

RADIO REPORT FCC 47 CFR Part 15C Digital transmission systems operating within the 2400.0 MHz - 2483.5 MHz band	
Report Reference No	G0M-2009-9279-TFC247ZB-V01
Testing Laboratory	Eurofins Product Service GmbH
Address	Storkower Str. 38c 15526 Reichenwalde Germany
Accreditation	    DAkkS - Registration number : D-PL-12092-01-03 (ISED) ISED Testing Laboratory site: 3470A DAkkS - Registration number : D-PL-12092-01-04 (FCC) FCC Filed Test Laboratory, Reg.-No.: 96970
Applicant	Dräger Safety AG & Co. KGaA
Address	Revalstraße 1 23560 Lübeck GERMANY
Test Specification	47 CFR Part 15C
Non-Standard Test Method	None
Equipment under Test (EUT):	
Product Description	Fixed Gas Detector
Model(s)	Polytron 6100 EC WL
Additional Model(s)	None
Brand Name(s)	None
Hardware Version(s)	RC002
Software Version(s)	Transmitter: P6100 V1.5.7, Centero FW v02.00.08, Bootloader V2.5.0, SW Telit BLT V3.12.002
FCC ID	X6O-RC002
IC	5895F-RC002
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	2022-06-15	
Report:		
Compiled by	Odai Qawasmeh	
Tested by (+ signature) (Responsible for Test)	Odai Qawasmeh	
Approved by (+ signature) (Test Lab Engineer)	Wilfried Treffke	
Date of Issue	2022-12-12	
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:		

ADDITIONAL VARIANTS

Additional Variants (not tested and not evaluated variants)		
Not-tested Variant	Description	
1	Product Type Description	Polytron Repeater ISA100
	Model name	Polytron Repeater ISA
	Brand name	-
	Hardware Version	RC002
	Software Version	Polytron Repeater V1.5.7, Centero FW v02.00.08, Bootloader V2.5.0, SW Telit BLT V3.12.002
	HVIN	RC002
	PMN	Polytron Repeater ISA
Comment: This named additional variant above has not been tested. This additional variant of the series has been declared by the manufacturer. The test report explicitly states that this variant was neither tested nor assessed nor evaluated.		

Additional Antennas (not tested and not evaluated variants)		
Not-tested Antenna	Description	
1	Type	External
	Model	1399.17.0232
	Manufacturer	Huber+Suhner
	Gain	2 dBi (declared by customer)
2	Type	External
	Model	F9915KW
	Manufacturer	Yokogawa
	Gain	2 dBi (declared by customer)
Comment: Those named additional antennas above have not been tested. Those additional antennas of the series have been declared by the manufacturer. The test report explicitly states that those antennas were neither tested nor assessed nor evaluated.		

VERSION HISTORY

Version History			
Version	Issue Date	Remarks	Revised By
01	2022-12-12	Initial Release	

ABBREVIATIONS AND ACRONYMS

Acronyms	
Acronym	Description
DSSS	Direct Sequence Spread Spectrum
EUT	Equipment Under Test
FCC	Federal Communications Commission
IEEE 802.15.4	MAC and PHY Layer for Wireless Personal Area Networks
ISED	Innovation, Science and Economic Development Canada
O-QPSK	Offset-Quadrature Phase Shift Keying
QPSK	Quadrature Phase Shift Keying
RBW	Resolution bandwidth
RMS	Root mean square
VBW	Video bandwidth
V _{NOM}	Nominal supply voltage

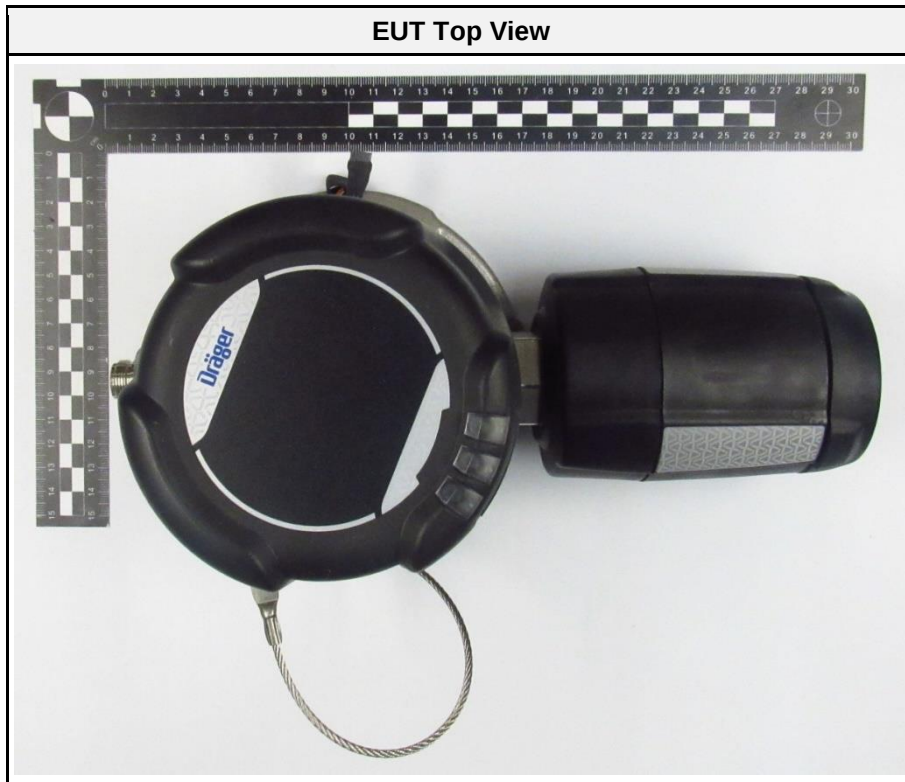
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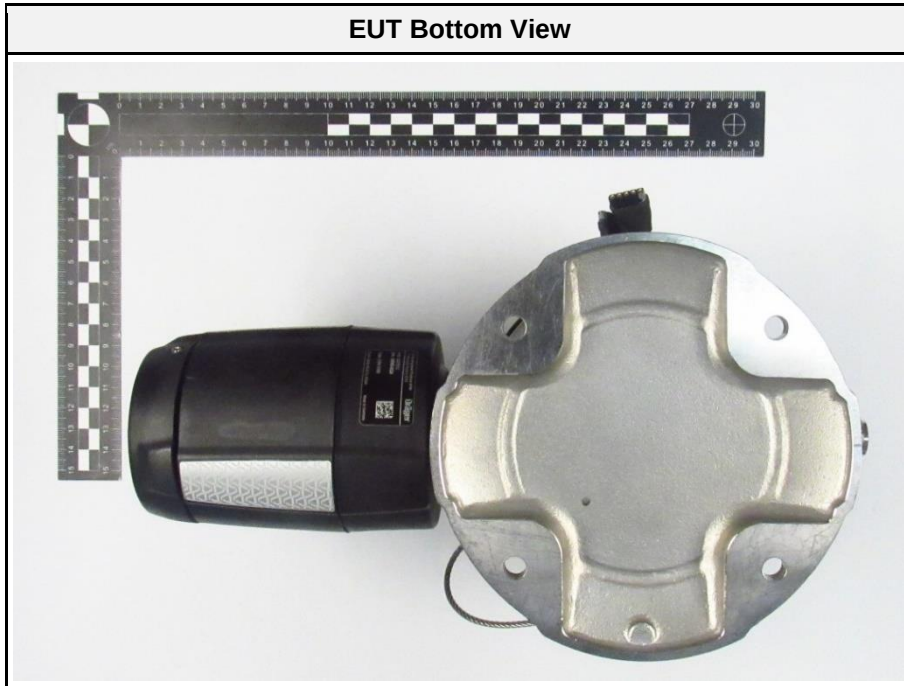
1 Equipment (Test Item) Under Test

Description	Fixed Gas Detector	
Model	Polytron 6100 EC WL	
Additional Model(s)	None	
Brand Name(s)	None	
Serial Number(s)	ARB-0024	
Test Sample ID(s)	40425	
Hardware Version(s)	RC002	
Software Version(s)	Transmitter: P6100 V1.5.7, Centro FW v02.00.08, Bootloader V2.5.0, SW Telit BLT V3.12.002	
FCC ID	X6O-RC002	
IC	5895F-RC002	
Equipment type	End Product	
Radio type	Transceiver	
Assigned frequency bands	2400.0 MHz - 2483.5 MHz	
Radio technology	IEEE 802.15.4	
Modulation	O-QPSK	
Number of antenna ports	1	
Radio Module	Type	Zigbee Radio Module
	Model	CW24-012
	Manufacturer	Centro LLC
	HW Version	2
	SW Version	V1.5.02c
	FCC-ID	2ANDP-CW24-012
	IC	23069-CW24012
Antenna	Type	External
	Model	1399.17.0237
	Manufacturer	Huber+Suhner
	Gain	2 dBi
Supply Voltage 1	V _{NOM}	24 VDC
Supply Voltage 2	V _{NOM}	14.4 VDC (Battery)
Operating Temperature	T _{NOM}	20°C
Manufacturer	Dräger Safety AG & Co. KGaA Revalstraße 1 23560 Lübeck GERMANY	

