Test report issued under the responsibility of:
EMITECH MONTPELLIER laboratory
MRA US-EU Designation Number: FR0006
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RADIO TEST REPORT

FCC Part 15 :2018
RSS-Gen - Issue 5, April 2018

Company	**XPLORER**
Address	40 chemin du Moulin 31320 MERVILLA FRANCE

Test item description	**Wireless metal detection sensor**
Trade Mark	FMF
Manufacturer	XPLORER
Model/Type reference	XPMF / FMF28
FCC ID	XFJMF
IC	8392A-MF
Ratings	3.45Vdc to 4.2Vdc

Testing Laboratory	**EMITECH MONTPELLIER laboratory**
Address	145 rue de Massacan 34740 VENDARGUES FRANCE

Report Reference No	**RR410-20-101751-19A**
Test procedure	FCC IC Certification
Diffusion	Mr LOUBET
Applicant's name	XPLORER
Date of issue	October 21, 2021
Total number of pages	66
Revision	0
Modified page(s)	Creation
Compiled by	Olivier AELBRECHT
Approved by (+ signature)	Olivier HEYER (Laboratory Manager)

Duplication of this test report is only permitted for an integral photographic facsimile. It includes the number of pages referenced here above. This document is the result of testing a specimen or a sample of the product submitted. It does not imply an assessment of the conformity of the whole manufactured products of the tested sample.

REPORT INDEX:

REVISION HISTORY:

Revision	Date	Modified pages	Modifications
0	October 21, 2021	/	Creation

1. GENERAL INFORMATIONS

This document submits the results of Radio tests performed on the equipment **Disques Wireless metal detection sensor XPMF / FMF28** (denominated hereafter E.U.T.: equipment under test) according to document(s) listed in §2 of this test report.

TESTING PROCEDURE AND TESTING LOCATION:

Testing Location	EMITECH MONTPELLIER laboratory
Address	145 rue de Massacan 34740 VENDARGUES FRANCE
Test procedure.	FCC IC Certification
Tested by	Olivier AELBRECHT
Test supervisor	None
Date of receipt of test item	N/A
Date (s) of performance of tests	From September the 2nd of 2020 to October the 19th of 2020

APPLICANT'S GENERAL INFORMATIONS:

Company name	XPLORER
Company address.	40 chemin du Moulin 31320 MERVILLA FRANCE
Person(s) present during the tests.	No representative for company attended the tests.
Responsible.	Mr LOUBET

GENERAL REMARKS:

The information in italics is declared by the manufacturer and is under his responsibility
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.

"(see Enclosure #)" refers to additional information appended to the report.
"(see appended table)" refers to a table appended to the report.
Throughout this report the decimal separator is point.

POSSIBLE TEST CASE VERDICTS:

Test case does not apply to the test object.	N/A
Test case not performed	N/P
Test object does meet the requirement.	P (Pass)
Test object does not meet the requirement.	F (Fail)

DEFINITIONS AND ABBREVIATIONS:

E.U.T.	Equipement under test	AE	Ancillary equipment	Pk	Peak detector
RBW	Resolution bandwidth	VBW	Video bandwidth	QP	Quasi-peak detector
OATS	Open area test site	FAR	Full anechoic room	Av	Average detector
VP	Vertical Polarization	HP	Horizontal Polarization	RMS	Root Mean Square
RF	Radio frequency	NTR	Nothing to report	N/C	Not communicated

2. REFERENCE DOCUMENT(S)

NORMATIVE REFERENCES:
The following referenced documents are necessary for the application of the present test report. **FCC Part 15 :2018** Code of Federal Regulations Title 47 – Telecommunications Chapter 1 – Federal Communications Commission Part 15 – Radio frequency devices Subpart C – Intentional Radiators **RSS-Gen - Issue 5, April 2018** General requirements and Information for the Certification of radio Apparatus **ANSI C63.10 : 2013** American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices. **ANSI C 63.4:2014** American National Standard for Methods of measurement of Radio-Noise from low-voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz Although the product standard uses obsolete technical standards, the latest versions of standards achievable by the laboratory will be used for testing.
INFORMATIVE REFERENCES:
The following referenced documents are not necessary for the application of the present test report but they assist the user with regard to a particular subject area.

