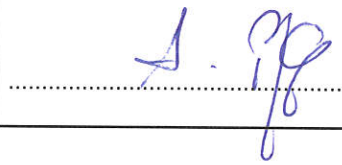
EMC TEST REPORT

FCC 47 CFR Part 18

Report Reference No	G0M-1904-8188-EF01ISM-V01
Testing Laboratory	Eurofins Product Service GmbH
Address	Storkower Str. 38c 15526 Reichenwalde Germany
Accreditation	 DAkkS - Registration number : D-PL-12092-01-04 FCC Filed Test Laboratory, Reg.-No.: 96970
Applicant	Dräger Safety AG & Co. KGaA
Address	Revalstraße 1 23560 Lübeck GERMANY
Test Specification Standard(s)	47 CFR Part 18 FCC MP-5:1986
Non-Standard Test Method	None
Equipment under Test (EUT):	
Product Description	Bump test station for calibration of X-am 8000
Model(s)	X-dock Module X-am 8000+
Additional Model(s)	None
Brand Name(s)	None
Hardware Version(s)	8321894
Software Version(s)	02.02.19
FCC-ID	X6O-IC002
IC	5895F-IC002
Test Result	**PASSED**

Possible test case verdicts:		
required by standard but not tested	N/T	
not required by standard	N/R	
required by standard but not appl. to test object	N/A	
test object does meet the requirement	P(PASS)	
test object does not meet the requirement	F(FAIL)	
Testing:		
Date of receipt of test item	2019-09-12	
Report:		
Compiled by	Stephan Liebich	
Tested by (+ signature) (Responsible for Test)	Stephan Liebich Matthias Handrik	
Approved by (+ signature) (Test Lab Engineer)	Andreas Pflug	
Date of Issue	2020-02-25	
Total number of pages	51	
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:		

ABBREVIATIONS AND ACRONYMS

Acronyms	
Acronym	Description
EUT	Equipment Under Test
FCC	Federal Communications Commission
T_{NOM}	Nominal operating temperature
V_{NOM}	Nominal supply voltage

VERSION HISTORY

Version History			
Version	Issue Date	Remarks	Revised By
01	2020-02-25	Initial Release	

REPORT INDEX

1 Equipment (Test Item) Under Test

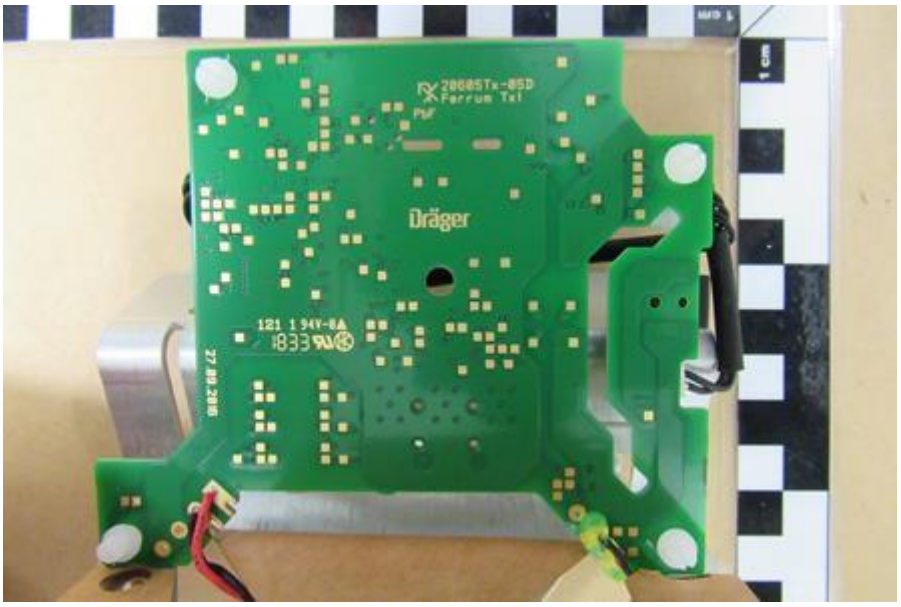
Description	Bump test station for calibration of X-am 8000	
Model	X-dock Module X-am 8000+	
Additional Model(s)	None	
Brand Name(s)	None	
Serial Number(s)	unspecified	
Sample ID	25418 (X-dock Module X-am 8000+) 25419 (4*X-dock Module X-am 8000+)	
Hardware Version(s)	8321894	
Software Version(s)	02.02.19	
FCC-ID	X6O-IC002	
IC	5895F-IC002	
Equipment Kind	Miscellaneous	
Equipment type	Table top	
RF power [W]	<500	
TX Frequency range [MHz]	0.070 - 0.142	
RX Frequency [MHz]	2	
Radio technology	Wireless Communication interface for wireless power transfer	
Supply Voltage	V_{NOM}	24 V DC
AC/DC-Adaptor 1	Model	CENB1030A2400C02
	Vendor	Dräger
	Input	100 - 240 V AC, 50 - 60 Hz
	Output	24 V DC / 1.33 A
AC/DC-Adaptor 2	Model	GT-43004P15024-T3
	Vendor	Globtek
	Input	100 – 240 V AC, 50 - 60 Hz
	Output	24 V DC / 6.25 A
Manufacturer	Dräger Safety AG & Co. KGaA Revalstraße 1 23560 Lübeck GERMANY	

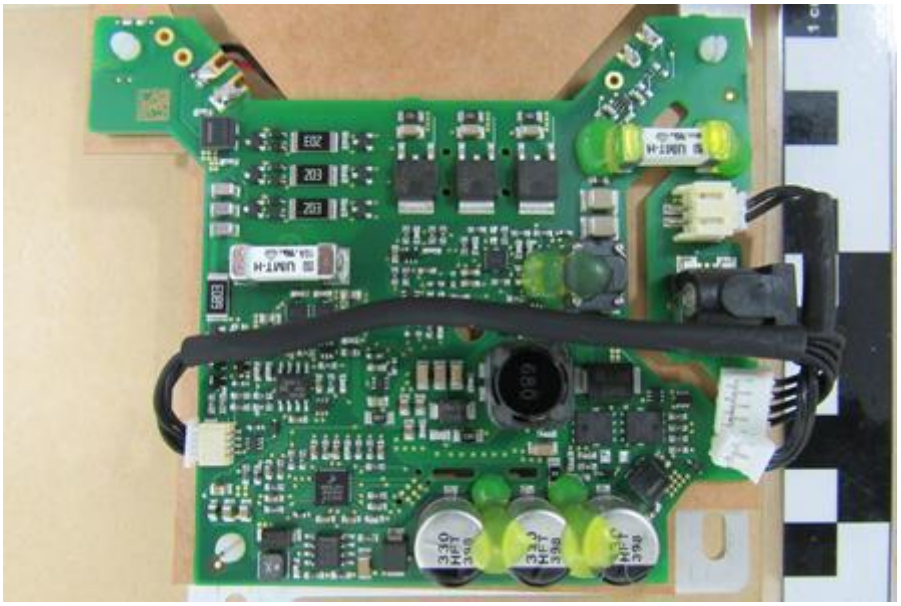
1.1 Equipment Ports

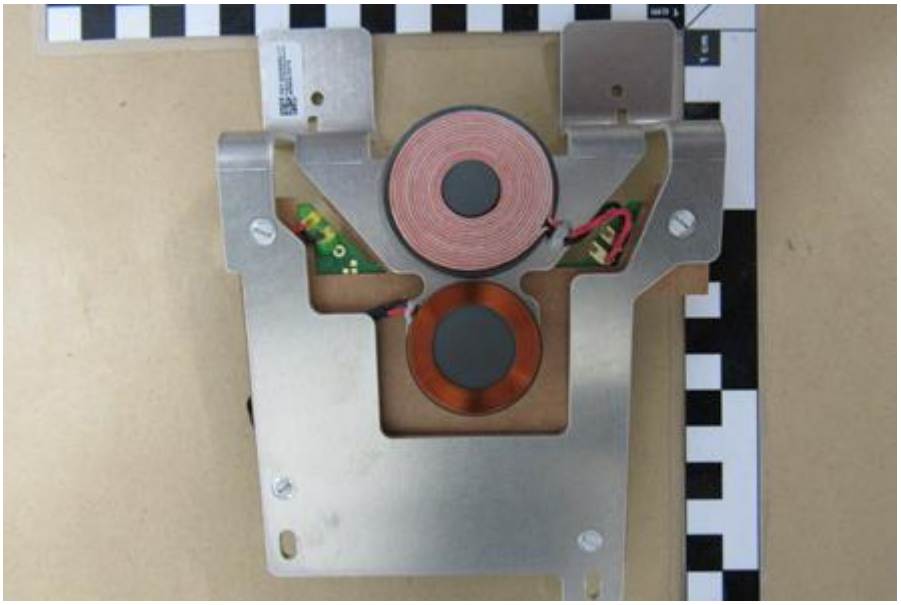
Name	Type	Attributes		Comment
POWER (Port of Master-Unit)	AC;DC	Count: Direction: Service only: Shielded:	1 IN No No	Adaptor 1 (without PE): DC line <2.50 m Adaptor 2 (with PE): AC line <2.40 m DC line <0.90 m
USB (Port of Master-Unit)	IO	Count: Direction: Service only: Shielded:	3 IO No Yes	Connected with USB-Stick
MICRO USB (Port of Master-Unit)	IO	Count: Direction: Service only: Shielded:	1 IO No Yes	Not connected
ETHERNET (Port of Master-Unit)	TP	Count: Direction: Service only: Shielded:	1 IO No Yes	Shielding on both sides
GAS (Port of Master-Unit)	NE	Count: Direction: Service only: Shielded:	8 IO No No	Not connected

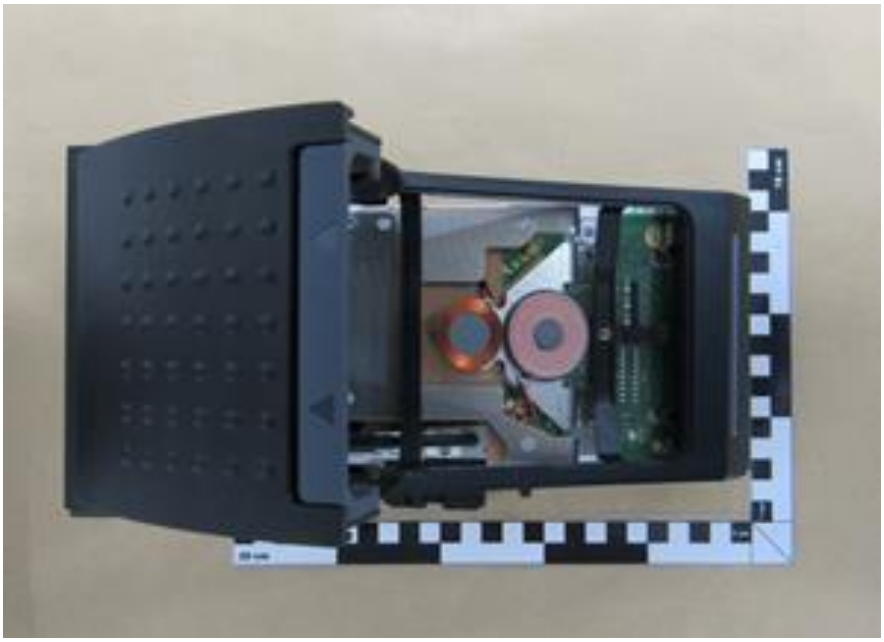
Description:	
AC	AC mains power input/output port
DC	DC power input/output port
IO	Input/Output port
TP	Telecommunication port
NE	Non electrical port