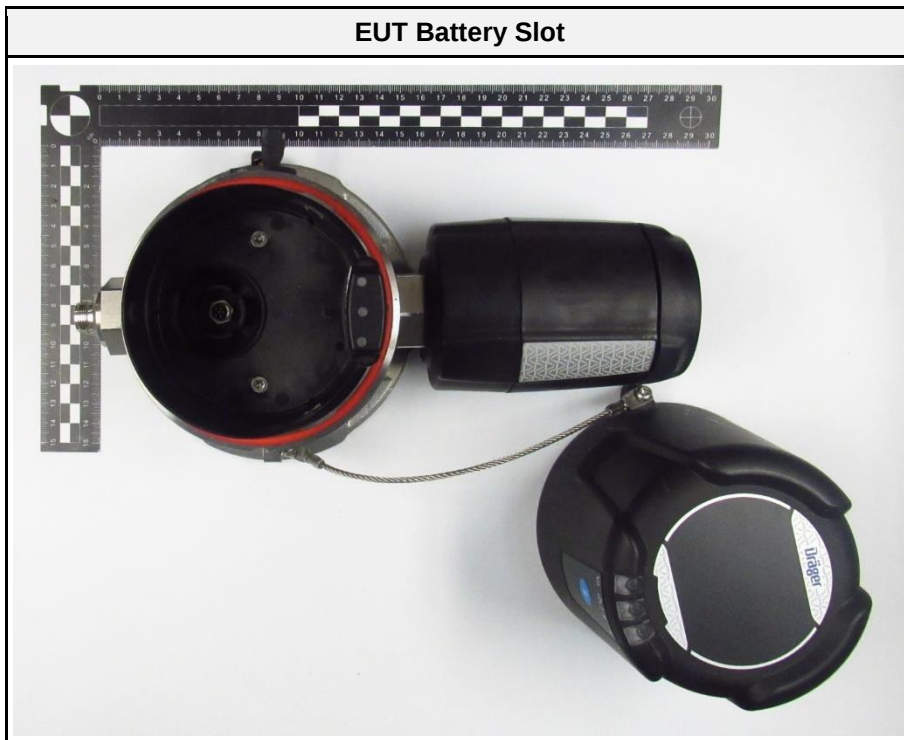
1.1 Photos – Equipment External



EUT Bottom View



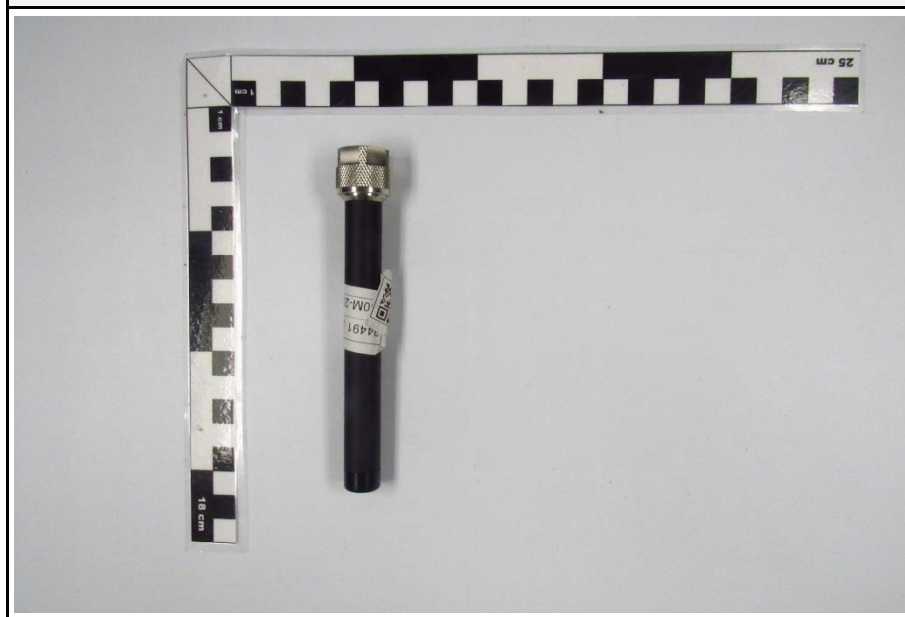
EUT Battery Slot



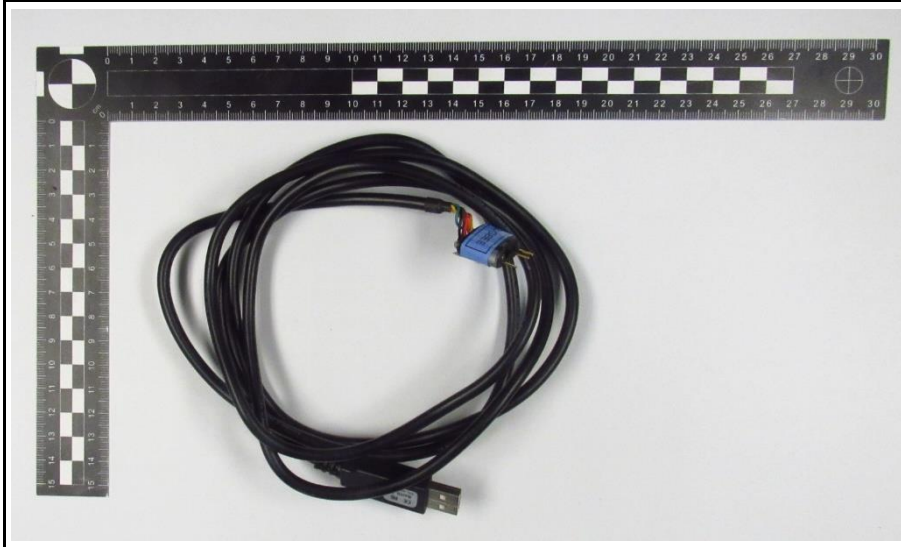
EUT Battery



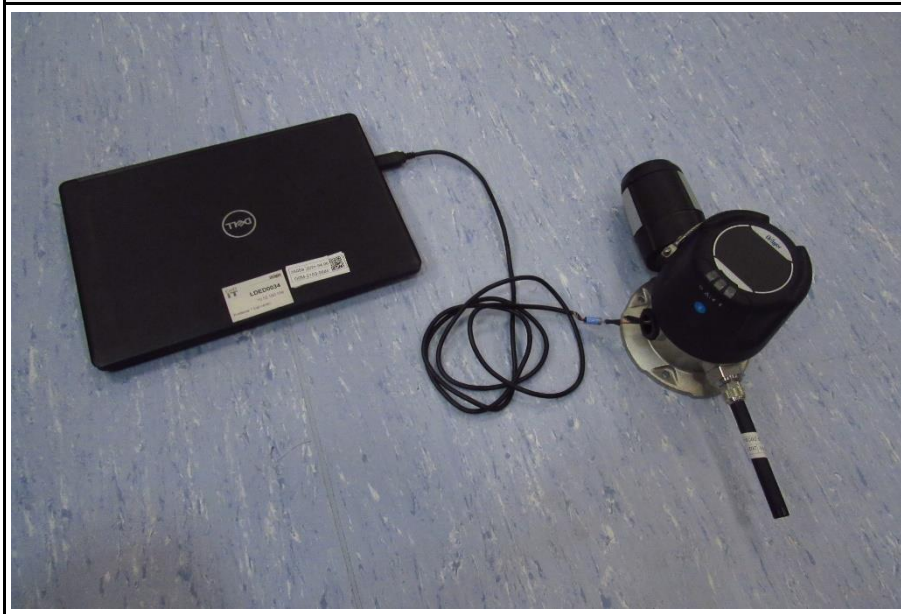
EUT Antenna



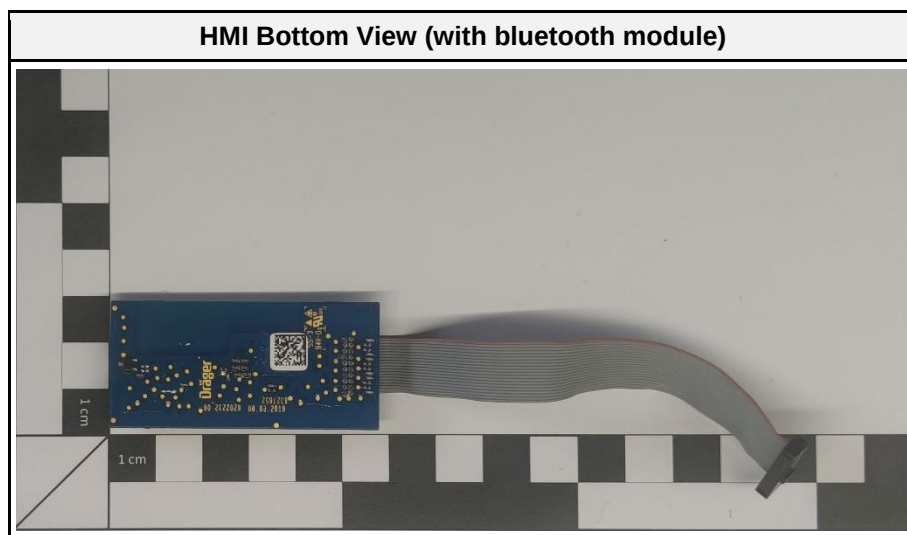
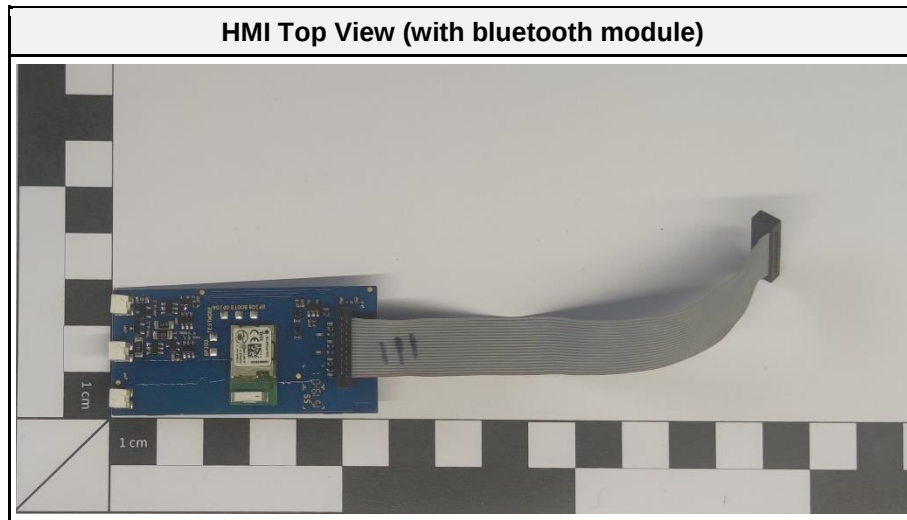
USB Cable for Zigbee Mode



