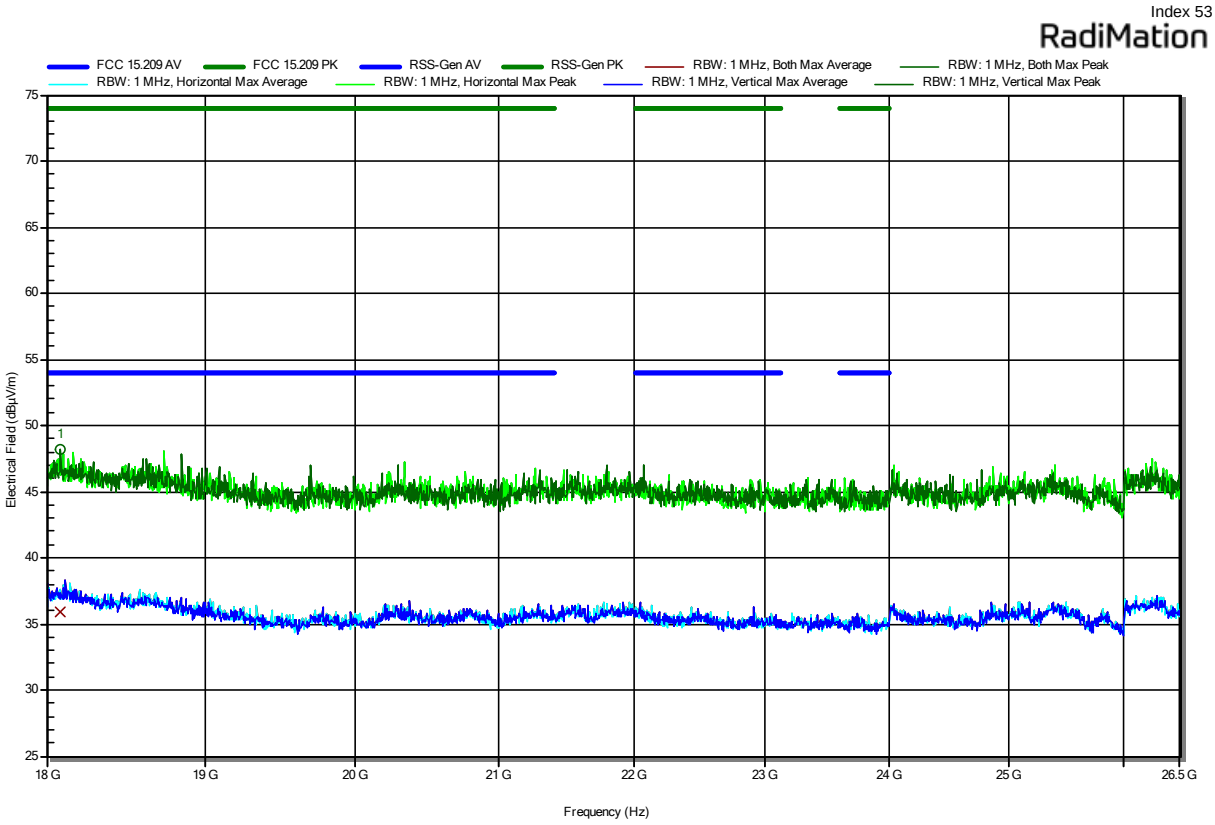


Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak (dBµV/m)	Limit	Peak Difference (dB)	Peak Status	Polarization
1	12397.667	40.7	74		-33.3	Pass	Horizontal

Peak Number	Frequency (MHz)	Average (dBµV/m)	Average (dBµV/m)	Limit	Average Difference (dB)	Average Status	Polarization
1	12397.667	32.68	54		-21.32	Pass	Horizontal

Radiated Spurious Emissions according to FCC 15.247

Project Number:	G0M-2311-2313
Applicant:	Phillips-Medisize A/S
Model Description:	IDA0097 Auto-Injector
Model:	IDA0097 Auto-Injector, Model 02
Test Sample ID:	48528
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Siddique
Measurement software:	RadiMation, version 2024.1.3
Test Conditions:	Tnom: 24 °Celsius, Vnom: 3.7 V DC (With dedicated AC/DC adapter connected)
Antenna:	Amplifier Research AT4560
Measurement distance:	3 m
Mode:	Tx; BT-LE, 2480 MHz, GFSK, Phy LE 2Mbps, 238 byte
Test Date:	2024-08-29



Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak (dBµV/m)	Limit	Peak Difference (dB)	Peak Status	Polarization
1	18087.267	48.15	74		-25.85	Pass	Vertical

Peak Number	Frequency (MHz)	Average (dBµV/m)	Average (dBµV/m)	Limit	Average Difference (dB)	Average Status	Polarization
1	18087.267	35.94	54		-18.06	Pass	Vertical

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