3. EQUIPMENT TECHNICAL DESCRIPTION

3.1. Test Conditions

Test item description.	:	Wireless metal detection sensor
Model/Type reference.	:	XPMF / FMF28
Trade Mark.	:	FMF
FCC ID.	:	XFJMF
IC.	:	8392A-MF
Serial number (S/N).	:	50909A
Part number (P/N).	:	Not communicated
Software version.	:	*Not communicated*
Firmware version.	:	*Not communicated*
Type of sample.	:	Prototype
Function(s).	:	Wireless object detection sensor
Manufacturer name.	:	XPLORER
Address.	:	40 chemin du Moulin 31320 MERVILLA FRANCE

General product information:

N/A

3.2. EUT Marking plate

3.3. EUT General view

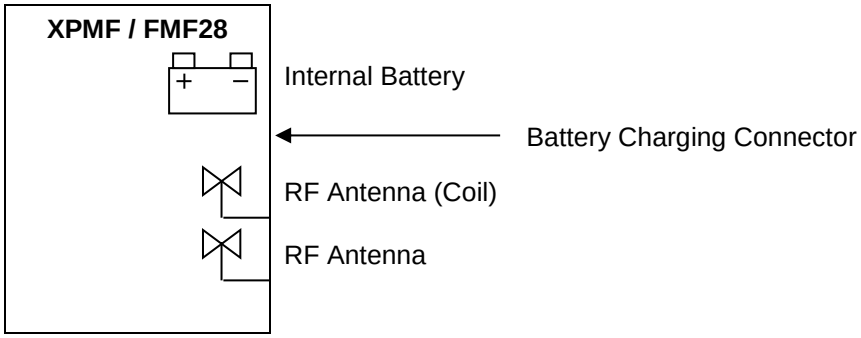
3.4. EUT Mechanical and Electrical Design

Power supply. ..... : *3.7Vdc*
Power supply range. ..... : *3.45Vdc to 4.2Vdc*
Power type. ..... : *Battery powered*
Power (W). ..... : *not communicated*
Nominal current (A). ..... : *1*
Dimensions (L x W x H) (m). ..... : *0.28x0.28x0.04*
Weight (kg). ..... : *0.417*
Temperature range (°C). ..... : *-5°C to +40°C*
Ground bounding strap. ..... : *No*

Comments:

N/A

3.5. EUT Input/Output ports



PORT	NAME	TYPE	LENGHT	CABLE TYPE	COMMENTS
0	Main frame	N/E	N/A	Plastic	
1	Internal Battery	DC	N/A	N/A	
2	Battery Charging Connector	DC	1m	2P	
3	RF Antenna (Coil)	RF	N/A	N/A	Used for detection (4.1 kHz to 45.19 kHz)
4	RF Antenna	RF	N/A	N/A	Used to communicate with remote (2.4GHz)

AC/DC : AC/DC Converter port
I/O.....: Input or Output port
N/E .....: Non Electrical port

AC .....: Alternative current port
TP .....: Telecommunication port

DC .....: Discontinuous current port
RF.....: Radio frequency port

3.6. Supporting Equipment Used During Test

Sample subject to the tests was tested with following equipment.

PRODUCT TYPE	MANUFACTURER	MODEL	N°EMITECH / COMMENTS
Remote Device	XPLORER	DEUS 2	Used to set the EUT in test mode
Battery charger (AC/DC)	Sinohero Industrial Ltd.	SJ-0510-E	Used for conducted emission

REMOTE DEVICE (EA)

BATTERY CHARGER (AC/DC) (EA)

3.7. EUT Radio Specifications

a) GENERAL INFORMATIONS
According to manufacturer's declarations : EUT type..... : *Transmitter* Technology ..... : *SRD (Metal and object detection sensors)* Environmental profile..... : *Data transmissions* Temperature range..... : *-5°C to +40°C* Antenna type ..... : *Integral* Antenna Gain..... : *not communicated* **Comments:**
b) TRANSMITTER PARAMITTERS (TX)
Frequency bands..... : *4.1 kHz to 45.19 kHz* RF Power..... : *not communicated* Number of channels / Separation..... : *Multiple* Modulation type ..... : *Not modulated* Duty cycle ..... : *N/A* Tested frequency..... : *4.1kHz low Channel* *45.19kHz High Channel*
c) RECEIVER PARAMETERS (RX)
Frequency bands..... : *4.1 kHz to 45.19 kHz* Category/Class ..... : *not communicated* Bandwidth..... : *Multiple*

4. OPINION(S) AND INTERPRETATION(S)

TEST(S) PERFORMED	DEVIATION(S) TO TEST METHOD(S)
FCC part 15.109, 15.209, 15.205, 15.215, CNR-Gen	The EUT is encapuslated in a casing. We were not able to measure its voltage supply during radiated tests
FCC part 15 Radio part 15.215 and RSS Gen	N/A
ANSI C63.4: 2014	N/A