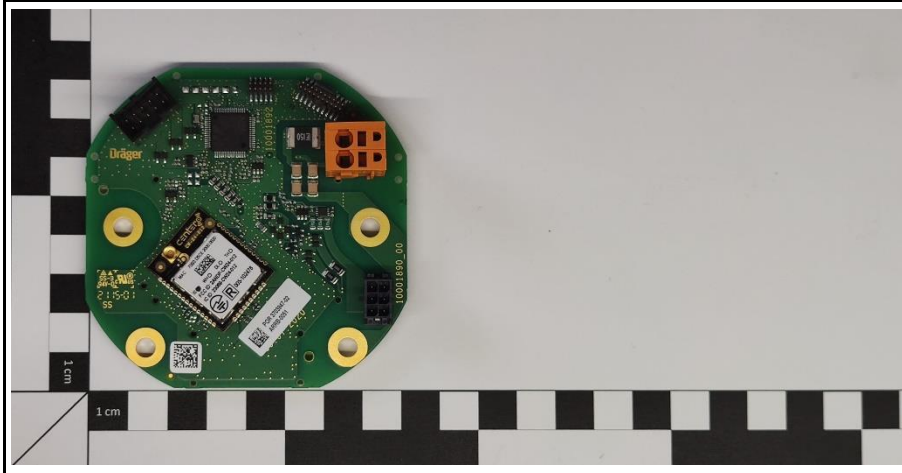
EUT with auxiliary equipment



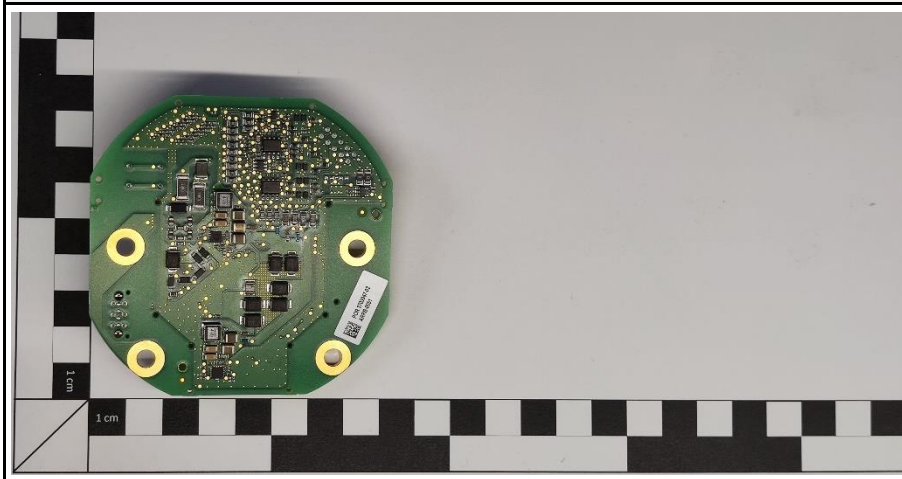
1.2 Photos – Equipment Internal



SWEETII Top (main board with ISA100)



SWEETII Bottom (main board with ISA100)



1.3 Support Equipment

Product Type	Device	Manufacturer	Model	Comment
AE	Notebook	Dell	-	-
CBL	USB cable	-	-	for configuring test modes
Description:				
AE	Auxiliary Equipment			
SIM	Simulator			
CBL	Connecting Cable			
SFT	Software			
Comment:				

1.4 Test Modes

Mode	Description
DSSS O-QPSK	Mode = Transmit Modulation = O-QPSK Channel = 11 (2405 MHz) Spreading = DSSS Data rate = 250 kbps Power Setting = 10dBm Chip rate = 2000 kbps Duty cycle = 100%
Receive	Mode = Receive
Comment: Worst case was found in module test report number 17-0343 issued by US Tech on 2017-11-10.	

1.5 Test Frequencies

Designator	Mode	Channel	Frequency [MHz]
F1	Tx	11	2405
F2	Tx	25	2475

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:

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

Net:

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

Limit:

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

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

Margin:

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

Example only:

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

2 Result Summary

FCC 47 CFR Part 15C				
Product Standard Reference	Requirement	Reference Method	Result	Remarks
FCC § 15.247(a)(2)	6 dB Bandwidth	ANSI C63.10-2013	N/T	
FCC § 15.247(b)	Maximum peak conducted power	ANSI C63.10-2013	N/T	
FCC § 15.247(e)	Power spectral density	ANSI C63.10-2013	N/T	
FCC § 15.207	AC power line conducted emissions	ANSI C63.10-2013	PASS	
FCC § 15.247(d)	Band edge compliance	ANSI C63.10-2013	N/T	
FCC § 15.247(d)	Conducted spurious emissions	ANSI C63.10-2013	N/T	
FCC § 15.247(d) FCC § 15.209	Transmitter radiated spurious emissions	ANSI C63.10-2013	PASS	
Comment:				

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 - AC powerline conducted emissions

3.1.1 Information

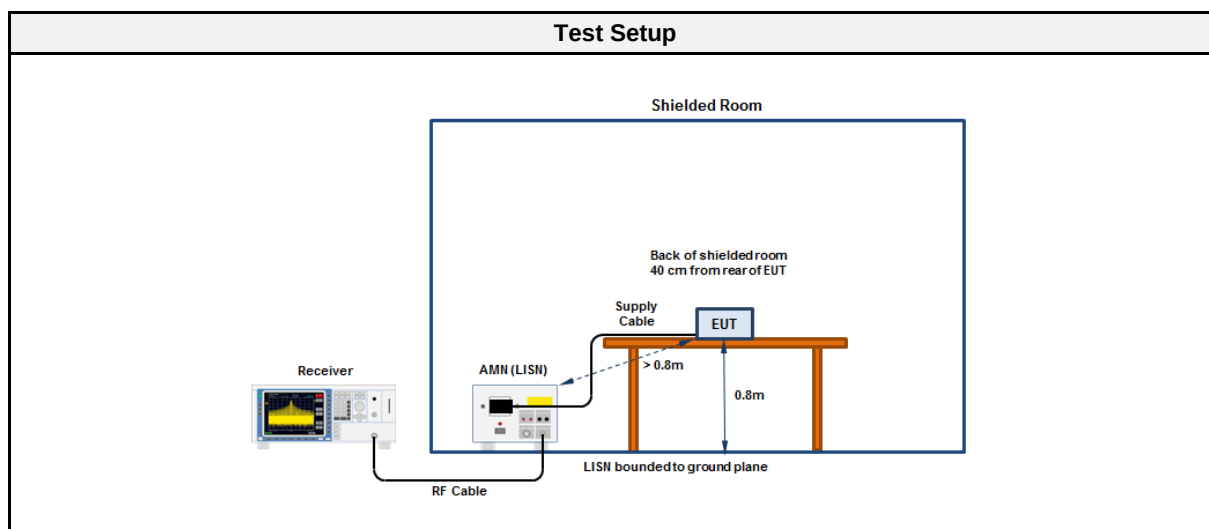
Test Information	
Reference	FCC § 15.207
Measurement Method	ANSI C63.10 6.2
Measurement Uncertainty	± 3.82 dB
Operator	Odai Qawasmeh
Date	2022-06-27

3.1.2 Limits

Limits		
Frequency [MHz]	Quasi-Peak [dBμV]	Average [dBμV]
0.15 - 0.5	66 - 56*	56 - 46*
0.5 - 5	56	46
5 - 30	60	50

* Limit decreases linearly with the logarithm of the frequency

3.1.3 Setup

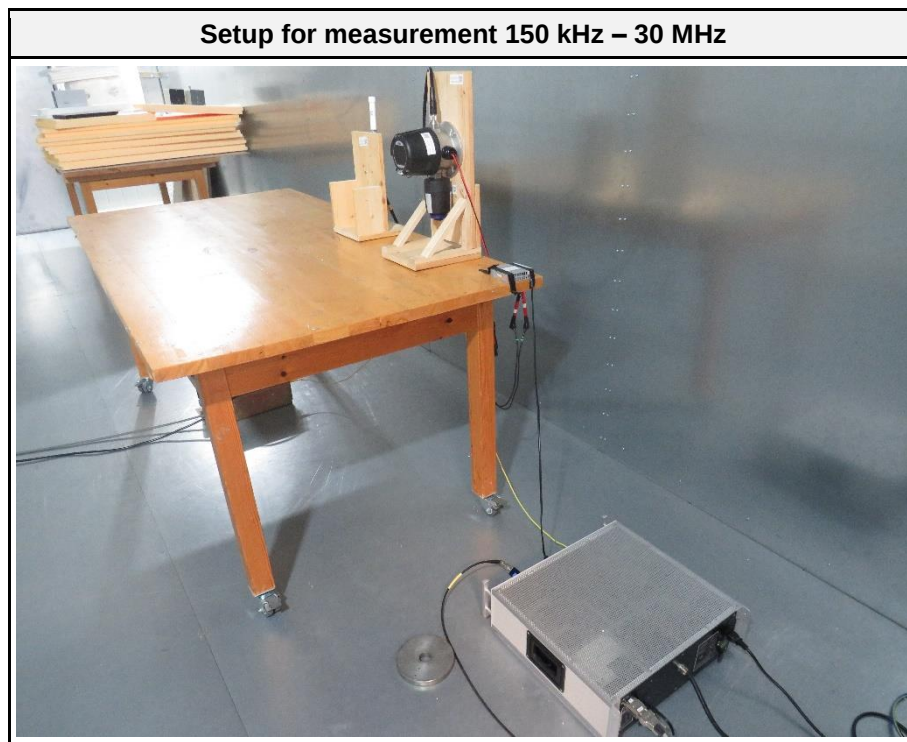


3.1.4 Equipment

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

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
EMI Test Receiver	R&S	ESR7	EF00943	2021-08	2022-08
Pulse Limiter	R&S	ESH3-Z2	EF01222	2021-07	2022-07
LISN	Schwarzbeck	NSLK 8127 RC	EF01592	2021-07	2022-07