1.2 Equipment Photos - Internal

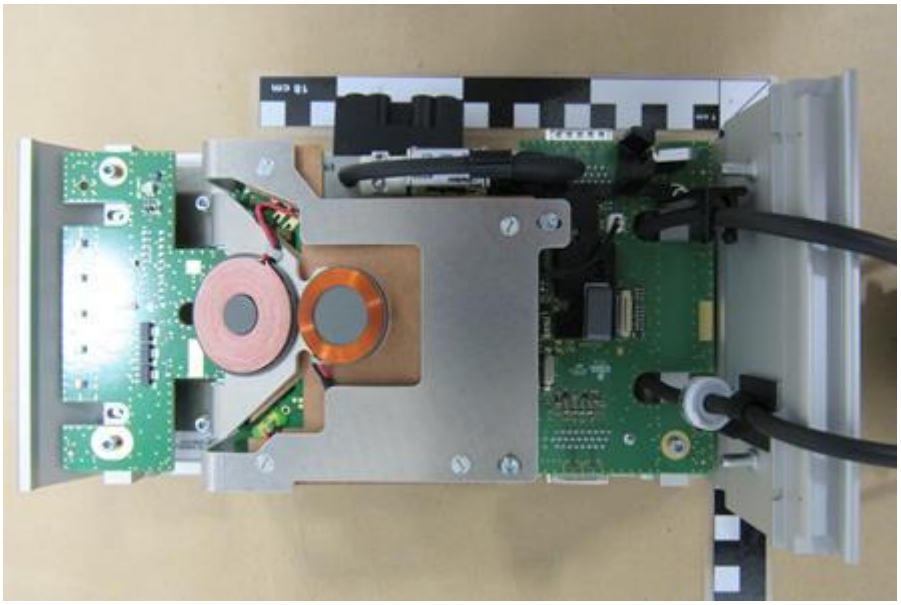
Coil PCB Bottom


Coil PCB Top


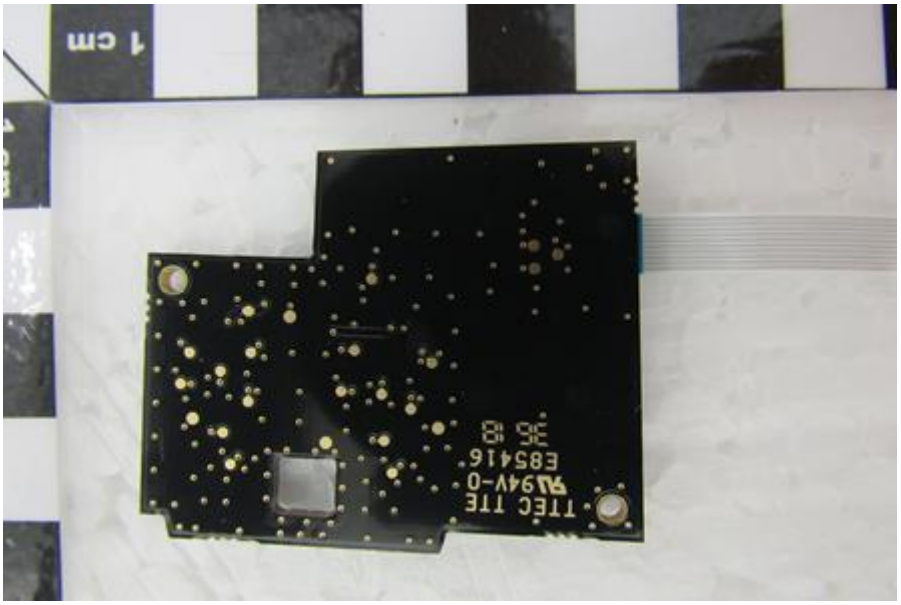
Power Coil and Communication Coil


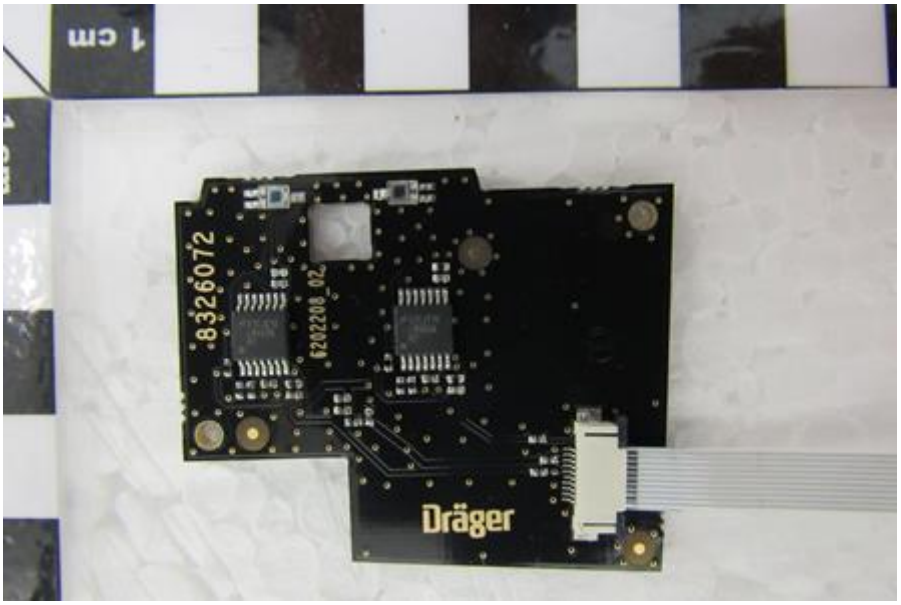
Inside View A


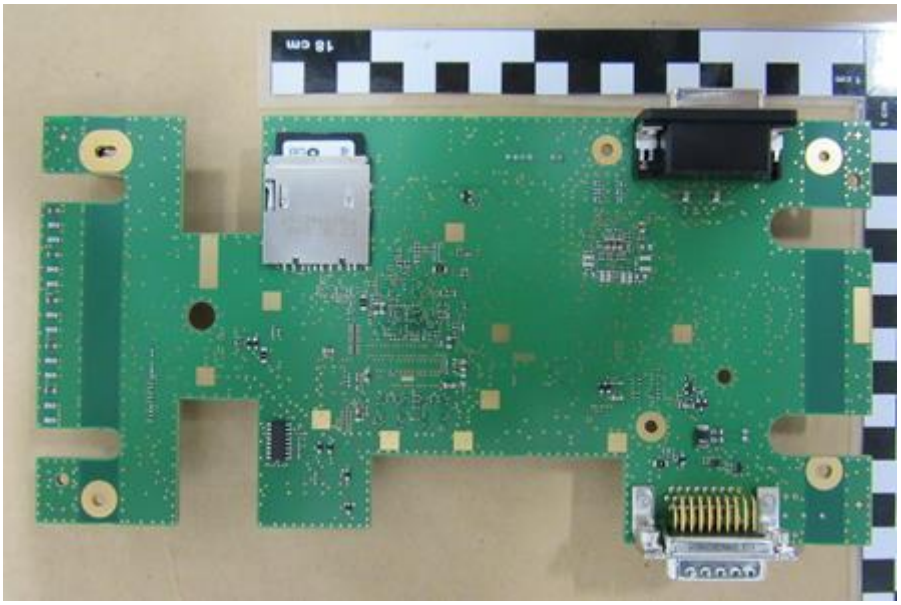
Inside View B

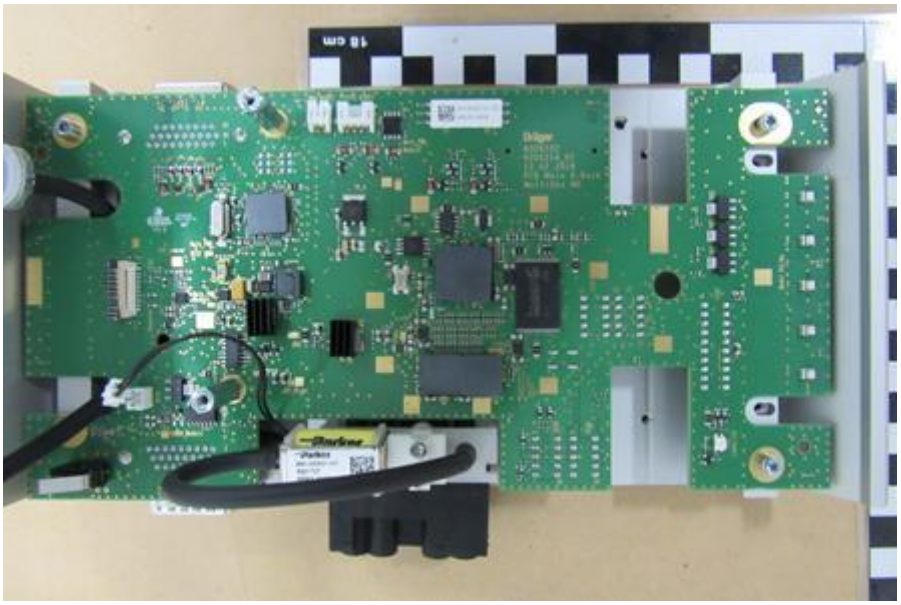


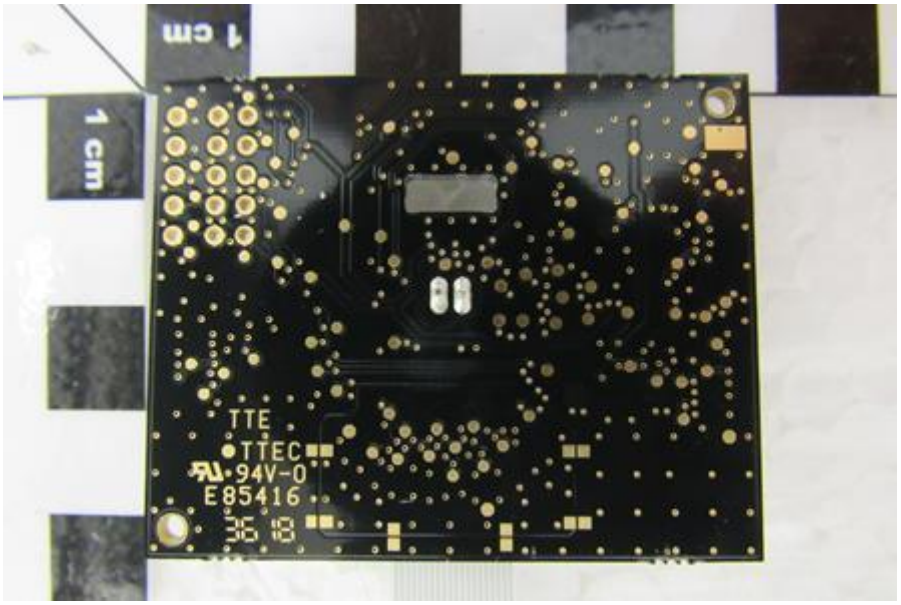
Inside View C

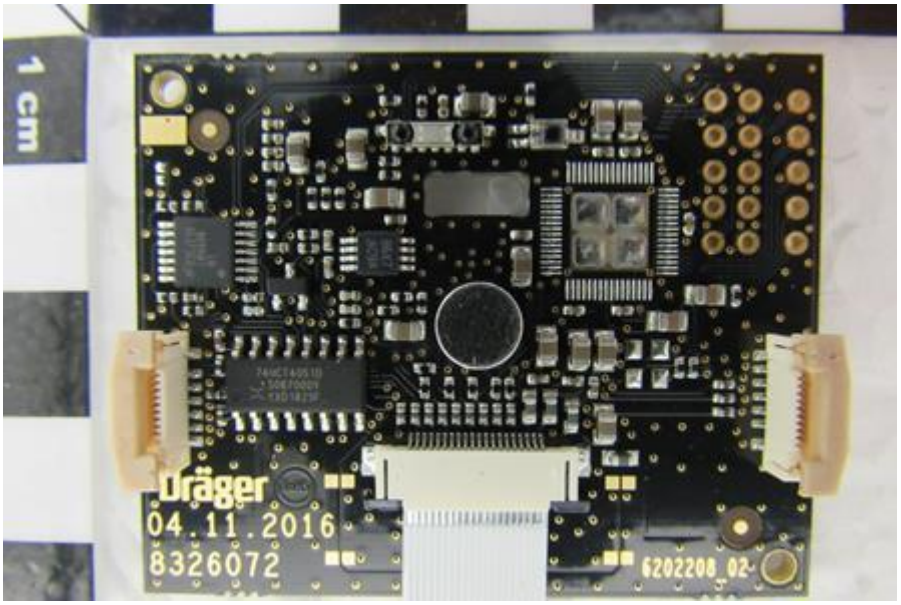
L-Sensor PCB Bottom


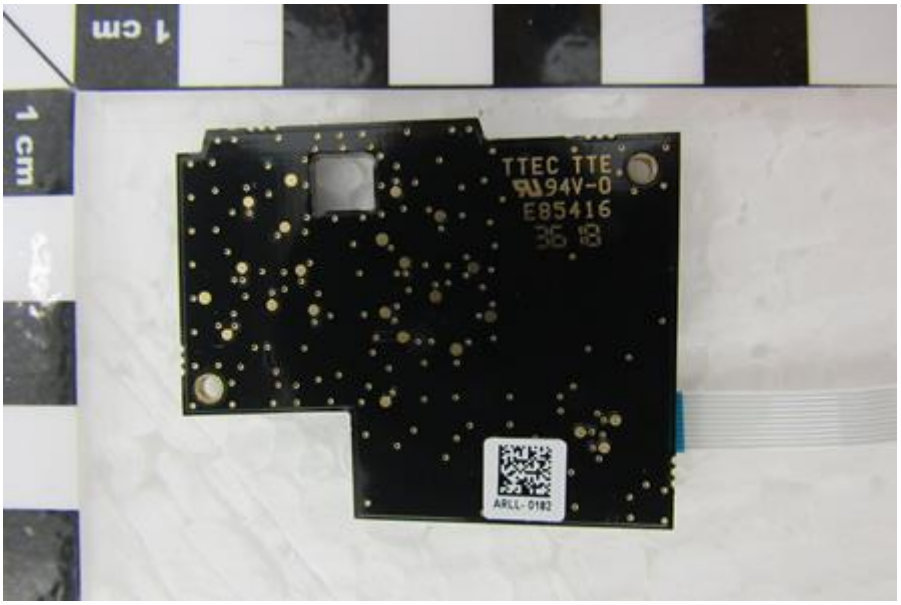
L-Sensor PCB Top


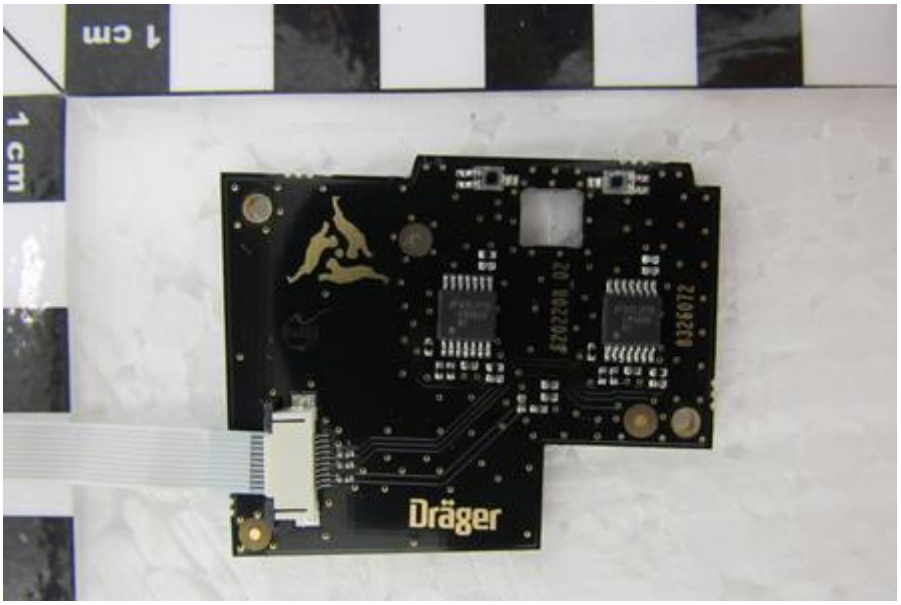
Main PCB Bottom


Main PCB Top


M-Sensor PCB Bottom


M-Sensor PCB Top


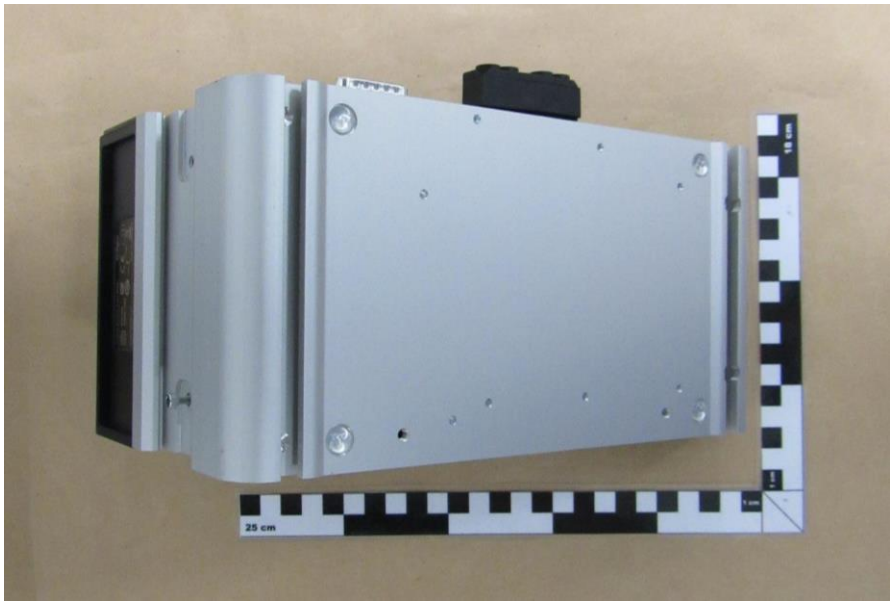
R-Sensor PCB Bottom


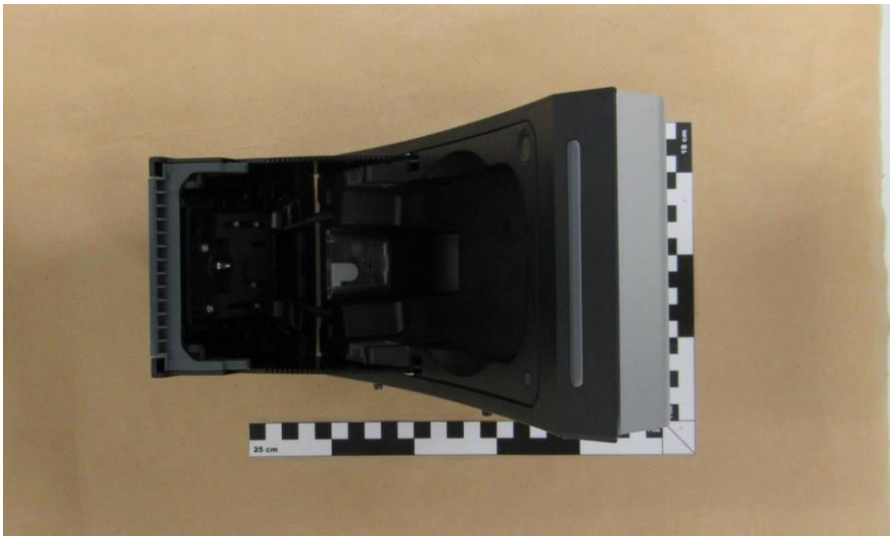
R-Sensor PCB Top


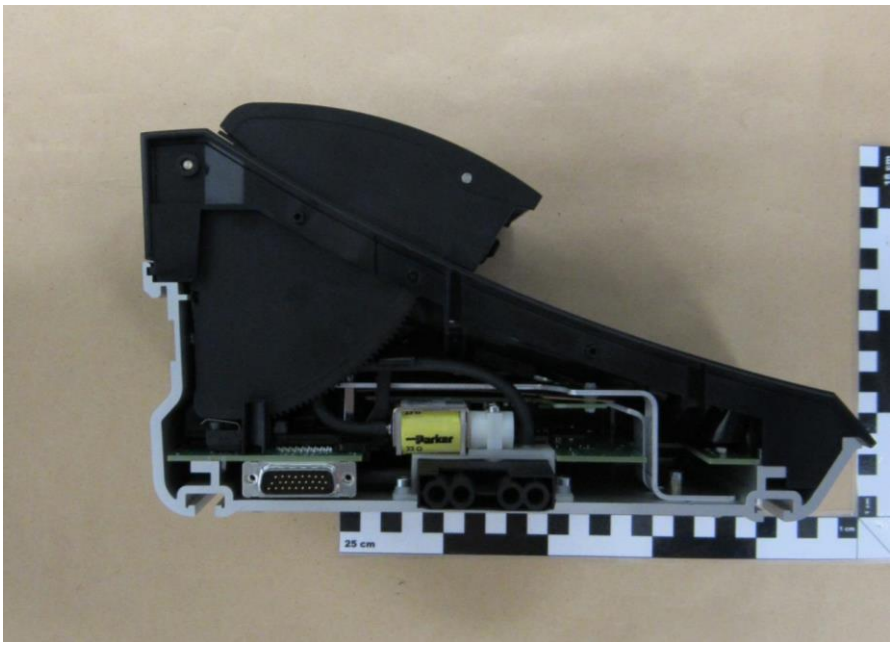
SD-Card


1.3 Equipment Photos - External

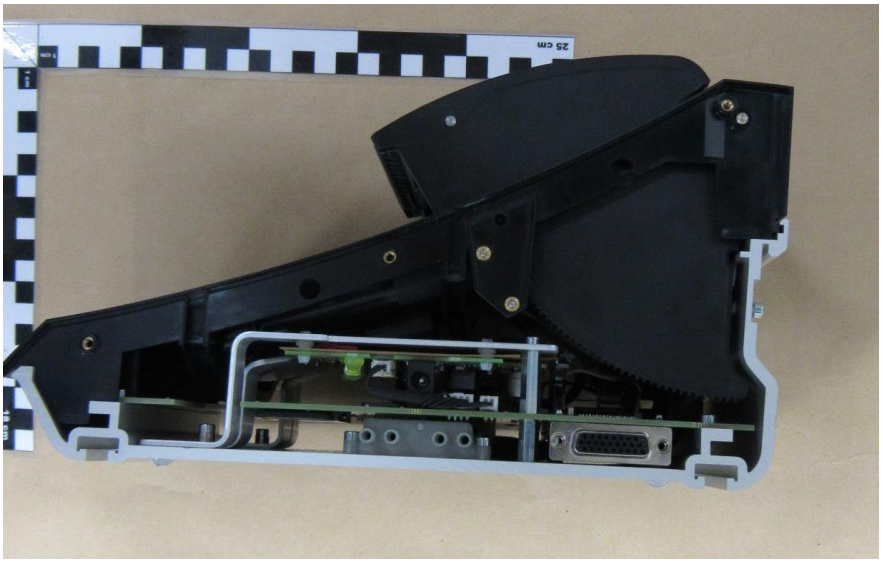
Top View


Bottom View


Front view


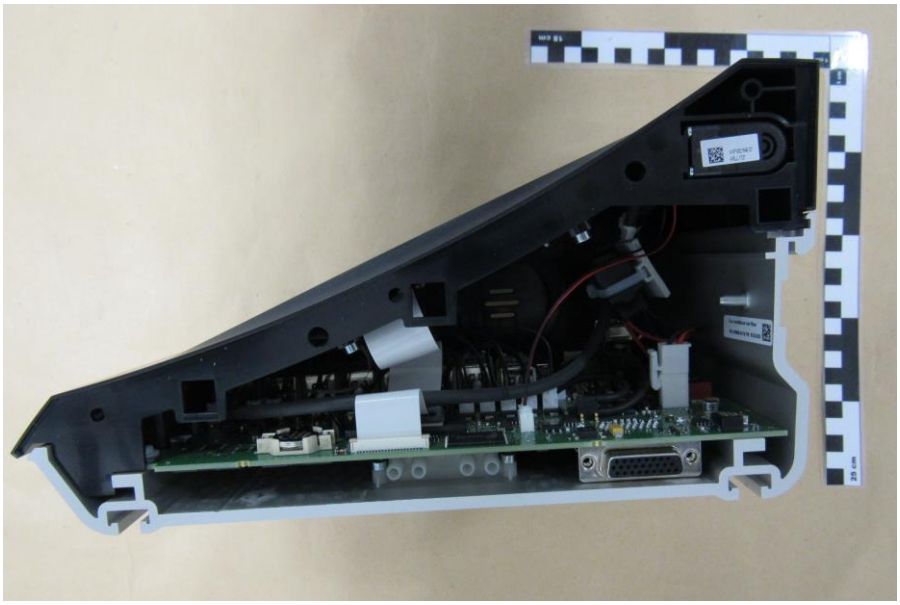
L-Side View


R-Side View



L-Side View

R-Side View

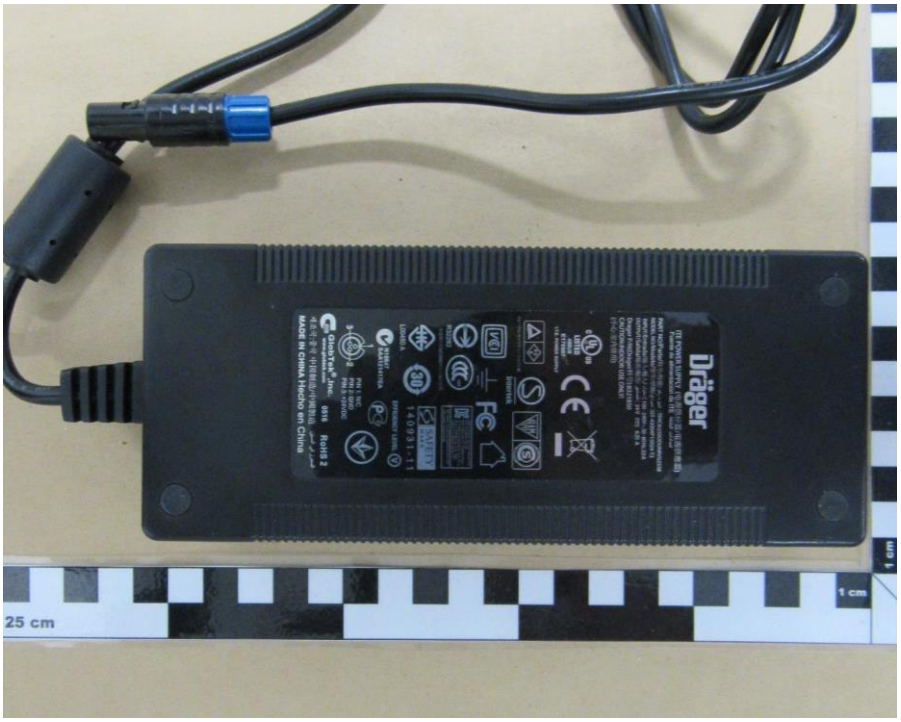


Top View With 1 Stackable Chargingdock

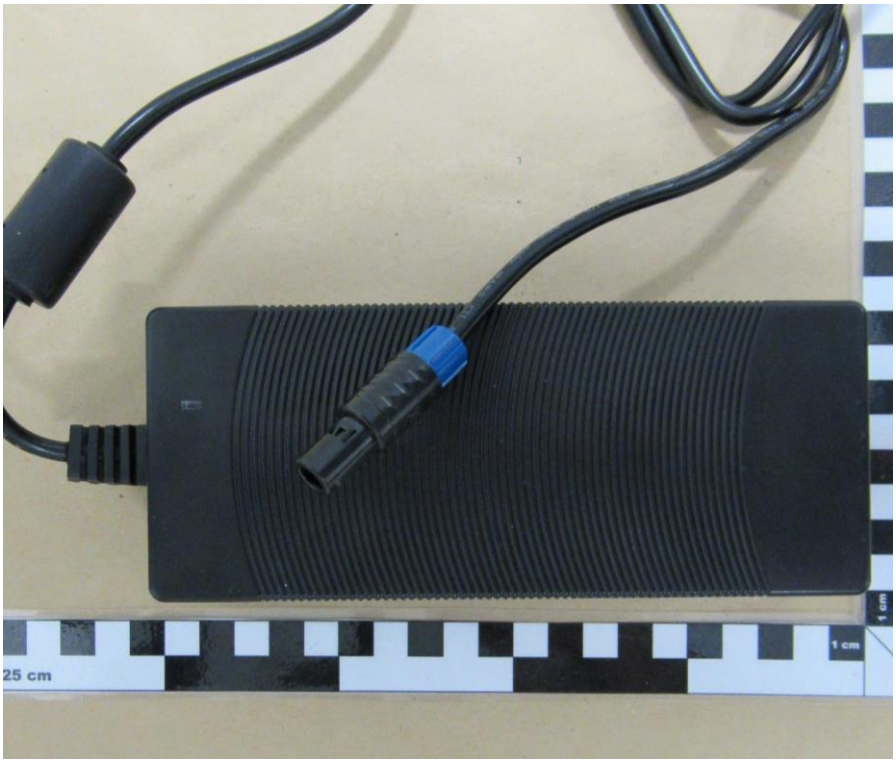
AC-DC-Adaptor 1 Bottom


AC-DC-Adaptor 1 Side


AC-DC-Adaptor 1 Top


AC-DC-Adaptor 2 Bottom


AC-DC-Adaptor 2 Side


AC-DC-Adaptor 2 Top


AC-DC-Adaptor Connector


X-am 8000 Bottom


X-am 8000 Side


X-am 8000 Top


1.4 Support Equipment

Product Type	Device	Manufacturer	Model	Comment
AE	Master-Unit	Dräger Safety	X-dock Master	-
AE	Gas detector	Dräger Safety	X-am 8000	Five Units
AE	Notebook	lenovo	X250	-
AE	USB-Stick	-	-	without cable
CBL	LAN-Cable	-	-	Cat. 6
Description:				
AE	Auxiliary Equipment			
SIM	Simulator			
MON	Monitoring Equipment			
CBL	Connecting Cable			
Comment:				

1.5 Operational Modes

Mode #	Description
1	EUT is in status “Charging” and LAN data connection
Comment: worst case mode	

1.6 EUT Configuration