Comments: N/A

5. RESULT SUMMARY

TEST DESIGNATION	SEVERITY	VERDICT	COMMENTS
GENERAL			
Labeling requirements		**PASS**	**15.19 / See certification documents**
Information to user		**PASS**	**15.21 / See certification documents**
Home-built devices		**N/A**	**15.23**
Kits		**N/A**	**15.25**
Special Accessories		**PASS**	**15.27 / See certification documents**
Inspection by the Commission		**N/A**	
Measurement standards		**PASS**	**15.31**
Test procedure for CPU boards and computer power supplies		**N/A**	**15.32**
Frequency range of radiated measurements		**N/A**	**15.33**
Measurement detector functions and bandwidths		**N/A**	**15.36**
Transition provisions for compliance with the rules		**PASS**	**15.37 / See certification documents**
UNINTENTIONAL RADIATORS			
Equipment authorization			**15.101**
- Verification		N/A	
- Declaration of Conformity		N/A	
CPU boards and power supplies used in personal computers		**N/A**	**15.102**
Exempted device		**N/A**	**15.103**
Information to the user		**N/P**	**15.105 / See certification documents**
Conducted limits	**Class B**	**PASS**	**15.107**
Radiated emission limits	**Class B**	**PASS**	**15.109**
Antenna power conduction limits for receivers		**N/A**	**15.111**
Power line carrier systems		**N/A**	**15.113**
TV interface devices, including cable system terminal devices		**N/A**	**15.115**
TV broadcast receivers		**N/A**	**15.117**
Cable ready consumer electronics equipment		**N/A**	**15.118**
Program blocking technology requirements for TV receivers		**N/A**	**15.120**
Scanning receivers and frequency converters used with scanning receivers		**N/A**	**15.121**
Labeling of digital cable ready products		**N/A**	**15.123**

TEST DESIGNATION	SEVERITY	VERDICT	COMMENTS
INTENTIONAL RADIATORS			
Equipment authorization requirement		**PASS**	**15.201 / Transmitter part is subject to Certification procedure**
Certified operating frequency range		**N/A**	**15.202**
Antenna requirement		**PASS**	**15.203 / Dedicated integral antenna**
External radio frequency power amplifiers and antenna modifications		**N/A**	**15.204**
Restricted bands of operation		**PASS**	**15.205**
Conducted limits	**Class B**	**PASS**	**15.207**
Radiated emission limits; general requirements	**Class B**	**PASS**	**15.209**
Tunnel radio systems		**N/A**	**15.211**
Modular transmitters		**N/A**	**15.212**
Cable locating equipment		**N/A**	**15.213**
Cordless telephones		**N/A**	**15.214**
Additional provisions to the general radiated emission limits		**PASS**	**15.215**

Sample subject to the test complies for tests done with the requirements of the reference document(s) listed in §2 of this test report and, where applicable, with deviation(s) specified in this document.

To declare, or not, the compliance with the specifications, it was not explicitly taken into account of uncertainty associated with the results.

TEST(S) PERFORMED	MODIFICATION(S)
FCC part 15.109, 15.209, 15.205, 15.215, CNR-Gen	N/A
FCC part 15 Radio part 15.215 and RSS Gen	N/A
ANSI C63.4: 2014	N/A