3.1.5 Setup Photos

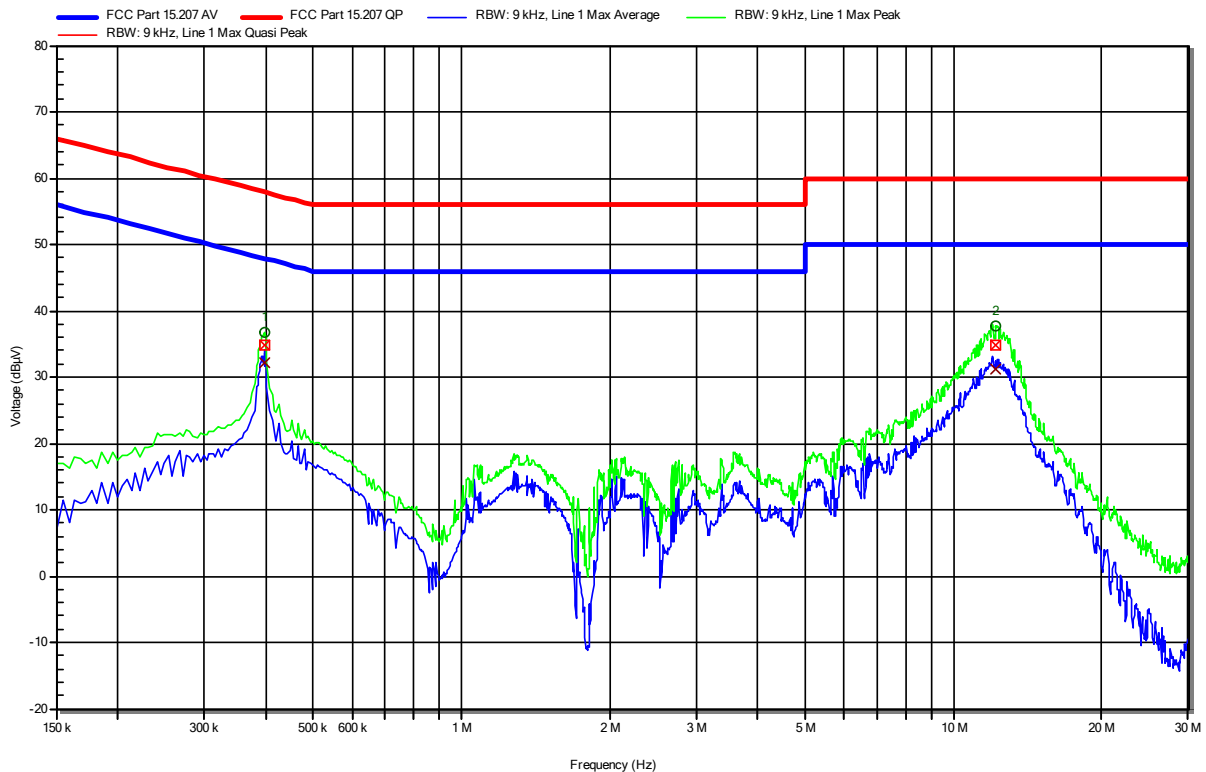


Conducted emissions at the mains power port according to 47 CFR Part FCC 15.247

Project Number: G0M-2009-9279
 Applicant: Dräger Safety AG & Co. KGaA
 Model Description: Fixed Gas Detector
 Model: Polytron 6100 EC WL
 Test Sample ID: 40294
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Neuner
 Test Date: 2022-06-27
 Operating Conditions: ambient temperature: 24.6 °Celsius
 LISN: Schwarzbeck NSLK 8127
 Operational Mode: IEEE 802.15.4, 10 dBm Output Power, 2405 MHz
 EUT Configuration:
 Applied to Port: 120V AC, 60Hz
 Note 1:

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RadiMation



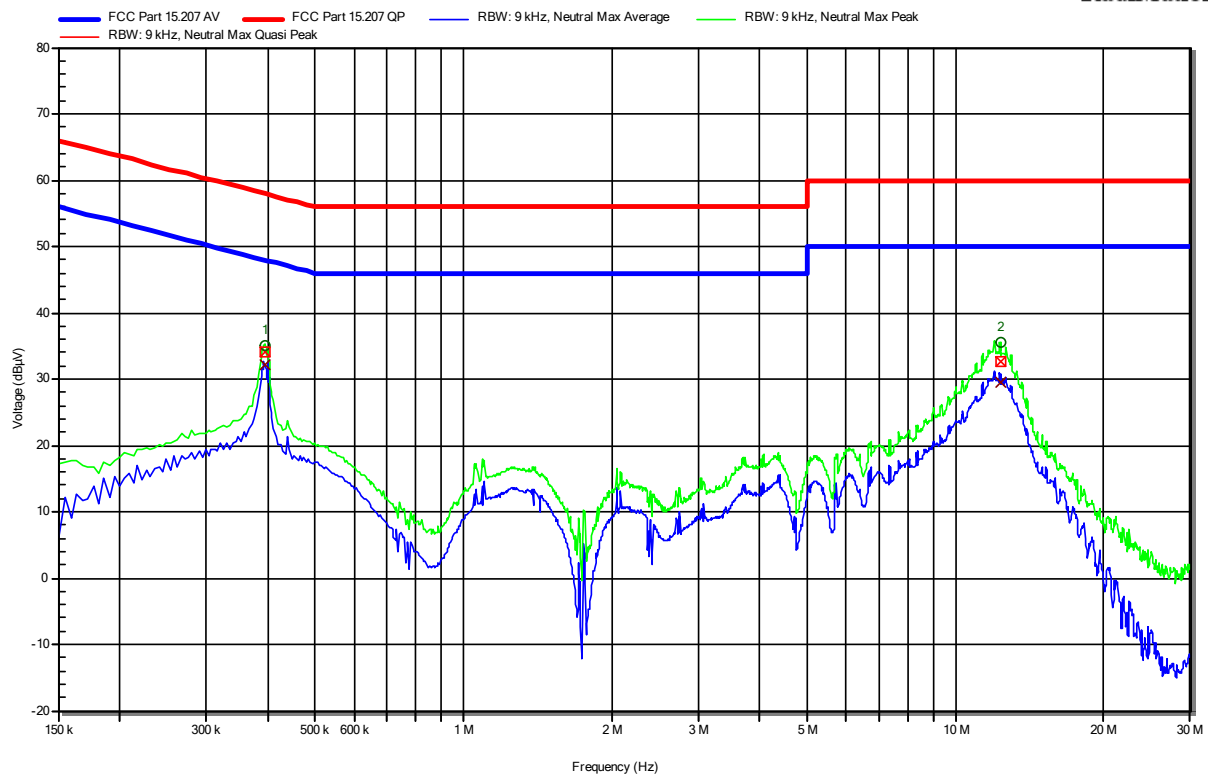
Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	LISN
1	397.05 kHz	34.71 dBμV	57.91 dBμV	-23.21 dB	Pass	Line 1
2	12.201 MHz	34.75 dBμV	60 dBμV	-25.25 dB	Pass	Line 1
Peak Number	Frequency	Average	Average Limit	Average Difference	Average Status	LISN
1	397.05 kHz	32.26 dBμV	47.91 dBμV	-15.66 dB	Pass	Line 1
2	12.201 MHz	31.22 dBμV	50 dBμV	-18.78 dB	Pass	Line 1

Conducted emissions at the mains power port according to 47 CFR Part FCC 15.247

Project Number: G0M-2009-9279
 Applicant: Dräger Safety AG & Co. KGaA
 Model Description: Fixed Gas Detector
 Model: Polytron 6100 EC WL
 Test Sample ID: 40294
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Neuner
 Test Date: 2022-06-27
 Operating Conditions: ambient temperature: 24.6 °Celsius
 LISN: Schwarzbeck NSLK 8127
 Operational Mode: IEEE 802.15.4, 10 dBm Output Power, 2405 MHz
 EUT Configuration:
 Applied to Port: 120V AC, 60Hz
 Note 1:

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RadiMation



Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	LISN
1	393.9 kHz	34.21 dBμV	57.98 dBμV	-23.77 dB	Pass	Neutral
2	12.332 MHz	32.75 dBμV	60 dBμV	-27.25 dB	Pass	Neutral
Peak Number	Frequency	Average	Average Limit	Average Difference	Average Status	LISN
1	393.9 kHz	32.09 dBμV	47.98 dBμV	-15.89 dB	Pass	Neutral
2	12.332 MHz	29.46 dBμV	50 dBμV	-20.54 dB	Pass	Neutral