Configuration #	Description
1	One EUT is connected with Master-Unit. Master-Unit is powered up and powered with 120 V / 60 Hz via AC/DC-Adaptor 1. Master-Unit powered EUT. Gas detector is inserted in EUT for charging. Notebook is connected with Master-Unit via LAN cable. USB-Stick is connected with Master-Unit.
2	Five EUTs are connected with Master-Unit. Master-Unit is powered up and powered with 120 V / 60 Hz via AC/DC-Adaptor 2. Master-Unit powered EUTs. Each Gas detector is inserted in EUT for charging. Notebook is connected with Master-Unit via LAN-cable. USB-Stick is connected with Master-Unit.
Comment:	

1.7 Sample emission level calculation

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

Reading:

This is the reading obtained on the spectrum analyser in dBµV. Any external preamplifiers used are taken into account through internal analyser 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 analyser. 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 Analyser (dBµV) + A.F. (dB/m) = Net field strength (dBµV/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:

Limit (dBµV/m) = 20*log (µV/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 18				
Reference	**Requirement**	**Reference Method**	**Result**	**Remarks**
Emission				
FCC 18.305	Radiated emissions	FCC MP-5:1986	PASS	-
FCC 18.307	AC power line conducted emissions	FCC MP-5:1986	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

2.1 Test Conditions and Results - Radiated emissions acc. to FCC MP-5

2.1.1 Information

Test Information	
Reference	FCC 18.305
Reference method	FCC MP-5:1986 Section 5
Highest internal frequency [MHz]	0.142
Measurement range	9 kHz to 1 GHz
Temperature [°C]	21
Humidity [%]	28
Operator	Stephan Liebich
Date	2020-02-12

2.1.2 Equipment

Test Software			
Description	Manufacturer	Name	Version
EMC Software	DARE Instruments	Radimation	2016.1.10