6. MEASUREMENT UNCERTAINTY

PARAMETER	MAXIMAL EMITECH UNCERTAINTY	MINIMAL STANDARD UNCERTAINTY
Radio frequency	± 1 x 10^{-7}	±1 x 10^{-7}
RF power, conducted		
RF power	± 0.8dB	± 1 dB
RF power (EN 300328 / EN 301893)	± 1.3dB	± 1.5 dB
Power spectral density	± 2.3dB	± 3 dB
Occuped bandwidth		
RF power	± 3.8 %	± 5 %
RF power (EN 300328 / EN 301893)	± 3.8 %	± 5 %
Maximum frequency deviation		
300 Hz < audio frequency < 6 kHz	± 1.2 %	± 5 %
6 kHz < audio frequency < 25 kHz	± 1.2 %	± 3 dB
Adjacent channel power	± 1.6 dB	± 3 dB
Sensibility of receiver (conducted)	± 2.0 dB	± 3 dB
Blocking	± 4.0 dB	± 4 dB
Transitoire		
Amplitude	± 8.5 %	± 20 %
At the frequency	± 166 Hz	± 250 Hz
Conducted emission (spurious)		
f ≤ 1 GHz	± 0.8 dB	± 3 dB
1 GHz - 12.75 GHz	± 1.6 dB	
Radiated emission (PAR / PIRE / RNE)		
f ≤ 62.5 MHz	± 5.1 dB	± 6 dB
62.5 MHz - 1 GHz	± 5.1 dB	± 6 dB
1 GHz - 18 GHz	± 5.2 dB	± 6 dB
18 GHz – 26 GHz	± 5.1 dB	± 6 dB
26 GHz – 40 GHz	± 5.4 dB	± 6 dB
180-1000 MHz / 1 – 12.75 GHz (EN 301 908-1)	± 3.0 / 2.9 dB	± 3 dB
RF power (EN 300328 / EN 301893)	± 5.3 dB	± 6 dB
PIRE and power spectral density with diode	± 5.2 dB	± 6 dB
Radiated emission (magnetic field)		
9kHz – 30MHz	± 3 dB	± 6 dB
RF level for a given BER	± 0.8 dB	± 1.5 dB
Supply voltages	± 3 %	± 3 %
Temperature	± 1 °C	± 1°C
Humidity	± 5 %	± 5 %
Time / Duty cycle	± 4.4 %	± 5 %
Adaptivity	± 2.9 dB	/
Radiated emission (electric field for FCC standard)		
9kHz – 30MHz	± 2.7 dB	/
30MHz – 1GHz	± 5.0 dB	/
1GHz – 18GHz	± 5.6 dB	/
18GHz – 26GHz	± 5.7 dB	/
26GHz – 40GHz	± 5.7 dB	/

For the calcul of expanded uncertainty, the confidence interval is 95 % (k=2).

7. TEST CONDITIONS AND RESULTS

7.1. Conducted emission (measurement)

Reference standard:	FCC part 15.107, 15.207 and RSS-Gen
Test method:	ANSI C63.4: 2014

General test setup: EUT is set on an insulating support at 80cm above the ground reference plane and at 40cm to the vertical ground reference plane. All power was connected to the system through Artificial Mains Network (AMN). The AMN is placed at 80cm from the boundary of the EUT and bonded to a ground reference plane.

All tested telecommunications lines (if applicable) were connected to an Asymmetric Artificial Network (AAN) and conducted voltage measurements on telecommunications lines were made at the output of the AAN.

Where an AAN was not appropriate or available, measurements were made using a Capacitive Voltage Probe and/or a Current probe.

Additionnal ground terminals (if any) are connected to earth terminal of the AMN.

TESTED CABLE	PARAMETER	SEVERITY	RESULT TAB.	VERDICT
120Vac/60Hz power supply / Tx mode Low Channel	150kHz-30MHz	Class B	EMI5902	**PASS**
120Vac/60Hz power supply / Tx mode High Channel	150kHz-30MHz	Class B	EMI5900	**PASS**
120Vac/60Hz power supply / Standby mode	150kHz-30MHz	Class B	EMI5899	**PASS**

LABORATORY PARAMETERS:	REQUIRED PRIOR TO THE TEST	DURING THE TEST
Ambient Temperature	15 to 35 °C	*See Graph(es)*
Relative Humidity	30 to 60 %	*See Graph(es)*
Atmospheric pressure	N/A	*See Graph(es)*
Test method deviation: N/A		
Supplementary information: N/A		

TEST EQUIPMENT USED

CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
AC power source	CHROMA	61603	12532	25/07/2019	25/09/2021
Cable	N	3m	16422	04/05/2019	04/07/2021
Cable	EMITECH	Current absorber sheath	9491	23/06/2020	23/08/2022
Ground plane	EMITECH	Test area	11569		
LISN	AFJ	LT32C\10	12007	11/01/2019	11/03/2021
Multimeter	FLUKE	8808A	12446	29/09/2020	29/11/2021
Receiver	Rohde & Schwarz	ESHS10	3371	27/04/2020	27/06/2021
Receiver	Rohde & Schwarz	FPL1003	16027	14/08/2020	14/10/2021
Software	Nexio		0000		
Thermohygrometer	Testo	608-H2	12268	07/05/2020	07/07/2022
TV	DESIMET	TVC 2437B	0903		

BAT-EMC software version: V3.18.0.26 Blank cells = Permanent validity

TEST SETUP PHOTO(S)
   