3.2 Test Conditions and Results - Transmitter radiated emissions

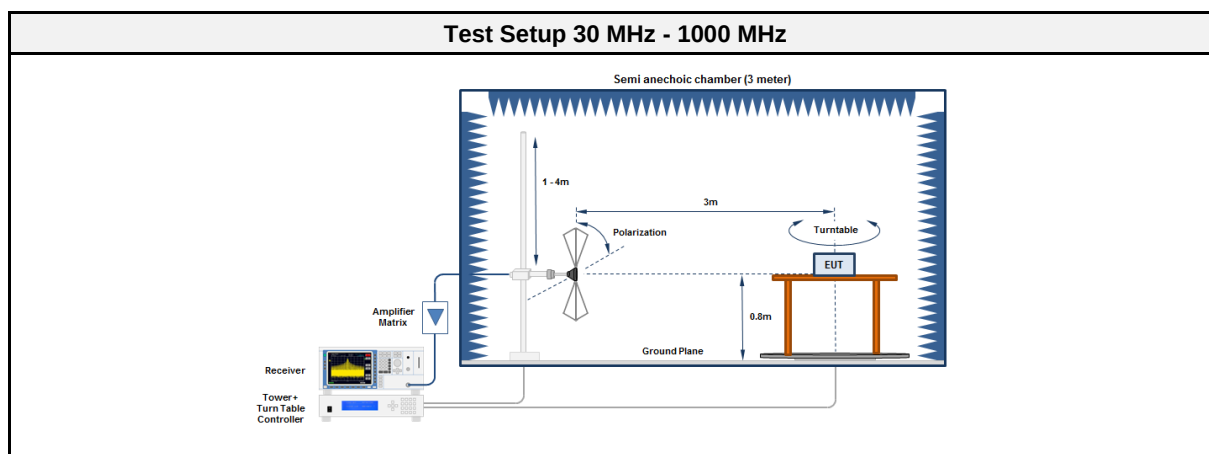
3.2.1 Information

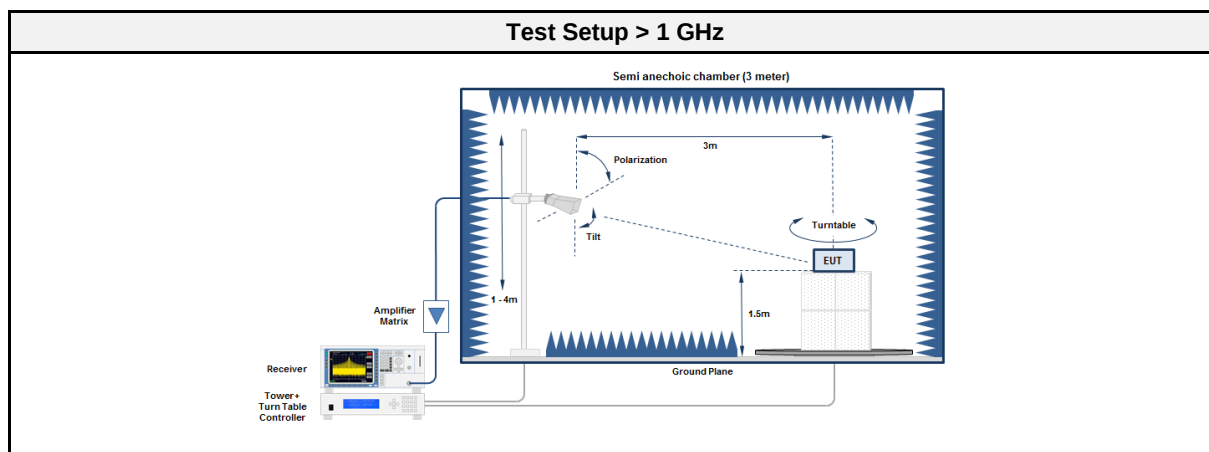
Test Information	
Reference	FCC § 15.247(d); FCC § 15.209
Measurement Uncertainty	± 5.95 dB
Measurement Method	ANSI C63.10 6.4, 6.5, 6.6, 11.12
Operator	Odai Qawasmeh
Date	2022-06-21

3.2.2 Limits

Limits			
Frequency range [MHz]	Detector	Field strength [$\mu\text{V/m}$]	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

3.2.3 Setup





3.2.4 Equipment

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

Test Equipment 30 MHz - 1000 MHz					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Anechoic Chamber	Frankonia	AC1	EF00062	2021-02	2024-02
Measurement Receiver	Agilent	N9038A-526/WXP	EF01070	2021-07	2022-07
Antenna	R&S	HK 116	EF00030	2021-05	2024-05
Antenna	R&S	HL 223	EF00187	2022-06	2025-06

Test Equipment > 1 GHz					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Anechoic chamber	Frankonia	AC 2	EF01616	2021-09	2022-09
Spectrum analyzer	R&S	FSU43	EF01631	2021-07	2022-07
Horn antenna	Schwarzbeck	BBHA 9120B	EF01678	2021-03	2024-03
Horn Antenna	Schwarzbeck	HWRD 650	EF01679	2021-03	2024-03
Antenna	Amplifier Research	AT4560	EF00302	2021-06	2023-06

3.2.5 Procedure

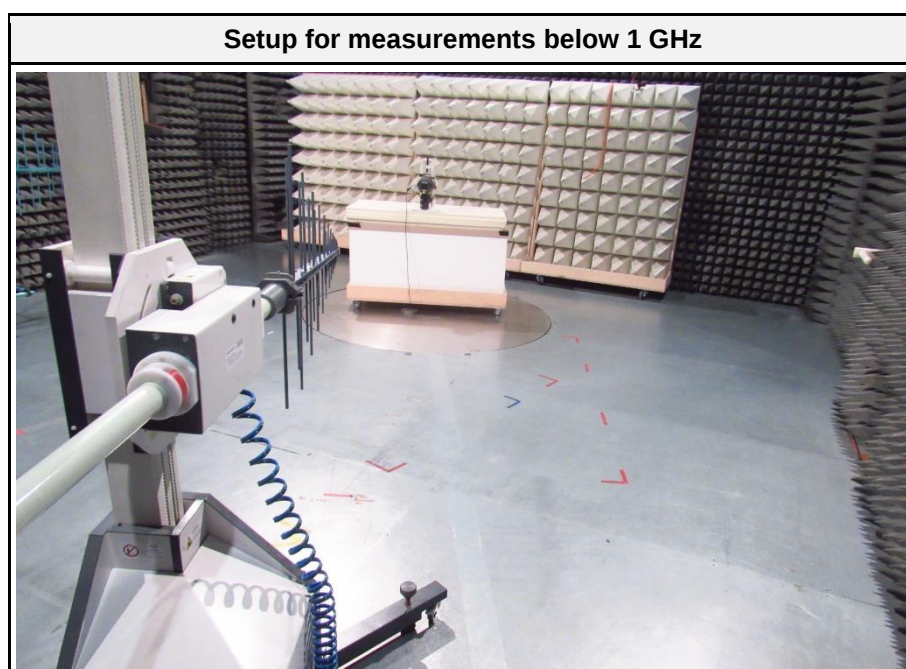
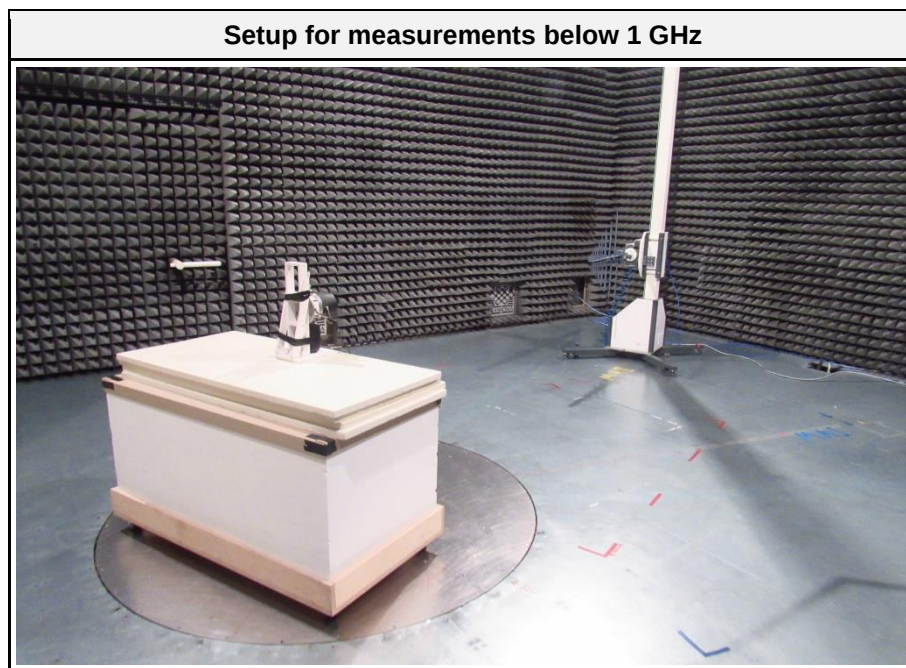
Test Procedure 30 MHz - 1000 MHz	
1. EUT is placed on a non conducting support at the center of a turn table 0.8 m above the ground 2. EUT set to test mode 3. The receiver is set to peak detection with max hold 4. The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m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

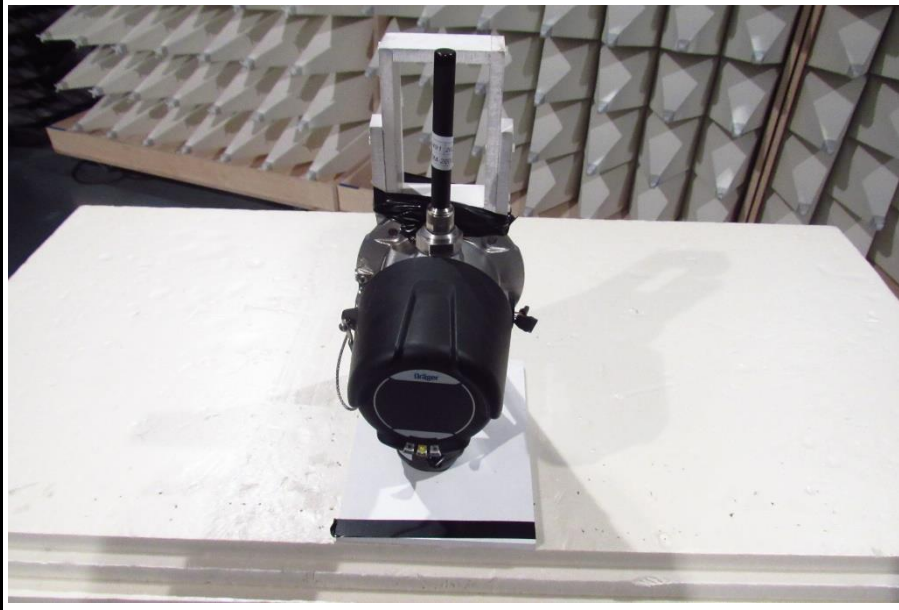
3.2.6 Results

Test Results						
Channel [MHz]	Emission [MHz]	Level [dBμV/m]	Det.	Pol.	Limit [dBμV/m]	Margin [dB]
2405	2373	59.30	pk	ver	74.00	-14.70
2405	2373	51.14	avg	ver	54.00	-02.86
2405	4811.1	51.99	pk	ver	74.00	-22.01
2405	4811.1	46.11	avg	ver	54.00	-07.89
2405	17772	42.87	pk	hor	74.00	-31.13
2405	17772	34.73	avg	hor	54.00	-19.27
2405	18387	45.57	pk	ver	74.00	-28.43
2405	18387	36.60	avg	ver	54.00	-17.40
2475	2484.8	59.84	pk	ver	74.00	-14.16
2475	2484.8	53.19	avg	ver	54.00	-00.81