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Anechoic chamber	Frankonia	AC1	EF00062	2018-07	2021-07
EMI Test Receiver	Keysight	N9038A-526/WXP	EF01070	2019-09	2020-09
Loop antenna	Rohde & Schwarz Vertriebs GmbH	HFH2-Z2	EF00184	2017-12	2020-12
Biconical Antenna	R&S	HK 116	EF00030	2019-04	2022-04
LPD Antenna	R&S	HL 223	EF00187	2019-05	2022-05
Climatic Sensor	Embedded Data Systems, LLC.	2800100000254 17E	EF01054	2019-05	2020-05

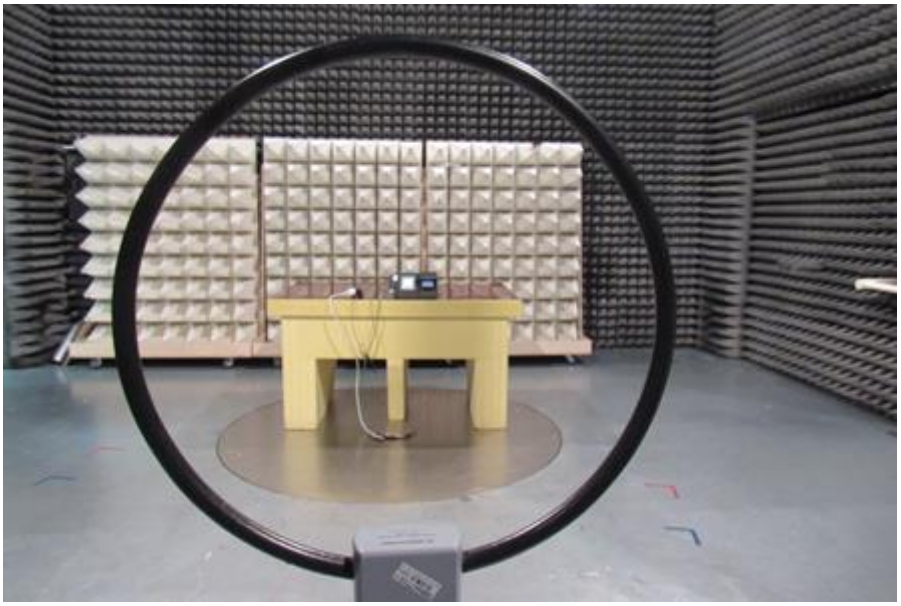
2.1.3 Limits

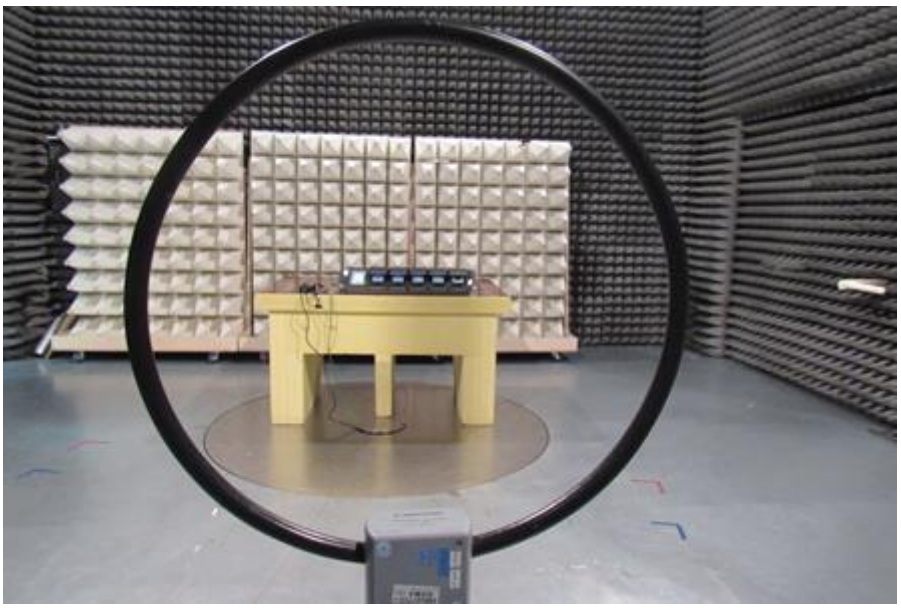
Limits					
Frequency [MHz]	Bandwidth	Detector	Limit [µV/m]	Limit [dBµV/m]	Distance [m]
< 0.15	200 Hz	Average	15	23.5	300
0.15 - 30	9 kHz	Average	15	23.5	300
30 - 1000	100 kHz	Average	15	23.5	300
> 1000	1 MHz	Average	15	23.5	300

2.1.4 Results

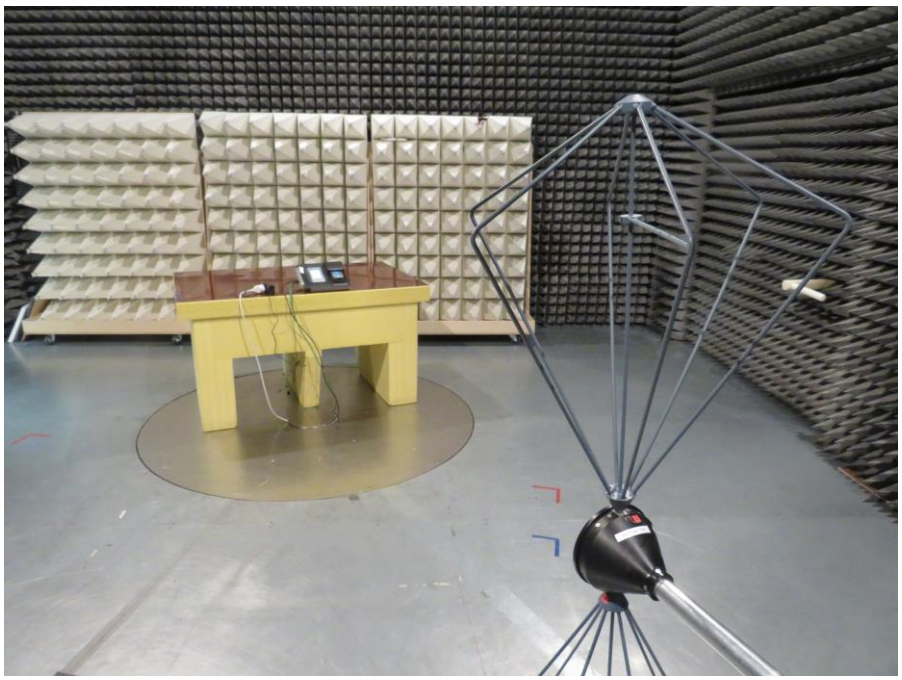
Test Results			
Operational mode	EUT Configuration	Verdict	Remark
1	1	PASS	-
1	2	PASS	-

2.1.5 Setup Photos

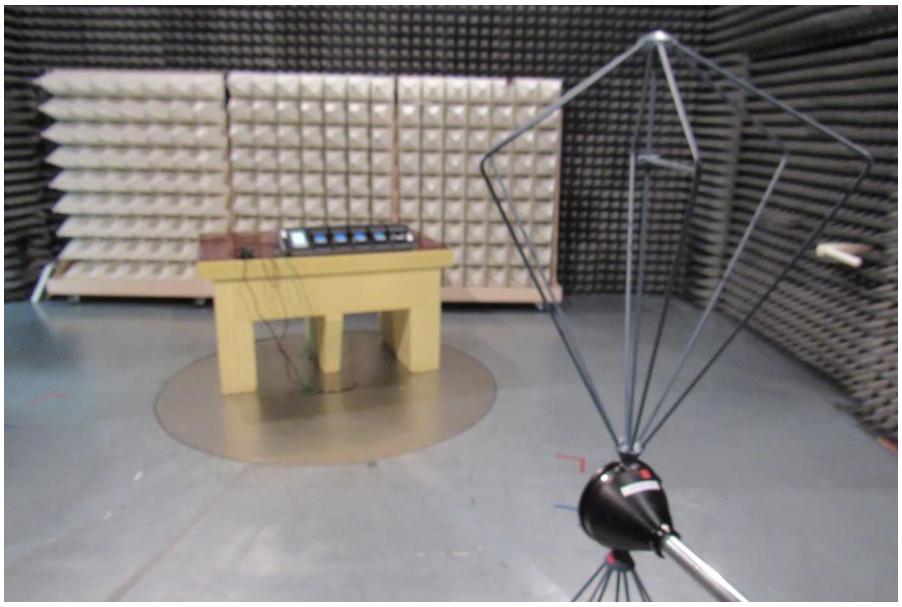
TEST SETUP1 EUT CONFIGURATION 1 RADIATED EMISSION


TEST SETUP 1 EUT CONFIGURATION 2 RADIATED EMISSION


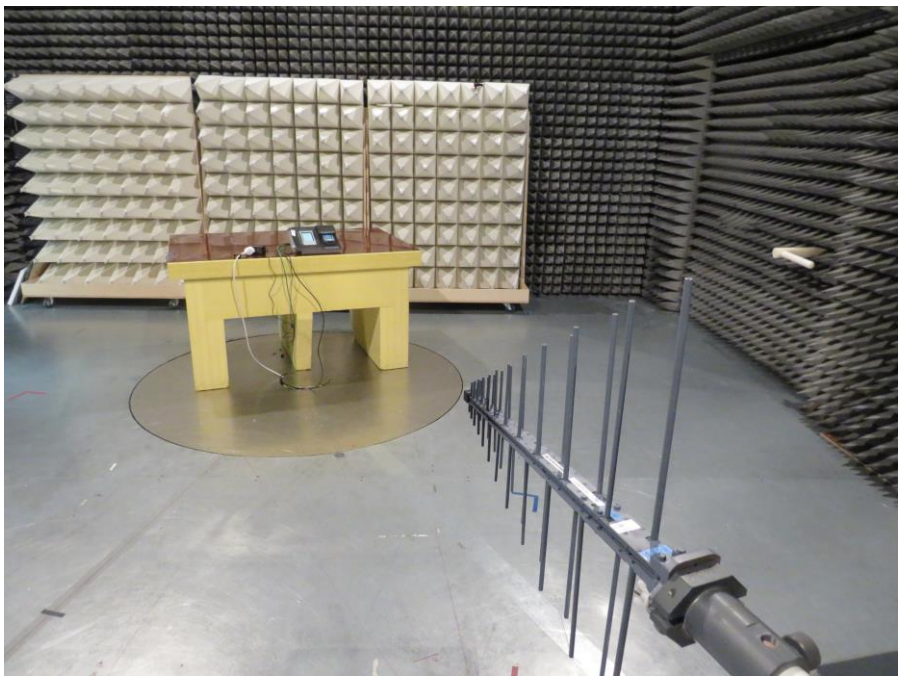
TEST SETUP 2 EUT CONFIGURATION 1 RADIATED EMISSION



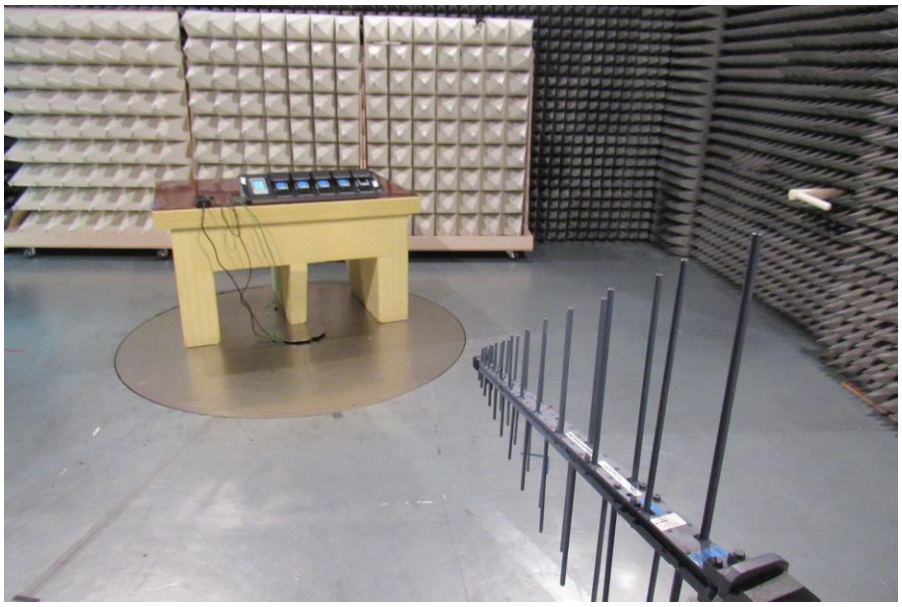
TEST SETUP 2 EUT CONFIGURATION 2 RADIATED EMISSION



TEST SETUP 3 EUT CONFIGURATION 1 RADIATED EMISSION



TEST SETUP 3 EUT CONFIGURATION 2 RADIATED EMISSION



TEST SETUP FOCUS EUT CONFIGURATION 1 RADIATED EMISSION

TEST SETUP FOCUS EUT CONFIGURATION 2 RADIATED EMISSION

2.1.6 Records

Radiated emissions according to FCC part 18

Project Number:	G0M-1904-8188
Applicant:	Dräger Safety AG & Co. KGaA
Model Description:	Bump test station for calibration of X-am 8000
Model:	X-dock Module X-am 8000+
Test Sample ID:	25418
Test Site:	Eurofins Product Service Germany
Operator:	Mr. Liebich
Test Date:	2020-02-12
Operating Conditions:	ambient temperature: 21°C power input: 120 V / 60 Hz (AC/DC-Adaptor 1)
Antenna:	Rohde & Schwarz HFH 2-Z2, x-Axis
Measurement Distance:	3m, converted to 300m
Mode:	1
Note 1:	EUT CONFIGURATION 1