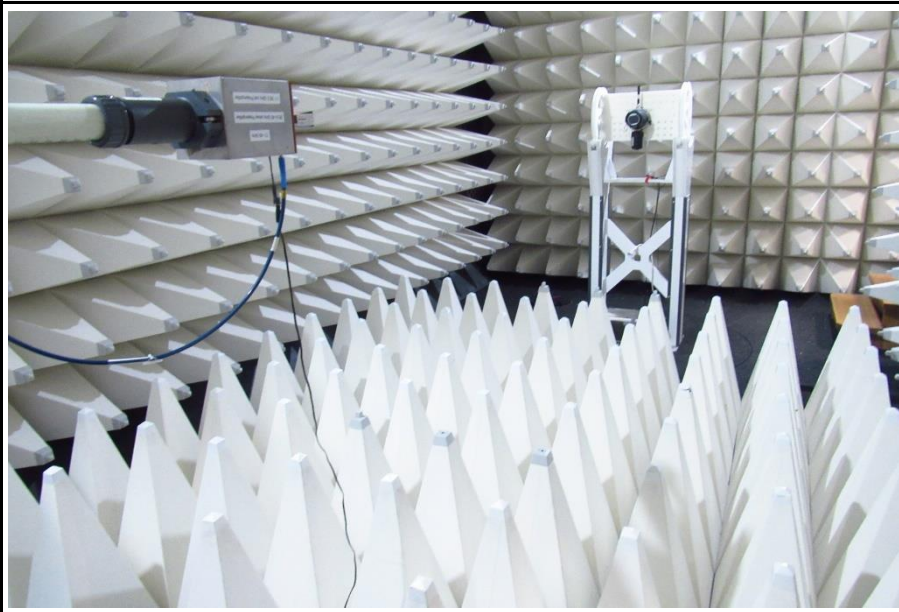
3.2.7 Setup Photos



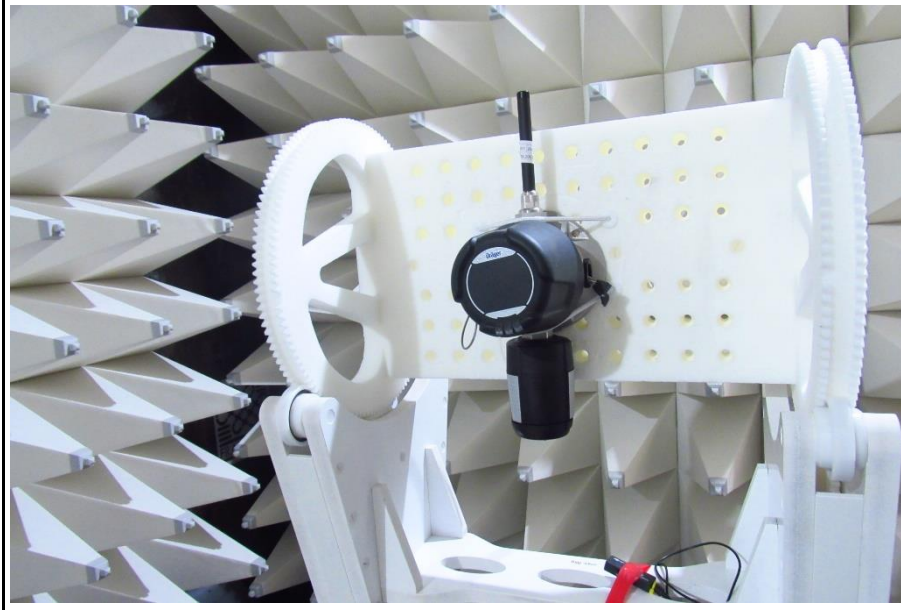
EUT Test Setup



Setup for measurements above 1 GHz



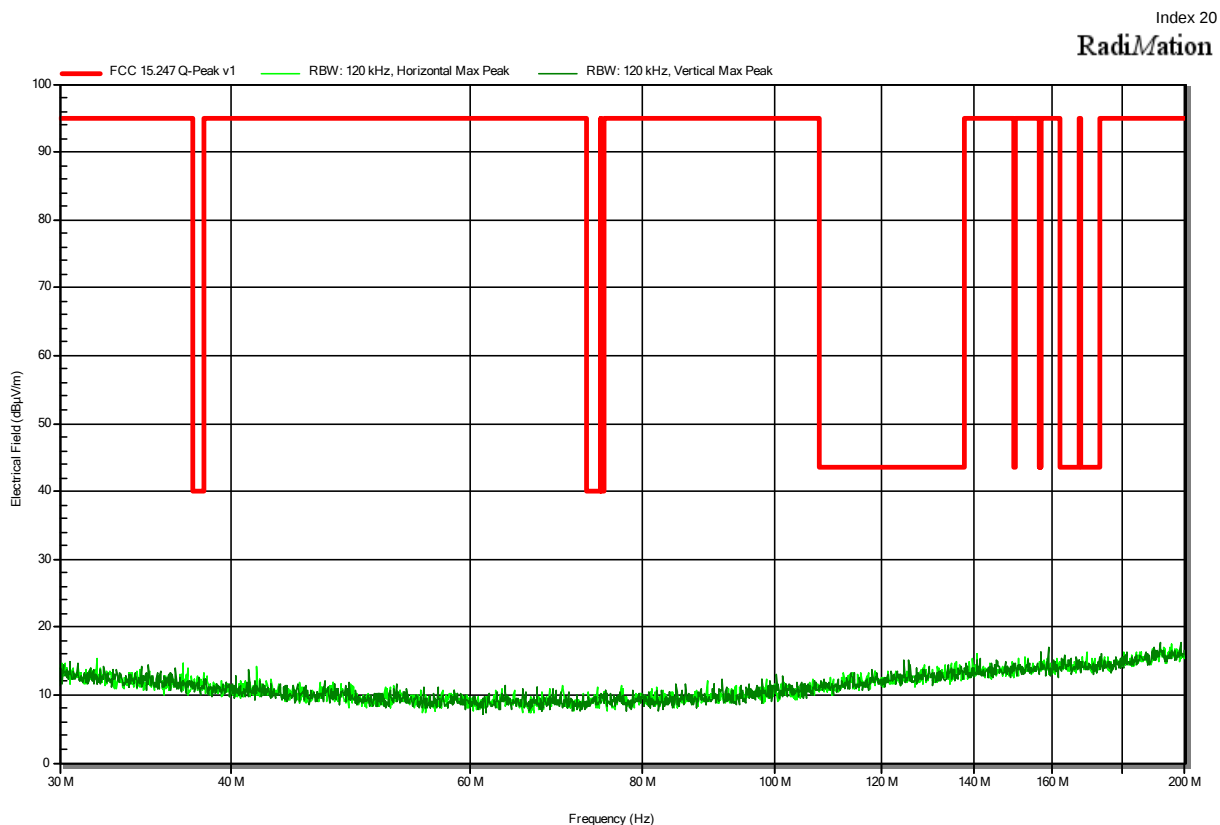
EUT Test Setup



ANNEX A Transmitter spurious emissions

Radiated Spurious Emissions according to 47 CFR Part 15.247

Project Number: G0M-2009-9278
 Applicant: Dräger Safety AG & Co. KGaA
 Model Description: Fixed Gas Detector
 Model: Polytron 6100 EC WL
 Test Sample ID: 40425
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Voigt
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom:
 Antenna: Rohde & Schwarz HK 116
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.15.4, 10 dBm Output Power, 2405 MHz
 Test Date: 2022-06-30
 Note:

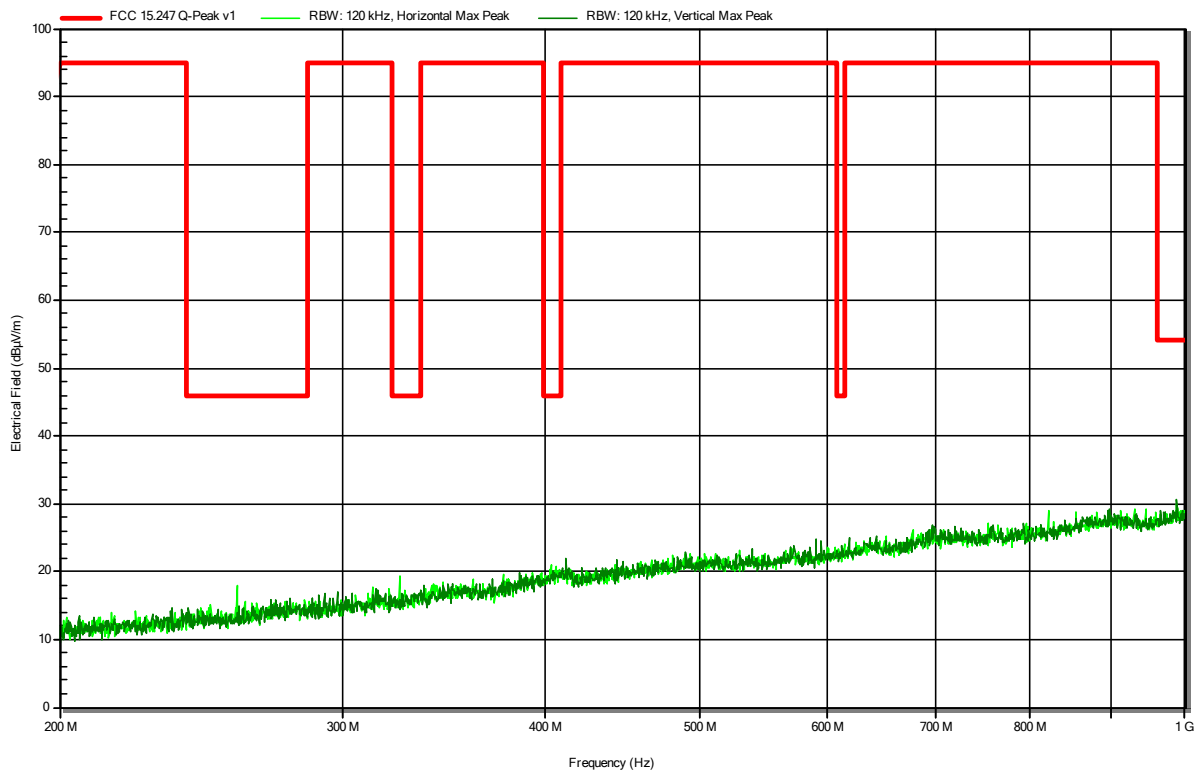


Radiated Spurious Emissions according to 47 CFR Part 15.247

Project Number: G0M-2009-9278
 Applicant: Dräger Safety AG & Co. KGaA
 Model Description: Fixed Gas Detector
 Model: Polytron 6100 EC WL
 Test Sample ID: 40425
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Voigt
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom:
 Antenna: Rohde & Schwarz HL 223
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.15.4, 10 dBm Output Power, 2405 MHz
 Test Date: 2022-06-30
 Note:

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RadiMation

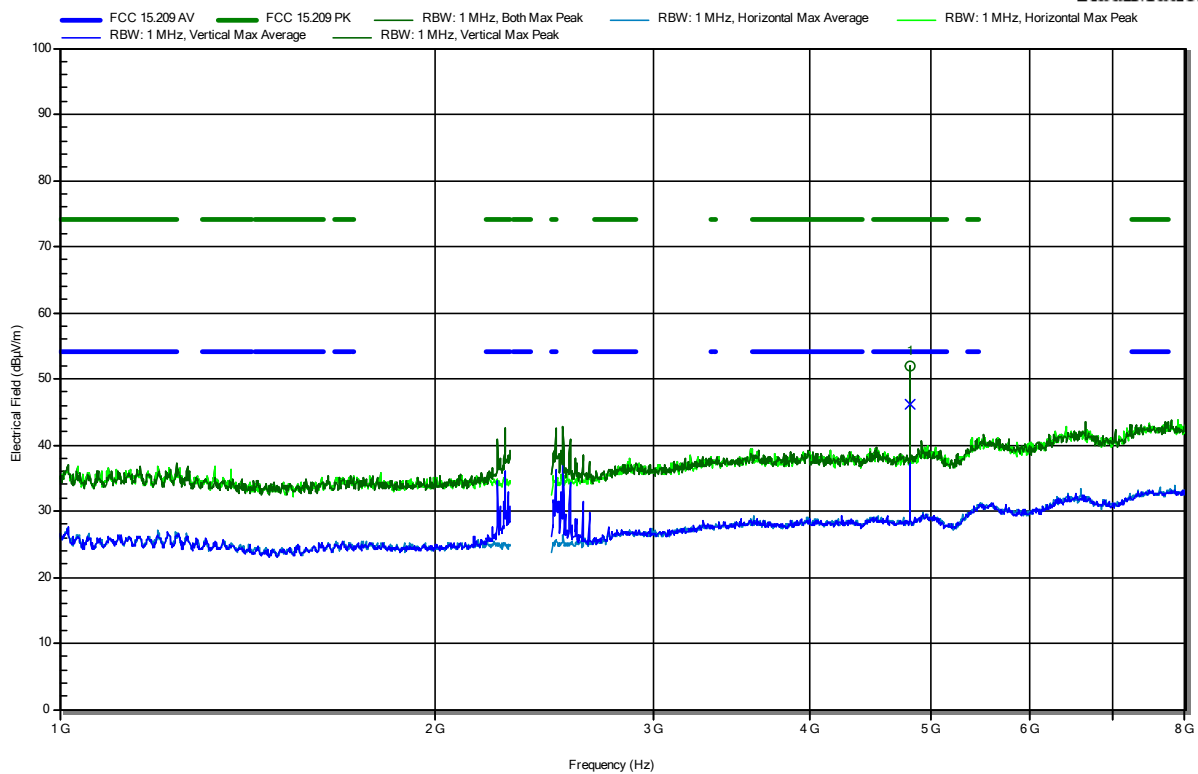


Radiated Spurious Emissions according to 47 CFR Part 15.247

Project Number: G0M-2009-9278
 Applicant: Dräger Safety AG & Co. KGaA
 Model Description: Fixed Gas Detector
 Model: Polytron 6100 EC WL
 Test Sample ID: 40425
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom:
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.15.4, 10 dBm Output Power, 2405 MHz
 Test Date: 2022-06-29
 Note:

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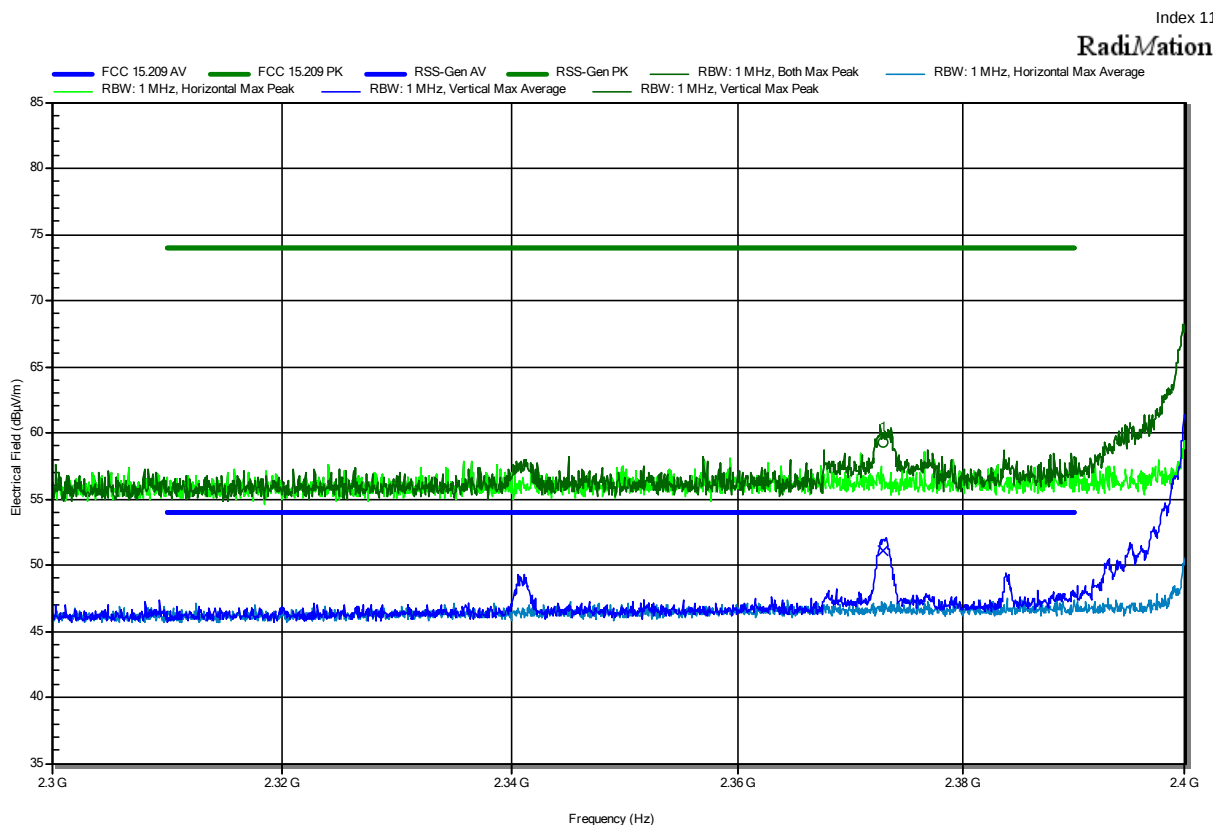
RadiMation



Frequency 4.8111 GHz	Peak 51.99 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -22.01 dB	Peak Status Pass	Polarization Vertical
Frequency 4.8111 GHz	Average 46.11 dBµV/m	Average Limit 54 dBµV/m	Average Difference -7.89 dB	Average Status Pass	Polarization Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247

Project Number: G0M-2009-9278
 Applicant: Dräger Safety AG & Co. KGaA
 Model Description: Fixed Gas Detector
 Model: Polytron 6100 EC WL
 Test Sample ID: 40425
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom:
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.15.4, 10 dBm Output Power, 2405 MHz
 Test Date: 2022-06-21
 Note: lower bandedge



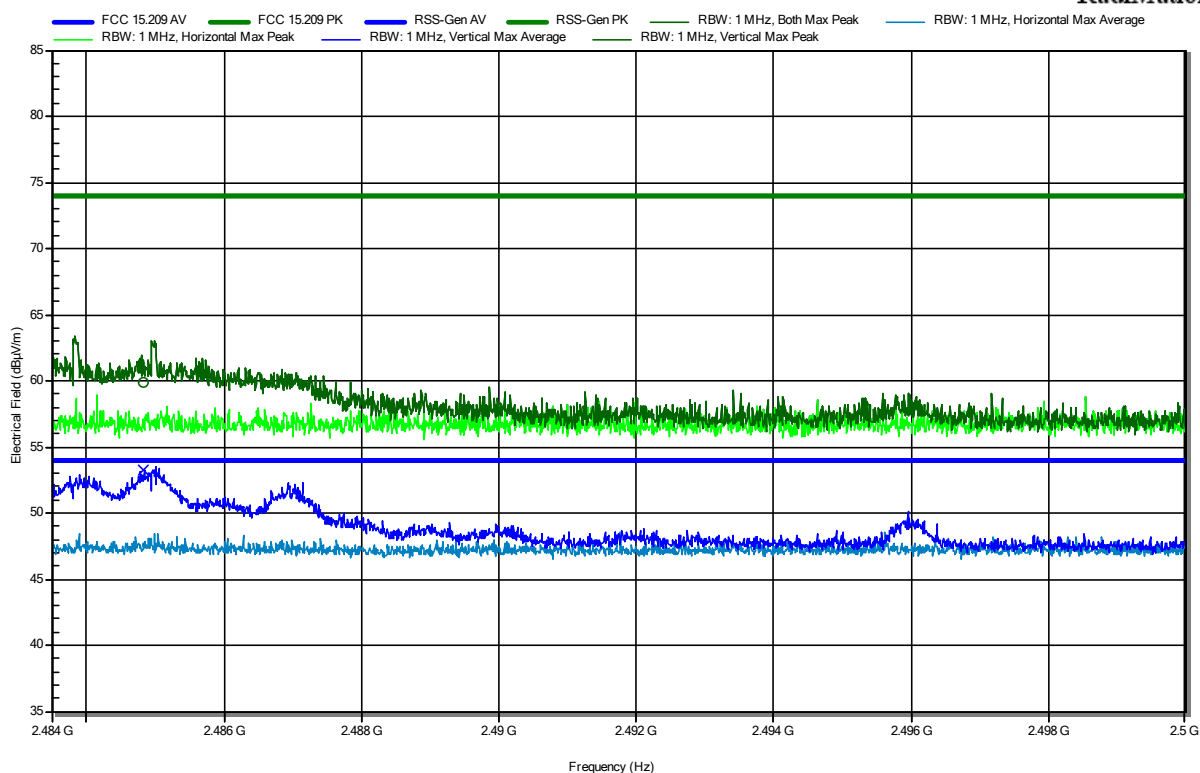
Frequency 2.373 GHz	Peak 59.3 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -14.7 dB	Peak Status Pass	Polarization Vertical
Frequency 2.373 GHz	Average 51.14 dBµV/m	Average Limit 54 dBµV/m	Average Difference -2.86 dB	Average Status Pass	Polarization Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247