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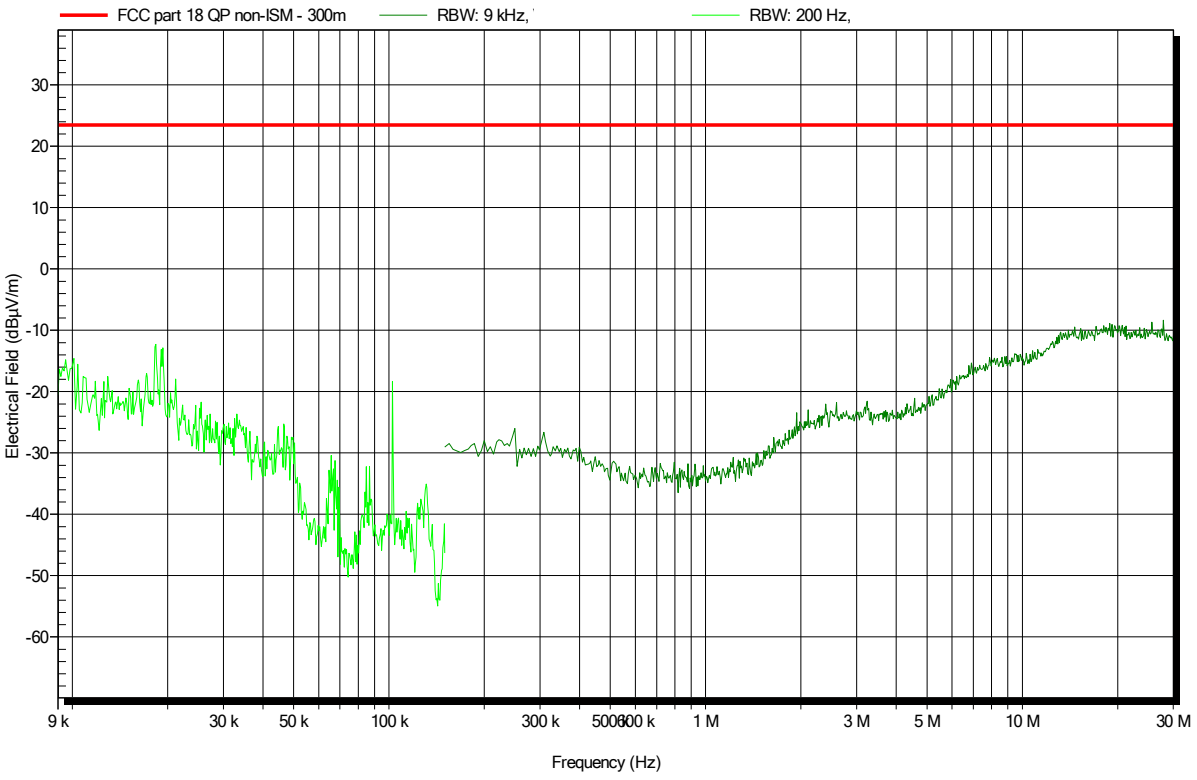

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Test Date:	2020-02-12
Operating Conditions:	ambient temperature: 21°C power input: 120 V / 60 Hz (AC/DC-Adaptor 1)
Antenna:	Rohde & Schwarz HFH 2-Z2, y-Axis
Measurement Distance:	3m, converted to 300m
Mode:	1
Note 1:	EUT CONFIGURATION 1

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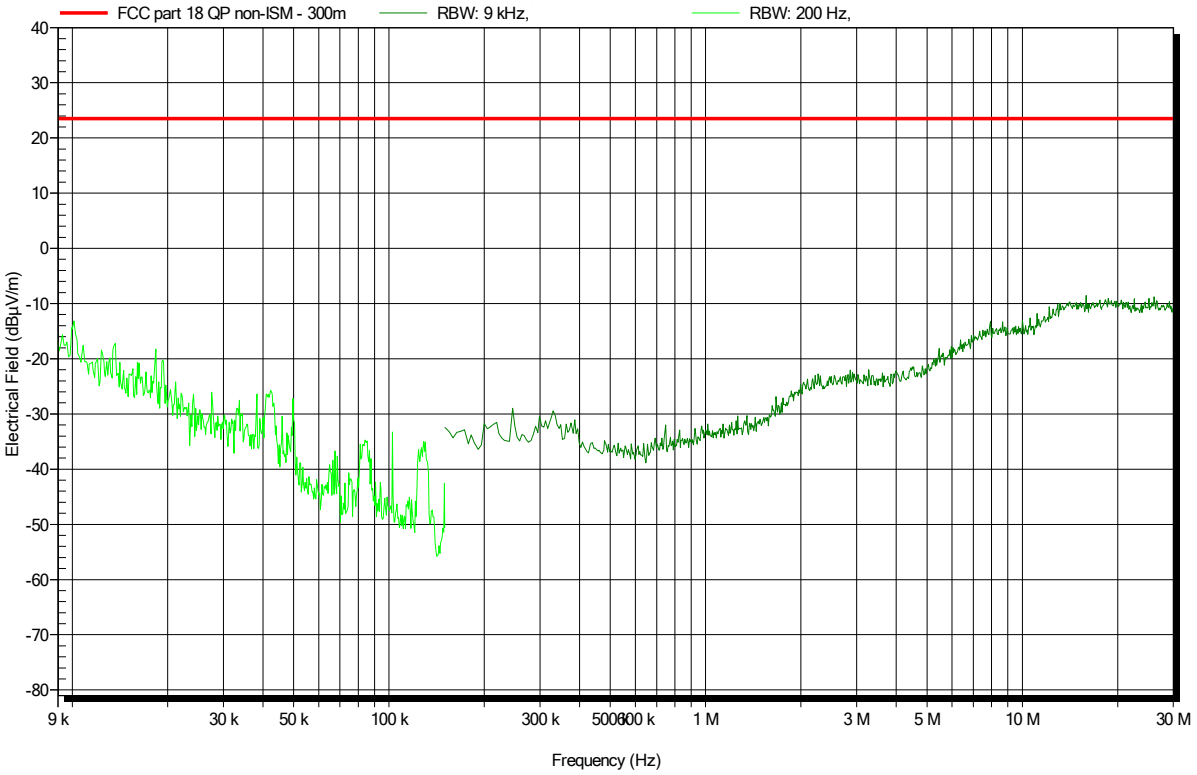

Radiated emissions according to FCC part 18

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Test Site:	Eurofins Product Service Germany
Operator:	Mr. Liebich
Test Date:	2020-02-12
Operating Conditions:	ambient temperature: 21°C power input: 120 V / 60 Hz (AC/DC-Adaptor 1)
Antenna:	Rohde & Schwarz HFH 2-Z2, z-Axis
Measurement Distance:	3m, converted to 300m
Mode:	1
Note 1:	EUT CONFIGURATION 1

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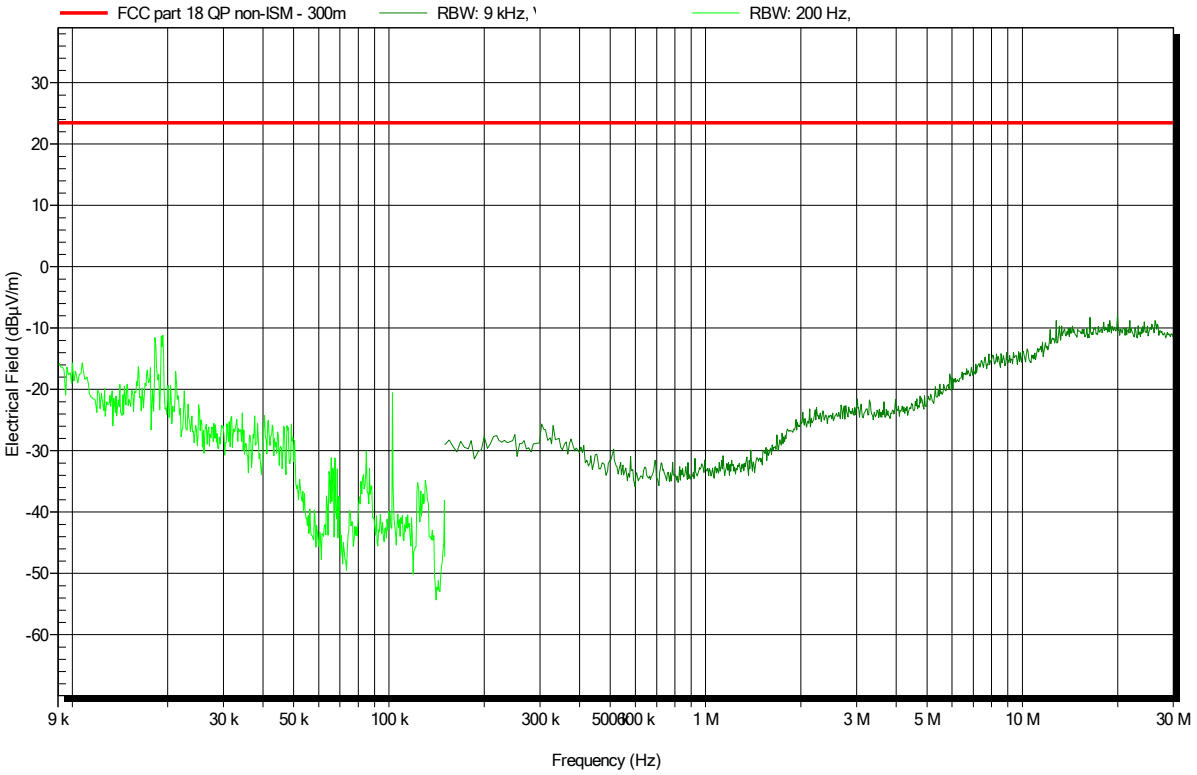

Radiated emissions according to FCC part 18

Project Number:	G0M-1904-8188
Applicant:	Dräger Safety AG & Co. KGaA
Model Description:	Bump test station for calibration of X-am 8000
Model:	X-dock Module X-am 8000+
Test Sample ID:	25418 + 25419
Test Site:	Eurofins Product Service Germany
Operator:	Mr. Liebich
Test Date:	2020-02-12
Operating Conditions:	ambient temperature: 21°C power input: 120 V / 60 Hz (AC/DC-Adaptor 2)
Antenna:	Rohde & Schwarz HFH 2-Z2, x-Axis
Measurement Distance:	3m, converted to 300m
Mode:	1
Note 1:	EUT CONFIGURATION 2

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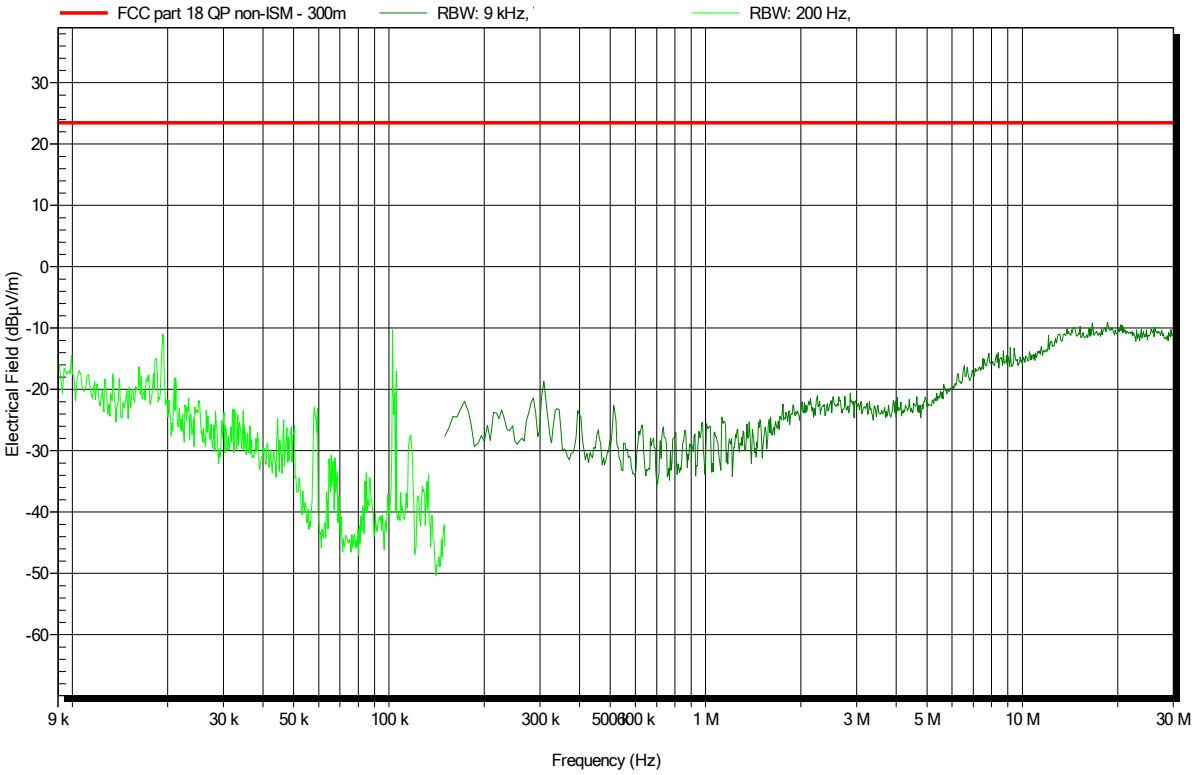

Radiated emissions
according to FCC part 18

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Test Sample ID:	25418 + 25419
Test Site:	Eurofins Product Service Germany
Operator:	Mr. Liebich
Test Date:	2020-02-12
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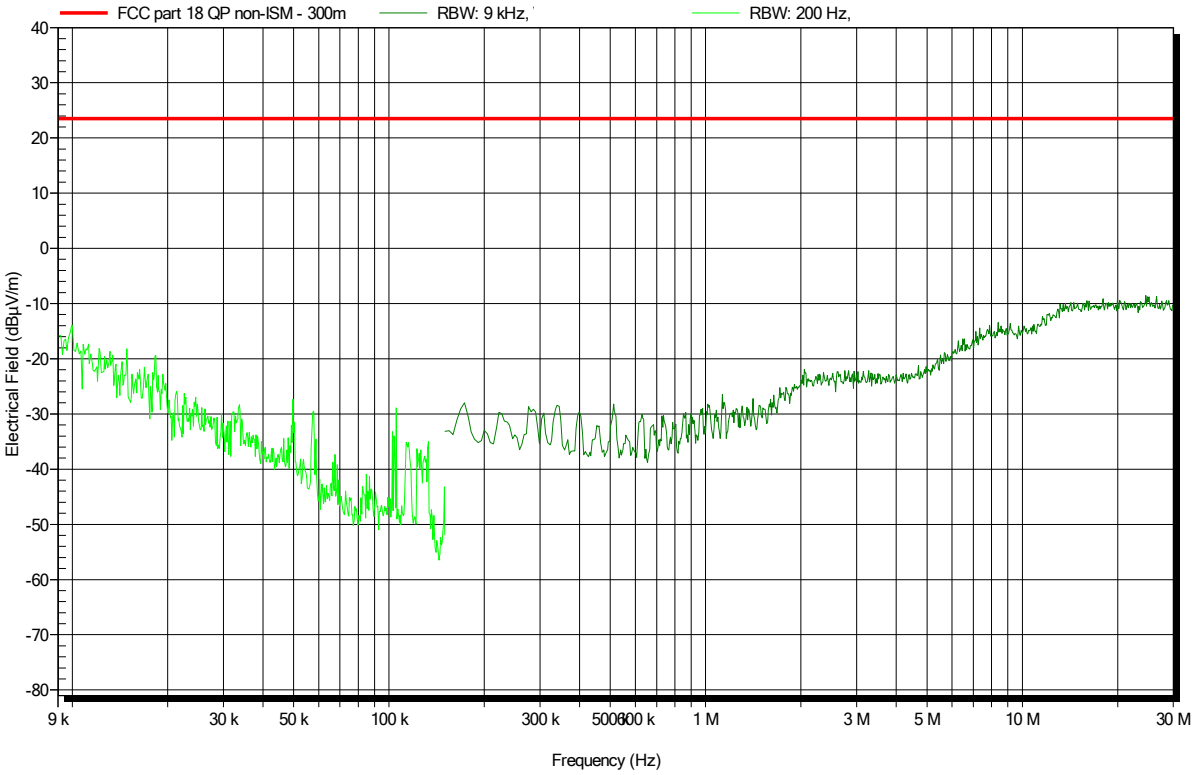
Antenna:	Rohde & Schwarz HFH 2-Z2, y-Axis
Measurement Distance:	3m, converted to 300m
Mode:	1
Note 1:	EUT CONFIGURATION 2