Project Number: G0M-2009-9278
 Applicant: Dräger Safety AG & Co. KGaA
 Model Description: Fixed Gas Detector
 Model: Polytron 6100 EC WL
 Test Sample ID: 40425
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom:
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.15.4, 10 dBm Output Power, 2475 MHz
 Test Date: 2022-06-23
 Note: upper bandedge

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RadiMation



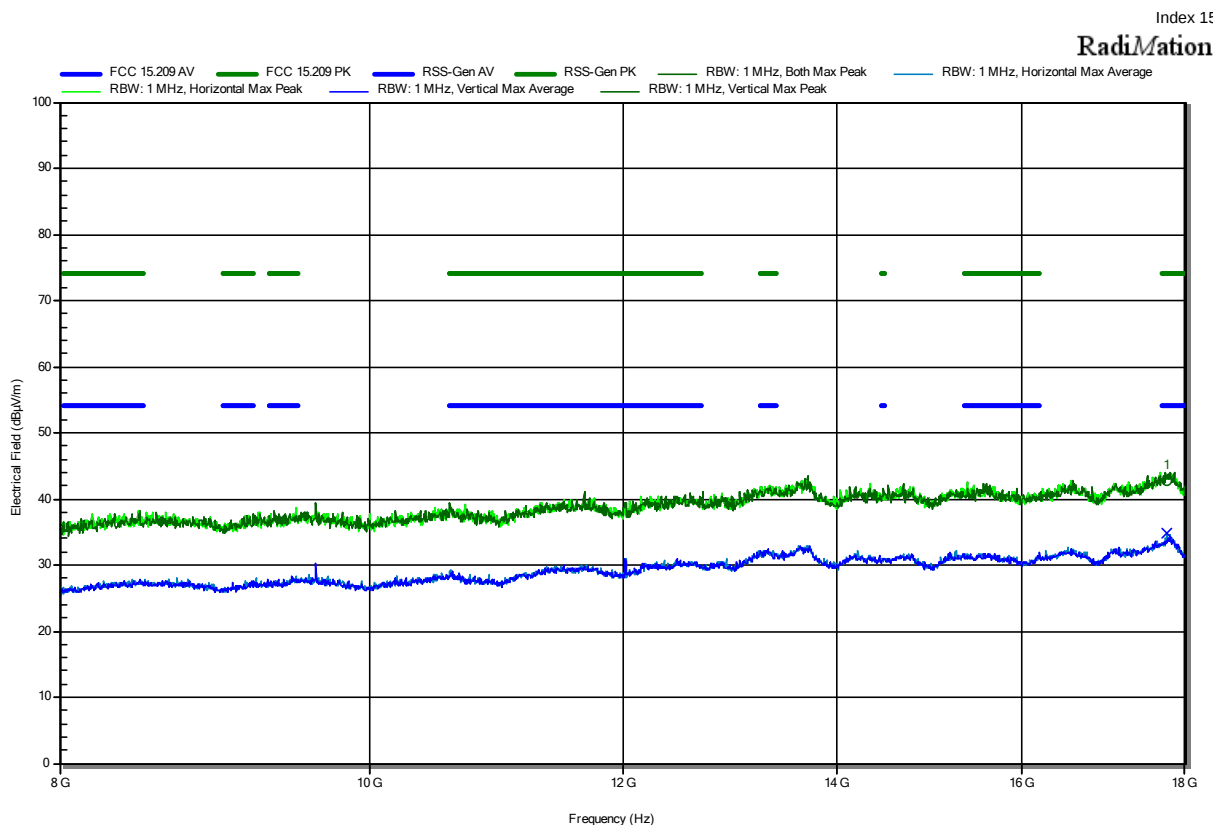
Frequency 2.4848 GHz	Peak 59.84 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -14.16 dB	Peak Status Pass	Polarization Vertical
Frequency 2.4848 GHz	Average 53.19 dBµV/m	Average Limit 54 dBµV/m	Average Difference -0.81 dB	Average Status Pass	Polarization Vertical

Test Report No.: G0M-2009-9279-TFC247ZB-V01

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

Radiated Spurious Emissions according to FCC 15.247

Project Number: G0M-2009-9278
 Applicant: Dräger Safety AG & Co. KGaA
 Model Description: Fixed Gas Detector
 Model: Polytron 6100 EC WL
 Test Sample ID: 40425
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom:
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.15.4, 10 dBm Output Power, 2405 MHz
 Test Date: 2022-06-29
 Note:



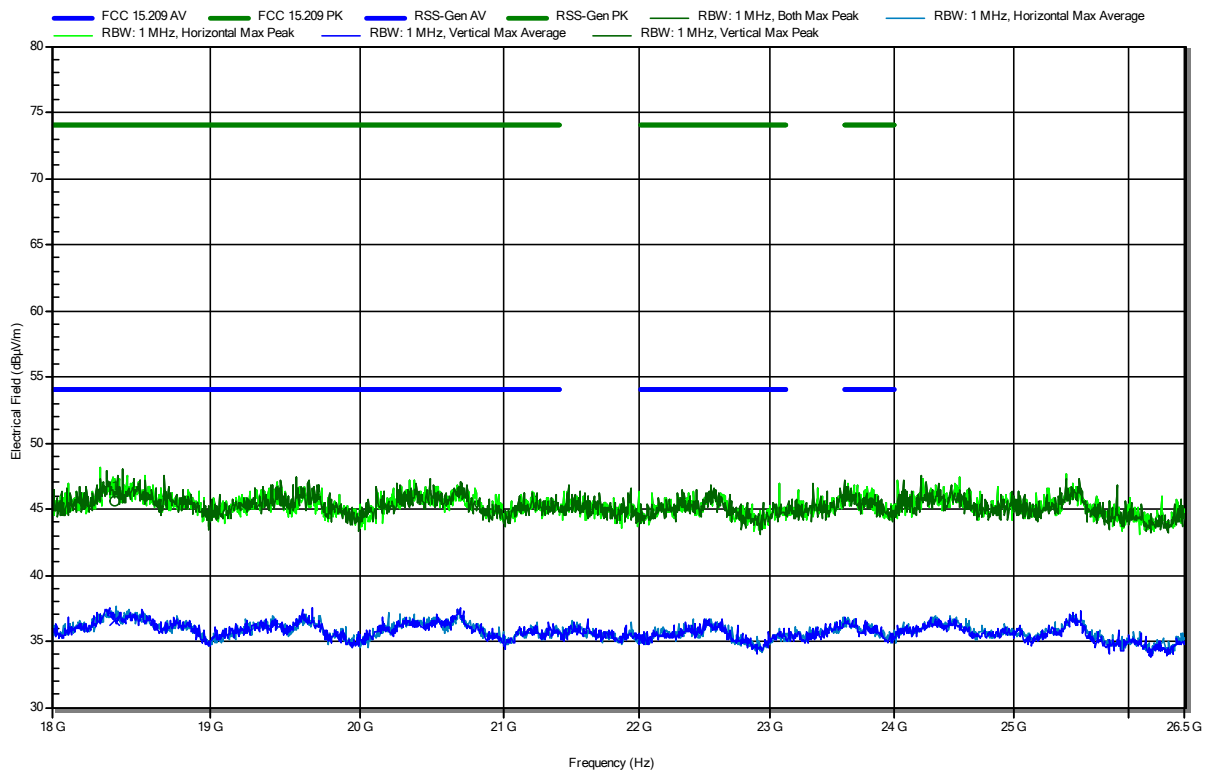
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
17.772 GHz	42.87 dBµV/m	74 dBµV/m	-31.13 dB	Pass	Horizontal
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
17.772 GHz	34.73 dBµV/m	54 dBµV/m	-19.27 dB	Pass	Horizontal

Radiated Spurious Emissions according to 47 CFR Part 15.247

Project Number: G0M-2009-9278
 Applicant: Dräger Safety AG & Co. KGaA
 Model Description: Fixed Gas Detector
 Model: Polytron 6100 EC WL
 Test Sample ID: 40425
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom:
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; IEEE 802.15.4, 10 dBm Output Power, 2405 MHz
 Test Date: 2022-06-29
 Note:

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RadiMation



Frequency 18.387 GHz	Peak 45.57 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -28.43 dB	Peak Status Pass	Polarization Vertical
Frequency 18.387 GHz	Average 36.6 dBµV/m	Average Limit 54 dBµV/m	Average Difference -17.4 dB	Average Status Pass	Polarization Vertical

=== END OF TEST REPORT ===

Test Report No.: G0M-2009-9279-TFC247ZB-V01

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