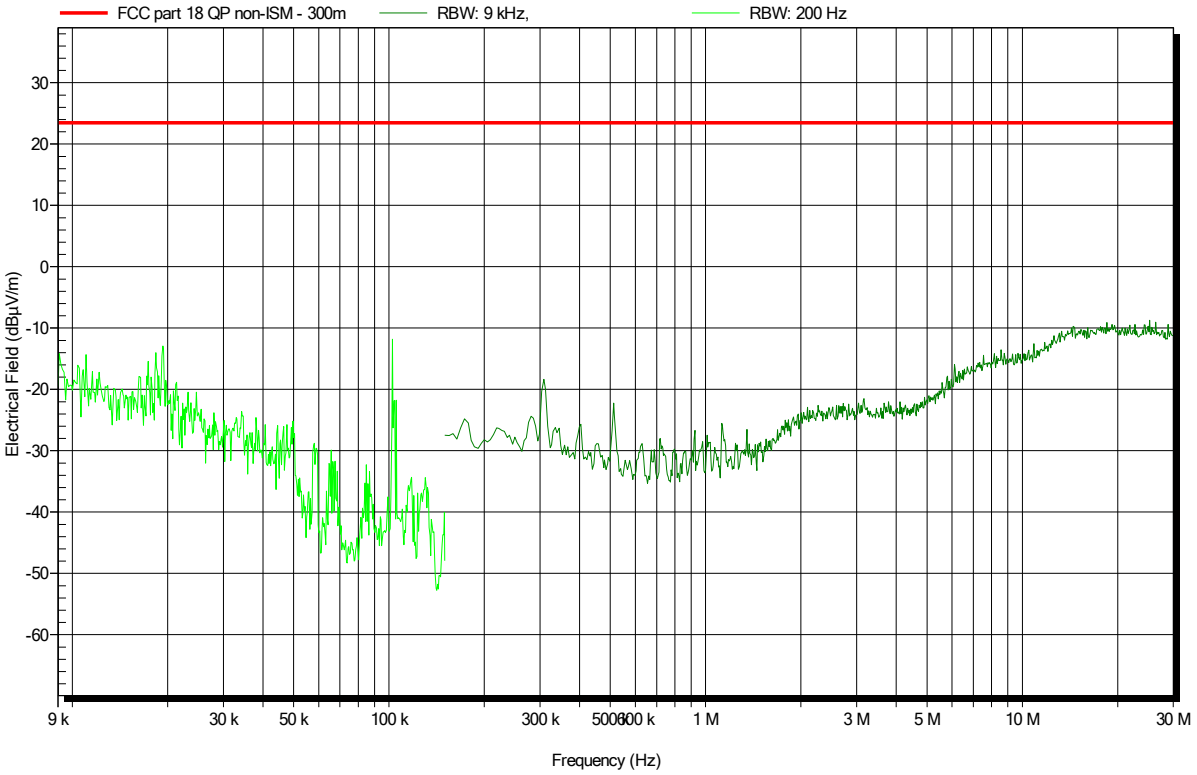
Index 39



Radiated emissions according to FCC part 18

Project Number:	G0M-1904-8188
Applicant:	Dräger Safety AG & Co. KGaA
Model Description:	Bump test station for calibration of X-am 8000
Model:	X-dock Module X-am 8000+
Test Sample ID:	25418 + 25419
Test Site:	Eurofins Product Service Germany
Operator:	Mr. Liebich
Test Date:	2020-02-12
Operating Conditions:	ambient temperature: 21°C power input: 120 V / 60 Hz (AC/DC-Adaptor 2)
Antenna:	Rohde & Schwarz HFH 2-Z2, z-Axis
Measurement Distance:	3m, converted to 300m
Mode:	1
Note 1:	EUT CONFIGURATION 2

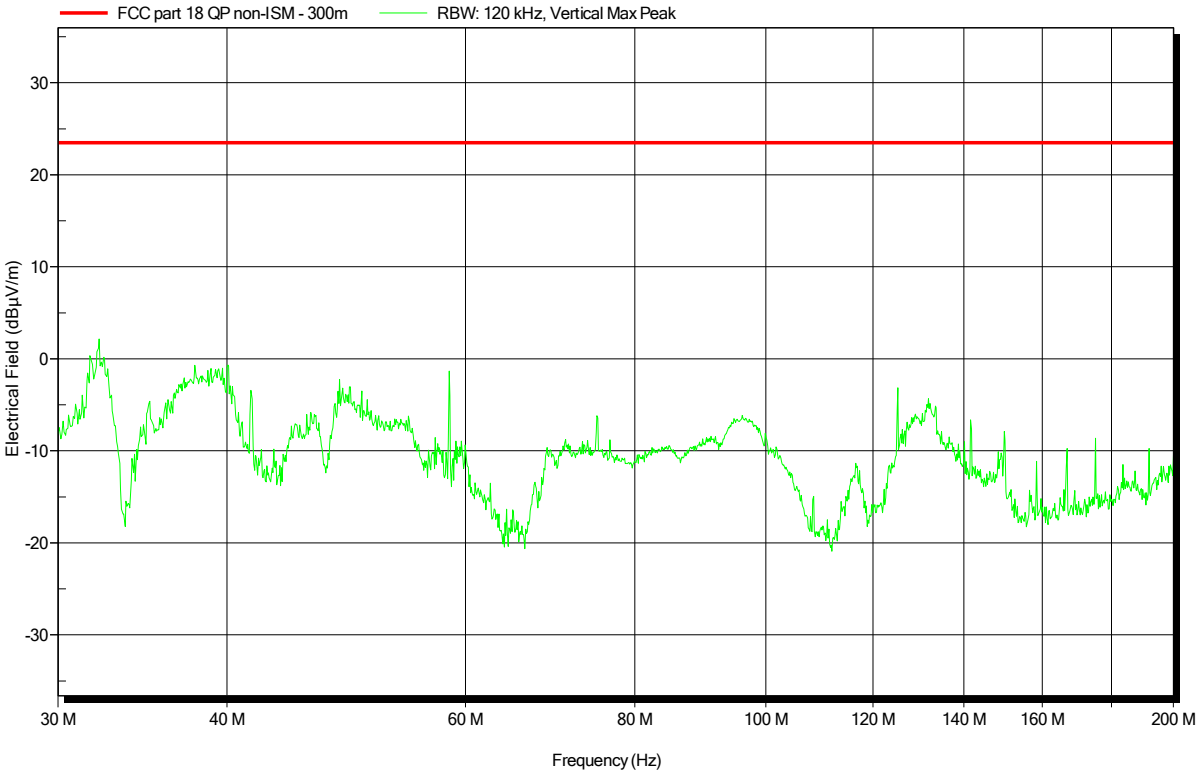
Index 38



Radiated emissions according to FCC part 18

Project Number:	G0M-1904-8188
Applicant:	Dräger Safety AG & Co. KGaA
Model Description:	Bump test station for calibration of X-am 8000
Model:	X-dock Module X-am 8000+
Test Sample ID:	25418
Test Site:	Eurofins Product Service Germany
Operator:	Mr. Liebich
Test Date:	2020-01-29
Operating Conditions:	ambient temperature: 22°C power input: 120 V / 60 Hz (AC/DC-Adaptor 1)
Antenna:	Rohde & Schwarz HK 116, Vertical
Measurement Distance:	3m, converted to 300m
Mode:	1
Note 1:	EUT CONFIGURATION 1

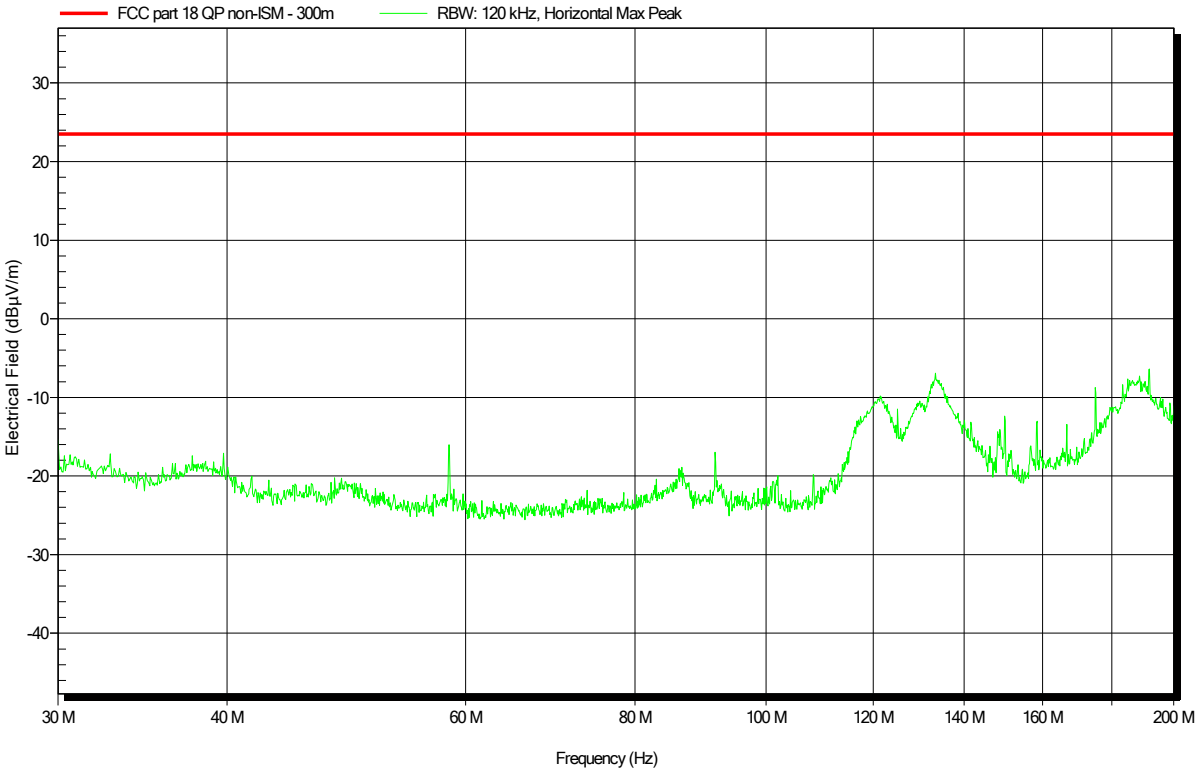
Index 2



Radiated emissions according to FCC part 18

Project Number:	G0M-1904-8188
Applicant:	Dräger Safety AG & Co. KGaA
Model Description:	Bump test station for calibration of X-am 8000
Model:	X-dock Module X-am 8000+
Test Sample ID:	25418
Test Site:	Eurofins Product Service Germany
Operator:	Mr. Liebich
Test Date:	2020-01-29
Operating Conditions:	ambient temperature: 22°C power input: 120 V / 60 Hz (AC/DC-Adaptor 1)
Antenna:	Rohde & Schwarz HK 116, Horizontal
Measurement Distance:	3m, converted to 300m
Mode:	1
Note 1:	EUT CONFIGURATION 1

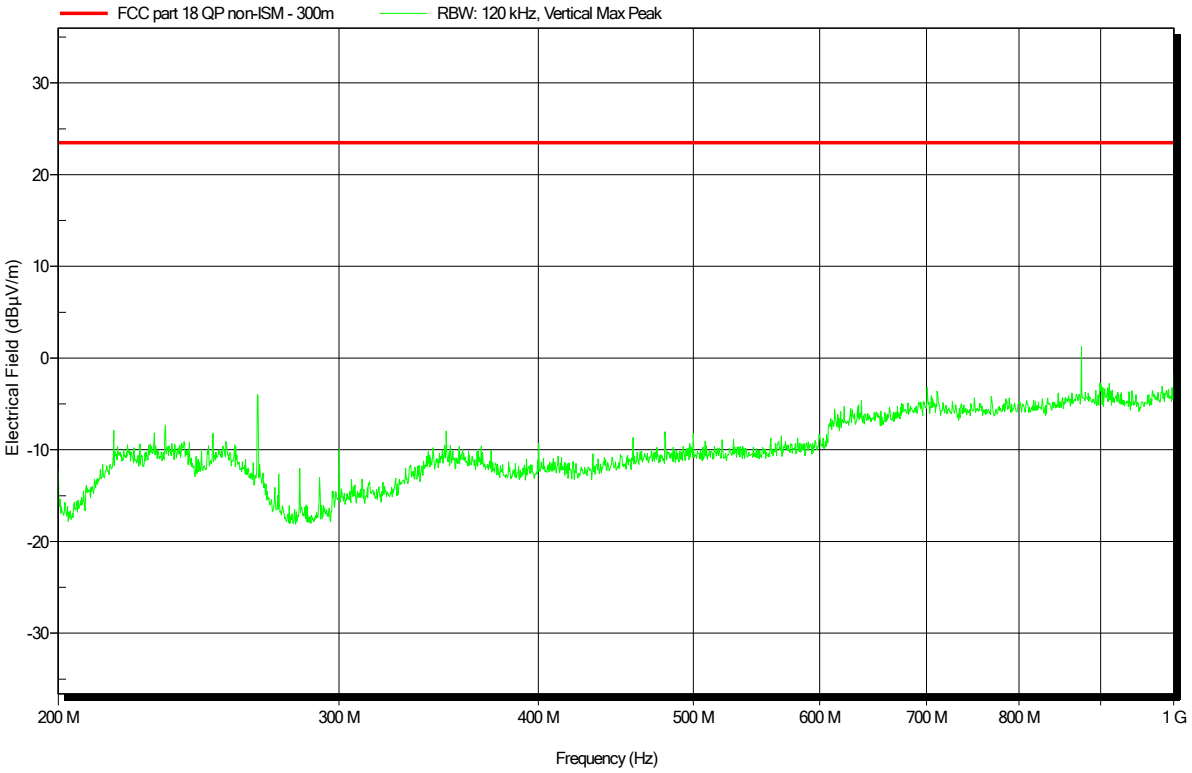
Index 3



Radiated emissions according to FCC part 18

Project Number:	G0M-1904-8188
Applicant:	Dräger Safety AG & Co. KGaA
Model Description:	Bump test station for calibration of X-am 8000
Model:	X-dock Module X-am 8000+
Test Sample ID:	25418
Test Site:	Eurofins Product Service Germany
Operator:	Mr. Liebich
Test Date:	2020-01-29
Operating Conditions:	ambient temperature: 22°C power input: 120 V / 60 Hz (AC/DC-Adaptor 1)
Antenna:	Rohde & Schwarz HL 223, Vertical
Measurement Distance:	3m, converted to 300m
Mode:	1
Note 1:	EUT CONFIGURATION 1

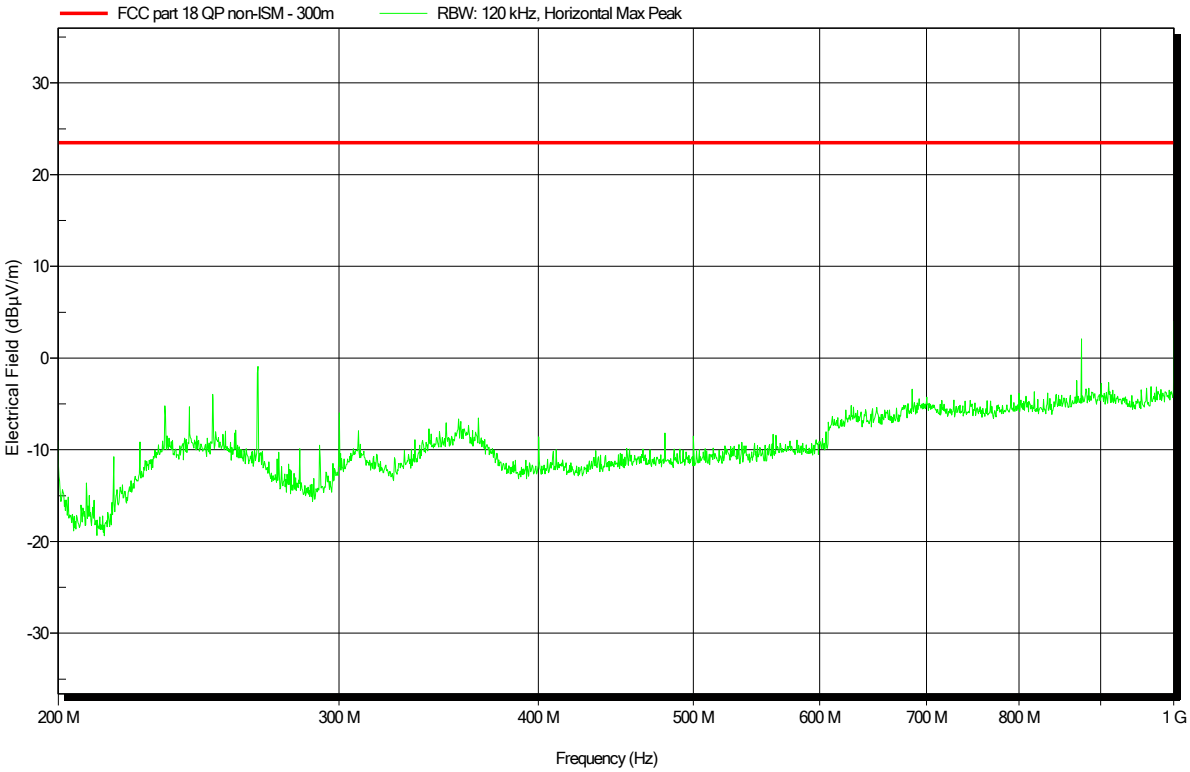
Index 6



Radiated emissions according to FCC part 18

Project Number:	G0M-1904-8188
Applicant:	Dräger Safety AG & Co. KGaA
Model Description:	Bump test station for calibration of X-am 8000
Model:	X-dock Module X-am 8000+
Test Sample ID:	25418
Test Site:	Eurofins Product Service Germany
Operator:	Mr. Liebich
Test Date:	2020-01-29
Operating Conditions:	ambient temperature: 22°C power input: 120 V / 60 Hz (AC/DC-Adaptor 1)
Antenna:	Rohde & Schwarz HL 223, Horizontal
Measurement Distance:	3m, converted to 300m
Mode:	1
Note 1:	EUT CONFIGURATION 1

Index 7



Radiated emissions according to FCC part 18

Project Number:	G0M-1904-8188
Applicant:	Dräger Safety AG & Co. KGaA
Model Description:	Bump test station for calibration of X-am 8000
Model:	X-dock Module X-am 8000+
Test Sample ID:	25419
Test Site:	Eurofins Product Service Germany
Operator:	Mr. Liebich
Test Date:	2020-01-29
Operating Conditions:	ambient temperature: 22°C power input: 120 V / 60 Hz (AC/DC-Adaptor 2)
Antenna:	Rohde & Schwarz HK 116, Vertical
Measurement Distance:	3m, converted to 300m
Mode:	1
Note 1:	EUT CONFIGURATION 2

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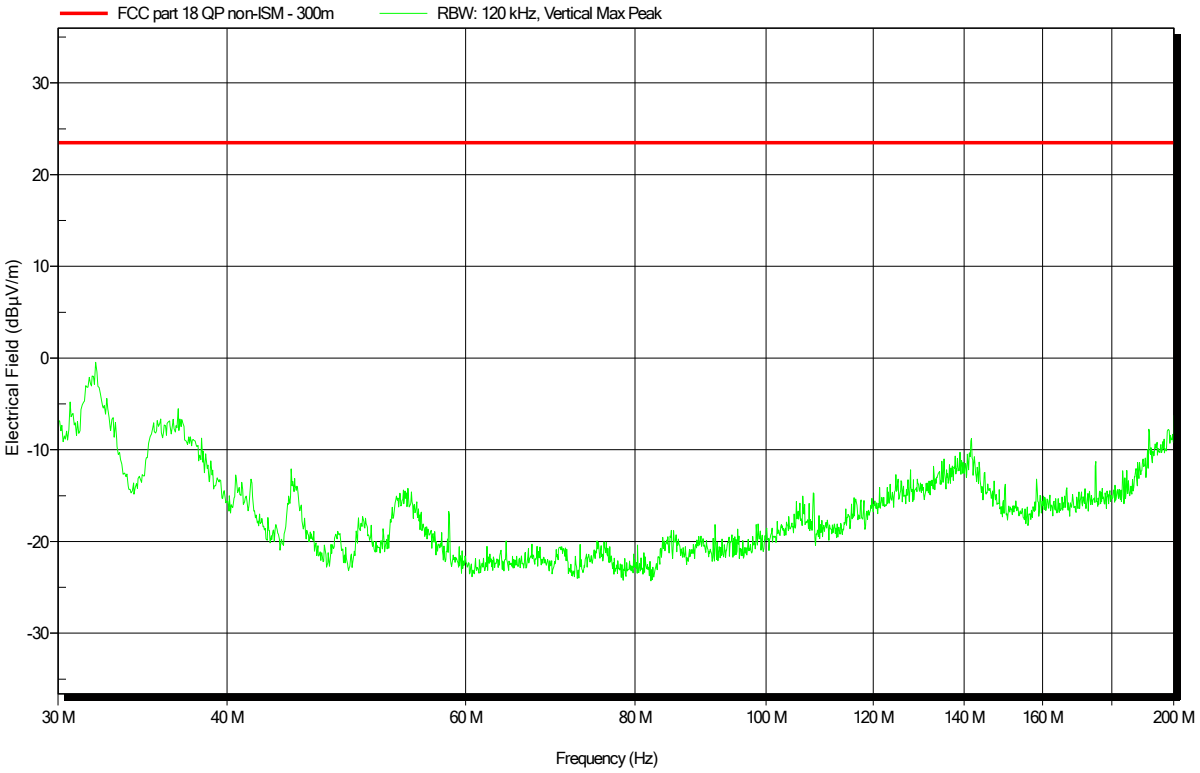

Radiated emissions according to FCC part 18

Project Number:	G0M-1904-8188
Applicant:	Dräger Safety AG & Co. KGaA
Model Description:	Bump test station for calibration of X-am 8000
Model:	X-dock Module X-am 8000+
Test Sample ID:	25419
Test Site:	Eurofins Product Service Germany
Operator:	Mr. Liebich
Test Date:	2020-01-29
Operating Conditions:	ambient temperature: 22°C power input: 120 V / 60 Hz (AC/DC-Adaptor 2)
Antenna:	Rohde & Schwarz HK 116, Horizontal
Measurement Distance:	3m, converted to 300m
Mode:	1
Note 1:	EUT CONFIGURATION 2

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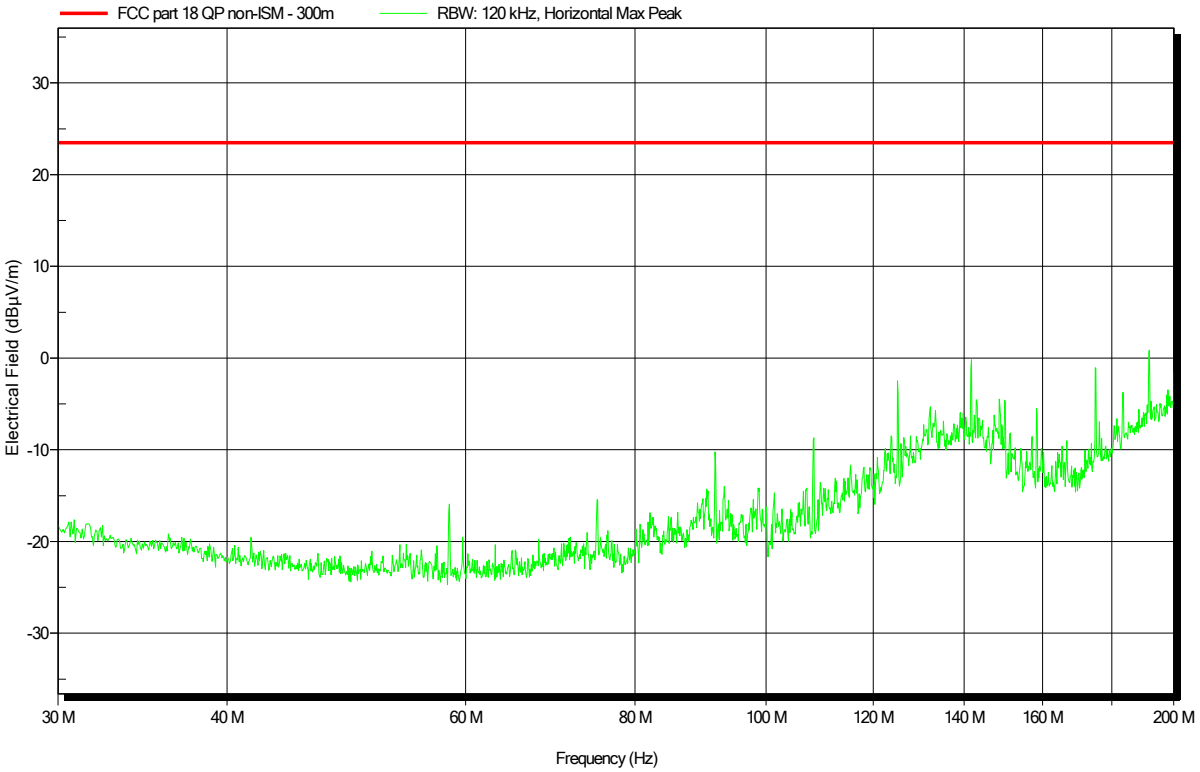

Radiated emissions according to FCC part 18

Project Number:	G0M-1904-8188
Applicant:	Dräger Safety AG & Co. KGaA
Model Description:	Bump test station for calibration of X-am 8000
Model:	X-dock Module X-am 8000+
Test Sample ID:	25419
Test Site:	Eurofins Product Service Germany
Operator:	Mr. Liebich
Test Date:	2020-01-29
Operating Conditions:	ambient temperature: 22°C power input: 120 V / 60 Hz (AC/DC-Adaptor 2)
Antenna:	Rohde & Schwarz HL 223, Vertical
Measurement Distance:	3m, converted to 300m
Mode:	1
Note 1:	EUT CONFIGURATION 2

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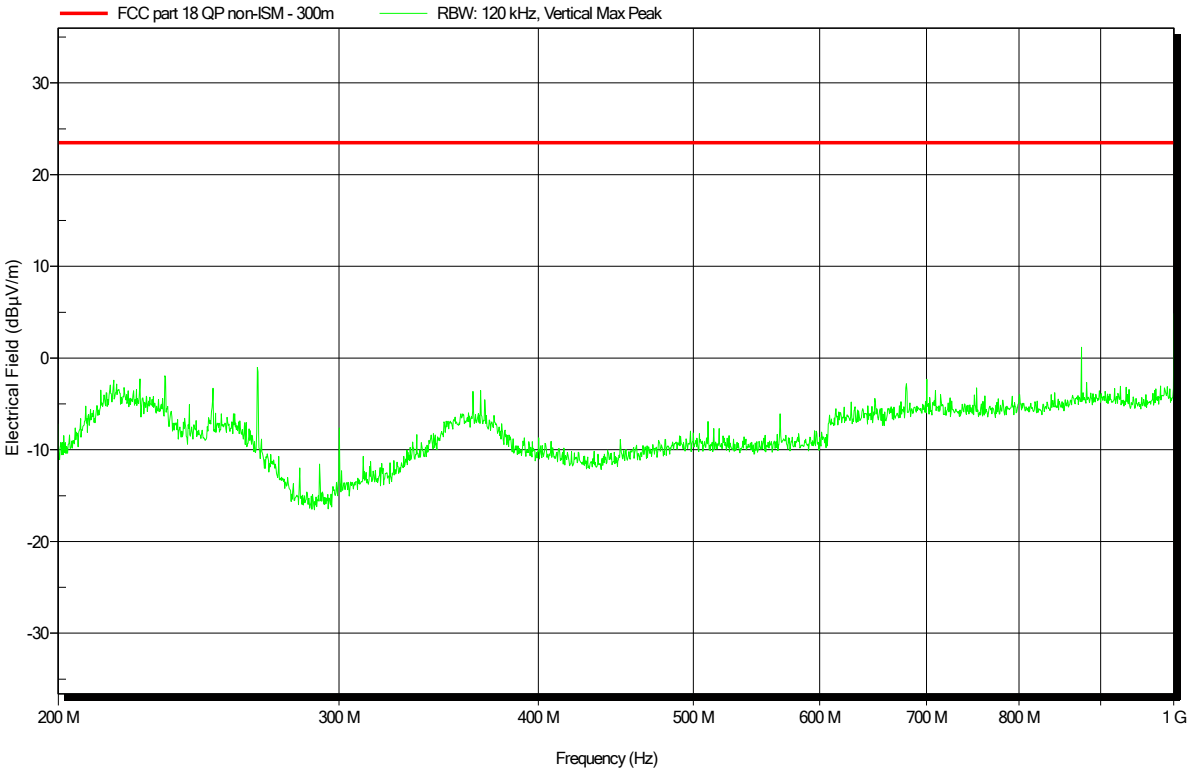

Radiated emissions according to FCC part 18

Project Number:	G0M-1904-8188
Applicant:	Dräger Safety AG & Co. KGaA
Model Description:	Bump test station for calibration of X-am 8000
Model:	X-dock Module X-am 8000+
Test Sample ID:	25419
Test Site:	Eurofins Product Service Germany
Operator:	Mr. Liebich
Test Date:	2020-01-29
Operating Conditions:	ambient temperature: 22°C power input: 120 V / 60 Hz (AC/DC-Adaptor 2)
Antenna:	Rohde & Schwarz HL 223, Horizontal
Measurement Distance:	3m, converted to 300m
Mode:	1
Note 1:	EUT CONFIGURATION 2

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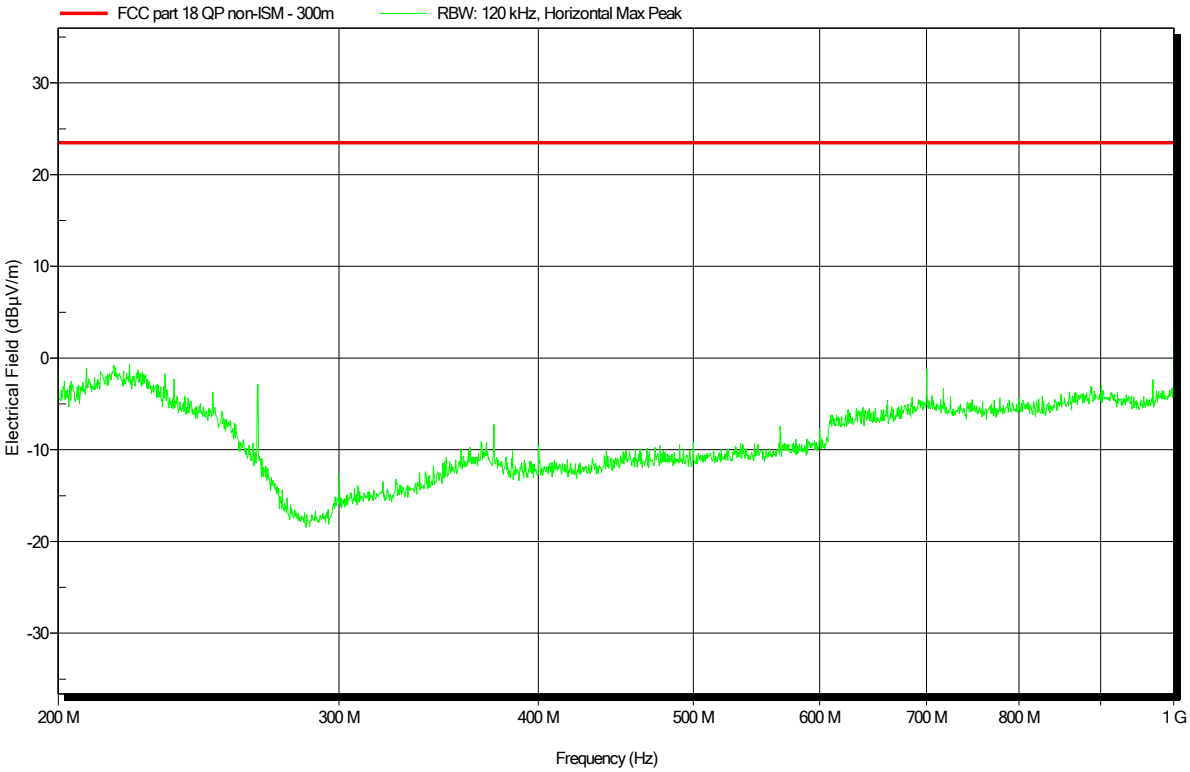

2.2 Test Conditions and Results - Conducted emissions acc. to FCC MP-5

2.2.1 Information

Test Information	
Reference	FCC 18.307
Reference method	FCC MP-5:1986 Section 7
Measurement range	150 kHz - 30 MHz
Temperature [°C]	21
Humidity [%]	30
Operator	Stephan Liebich
Date	2020-01-30

2.2.2 Equipment

Test Software			
Description	Manufacturer	Name	Version
EMC Software	DARE Instruments	Radimation	2016.1.10

Test Equipment					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
AMN	R&S	ESH3-Z5	EF00036	2019-07	2021-07
Pulse Limiter	R&S	ESH3-Z2	EF01063	2019-07	2020-07
EMI Test Receiver	R&S	ESR 7	EF00943	2019-10	2020-10
Climatic Sensor	Embedded Data Systems, LLC.	2800100000254 17E	EF01054	2019-05	2020-05

2.2.3 Limits

Limits		
Frequency [MHz]	Limit Quasi-peak [dBµV/m]	Limit Average [dBµV/m]
0.15-0.5	66-56*	56-46*
0.5-5	56	46
5-30	60	50
Comment: *decreases with the logarithm of the frequency		

2.2.4 Results

AC power line conducted emissions					
Port	Coupling	Operational mode	EUT Configuration	Verdict	Remark
POWER	AMN	1	1	PASS	-
POWER	AMN	1	2	PASS	-

2.2.5 Setup Photos

TEST SETUP EUT CONFIGURATION 1 CONDUCTED EMISSION


TEST SETUP EUT CONFIGURATION 2 CONDUCTED EMISSION


2.2.6 Records

Conducted emissions at the mains power port according to FCC part 18

Project Number:	G0M-1904-8188
Applicant:	Dräger Safety AG & Co. KGaA
Model Description:	Bump test station for calibration of X-am 8000
Model:	X-dock Module X-am 8000+
Test Sample ID:	25418
Test Site:	Eurofins Product Service Germany
Operator:	Mr. Liebich
Test Date:	2020-01-30
Operating Conditions:	ambient temperature: 21°C power input: 120 V / 60 Hz (AC/DC-Adaptor 1)
LISN:	Rohde & Schwarz ESH3-Z5
Mode:	1
Applied to Port:	POWER
Note 1:	EUT CONFIGURATION 1

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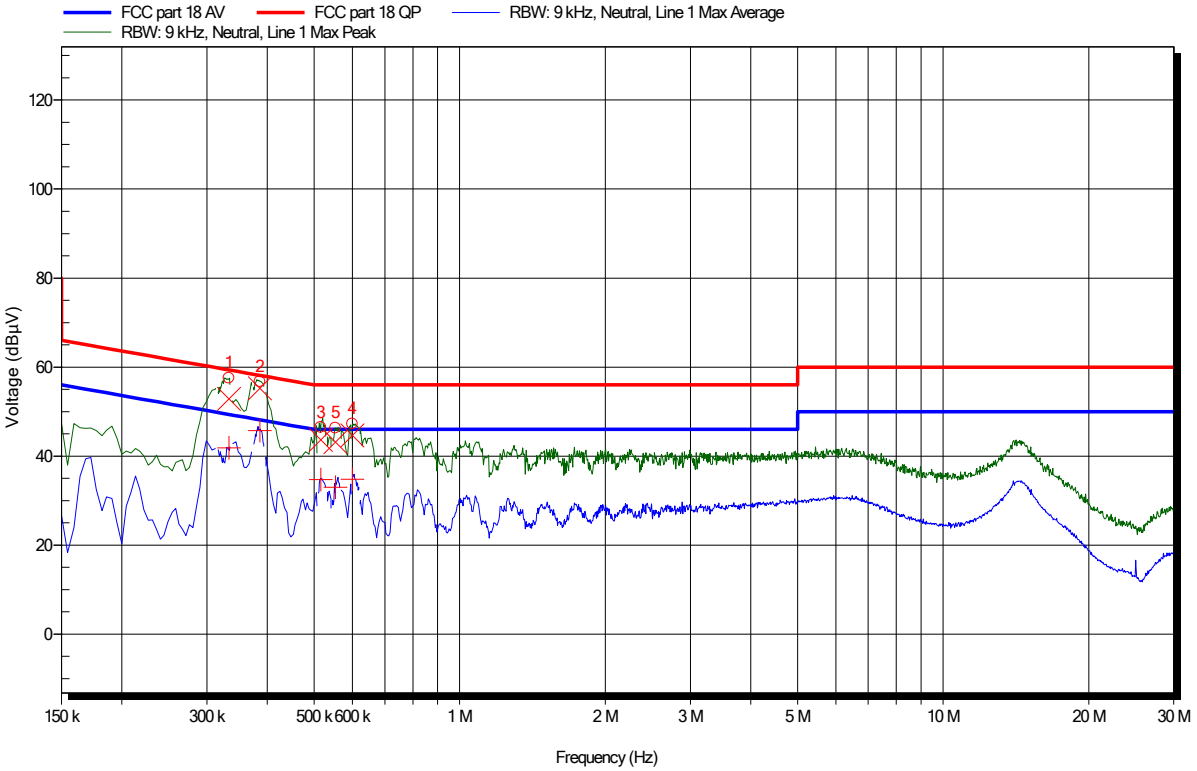

Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	LISN
1	333.15 kHz	52.86 dBµV	59.37 dBµV	-6.51 dB	Pass	Neutral
2	386.25 kHz	55.19 dBµV	58.14 dBµV	-2.95 dB	Pass	Neutral
3	516.3 kHz	43.64 dBµV	56 dBµV	-12.36 dB	Pass	Neutral
4	600 kHz	44.67 dBµV	56 dBµV	-11.33 dB	Pass	Neutral
5	553.65 kHz	43.17 dBµV	56 dBµV	-12.83 dB	Pass	Line 1

Peak Number	Frequency	Average	Average Limit	Average Difference	Average Status	LISN
1	333.15 kHz	41.82 dBµV	49.37 dBµV	-7.55 dB	Pass	Neutral
2	386.25 kHz	45.73 dBµV	48.14 dBµV	-2.41 dB	Pass	Neutral
3	516.3 kHz	34.76 dBµV	46 dBµV	-11.24 dB	Pass	Neutral
4	600 kHz	34.8 dBµV	46 dBµV	-11.2 dB	Pass	Neutral
5	553.65 kHz	33.03 dBµV	46 dBµV	-12.97 dB	Pass	Line 1

Conducted emissions at the mains power port according to FCC part 18

Project Number:	G0M-1904-8188
Applicant:	Dräger Safety AG & Co. KGaA
Model Description:	Bump test station for calibration of X-am 8000
Model:	X-dock Module X-am 8000+
Test Sample ID:	25418 + 25419
Test Site:	Eurofins Product Service Germany
Operator:	Mr. Liebich
Test Date:	2020-01-30
Operating Conditions:	ambient temperature: 21°C power input: 120 V / 60 Hz (AC/DC-Adaptor 2)
LISN:	Rohde & Schwarz ESH3-Z5
Mode:	1
Applied to Port:	POWER
Note 1:	EUT CONFIGURATION 2

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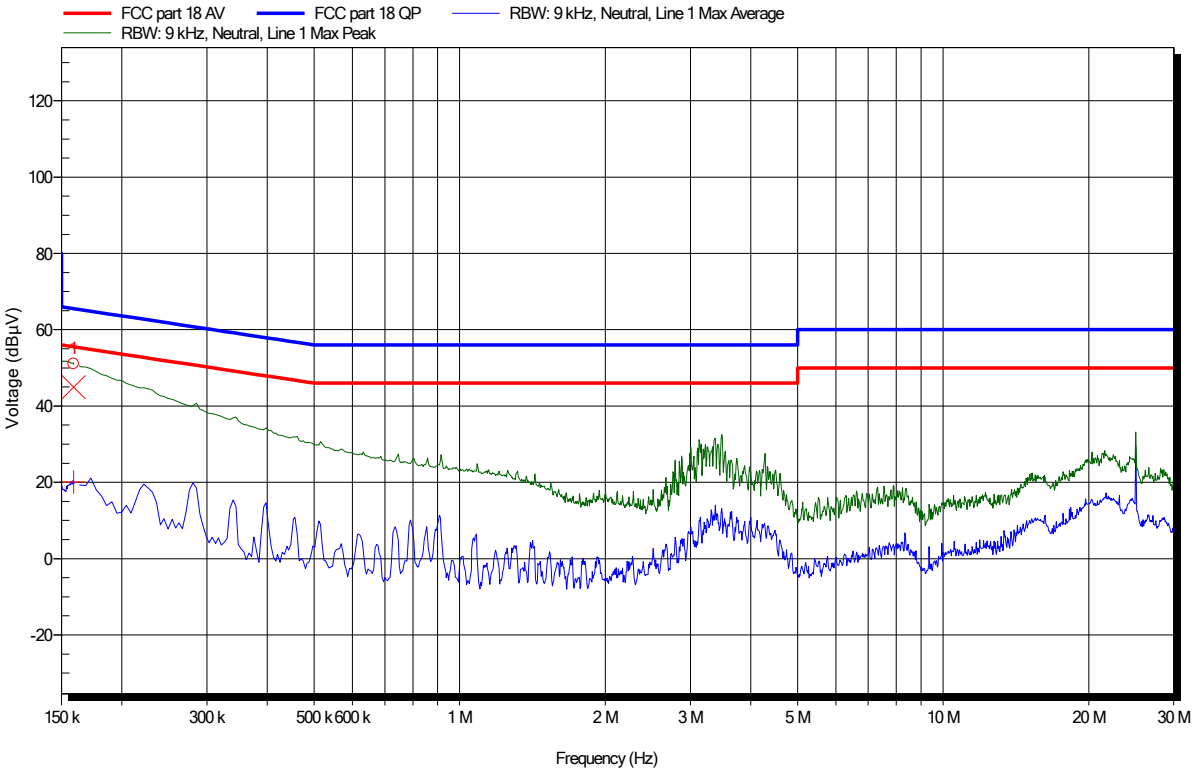

Peak Number	Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	LISN
1	159 kHz	44.95 dBµV	65.52 dBµV	-20.57 dB	Pass	Neutral

Peak Number	Frequency	Average	Average Limit	Average Difference	Average Status	LISN
1	159 kHz	20.11 dBµV	55.52 dBµV	-35.41 dB	Pass	Neutral