CONDUCTED EMISSION (MEASUREMENT) - TABULATED RESULTS						
120VAC/60HZ POWER SUPPLY / TX MODE LOW CHANNEL						EMI5902
Terminal	Test Frequency (MHz)	Gain/Loss Factor (dB)	Level Pk (dBµV)	Level Avg (dBµV)	Limit Avg (dBµV)	Margin Lvl Avg - Limit Avg (dB)
Neutral	0.495	10.4	42.86	33.49	46.08	-12.59
Neutral	0.503	10.4	44.48	35.69	46	-10.31
Neutral	0.510	10.4	45.87	36.6	46	-9.4
Neutral	0.522	10.4	42.07	33.06	46	-12.94
Neutral	0.529	10.4	40.41	30.77	46	-15.23
Neutral	1.201	10.45	39.18	27.34	46	-18.66
Neutral	1.329	10.45	39.8	28.24	46	-17.76
Neutral	1.466	10.46	37.39	25.19	46	-20.81
Neutral	1.842	10.48	42.84	32.08	46	-13.92
Neutral	1.882	10.48	36.3	28.43	46	-17.57
Neutral	1.953	10.48	41.59	30.62	46	-15.38
Phase	0.366	10.39	41.62	25.86	48.59	-22.73
Phase	0.442	10.39	43.63	26.74	47.03	-20.29
Phase	0.460	10.4	41.08	26.04	46.7	-20.66
Phase	0.499	10.4	46.74	30.82	46.01	-15.19
Phase	0.505	10.4	48.05	32.14	46	-13.86
Phase	0.515	10.4	49.31	32.64	46	-13.36
Phase	0.527	10.4	44.79	28.48	46	-17.52
Phase	0.581	10.41	40.4	23.16	46	-22.84
Phase	0.593	10.41	42.4	24.67	46	-21.33
Phase	0.698	10.42	42.19	24.89	46	-21.11
Phase	0.713	10.42	39.78	22.66	46	-23.34
Phase	0.832	10.43	38.1	21.87	46	-24.13
Phase	1.038	10.44	40.88	21.88	46	-24.12
Phase	1.203	10.45	44.07	25.85	46	-20.15
Phase	1.240	10.45	39.1	22.93	46	-23.07
Phase	1.293	10.45	38.98	23.4	46	-22.6
Phase	1.330	10.46	43.89	26.18	46	-19.82
Phase	1.474	10.46	41.21	22.08	46	-23.92
Phase	1.715	10.47	42.94	25.41	46	-20.59
Phase	1.790	10.47	44.13	26.63	46	-19.37
Phase	1.832	10.48	47.36	29.11	46	-16.89
Phase	1.879	10.48	39.93	21.78	46	-24.22
Phase	1.937	10.48	45.63	27.45	46	-18.55
Phase	1.982	10.48	43.34	22.74	46	-23.26
Phase	2.161	10.49	41.96	23.52	46	-22.48
Phase	2.499	10.5	42.22	23.7	46	-22.3
Phase	2.623	10.5	44.25	25.46	46	-20.54
Phase	2.768	10.51	43.05	22.99	46	-23.01

Supplementary information:

Margin between peak measurements and quasi-peak limit is > 6dB, so no quasi-peak measurements were performed.

Spurious which has more than 25 dB of margin compared to the applicable limit is not necessarily reported.

CONDUCTED EMISSION (MEASUREMENT) - TABULATED RESULTS						
120VAC/60HZ POWER SUPPLY / TX MODE HIGH CHANNEL						EMI5900
Terminal	Test Frequency (MHz)	Gain/Loss Factor (dB)	Level Pk (dBµV)	Level Avg (dBµV)	Limit Avg (dBµV)	Margin Lvl Avg - Limit Avg (dB)
Neutral	0.466	10.4	36.95	26.48	46.59	-20.11
Neutral	0.483	10.4	37.84	28.9	46.29	-17.39
Neutral	0.511	10.4	42.53	33.8	46	-12.2
Neutral	0.515	10.4	41.85	32.98	46	-13.02
Neutral	1.699	10.47	34.51	21.9	46	-24.1
Neutral	1.708	10.47	33.5	22.21	46	-23.79
Neutral	1.714	10.47	33.82	22.35	46	-23.65
Neutral	1.725	10.47	32.25	22.48	46	-23.52
Neutral	1.822	10.48	32.53	21.55	46	-24.45
Neutral	1.828	10.48	32.61	22.3	46	-23.7
Neutral	1.840	10.48	34.67	23.45	46	-22.55
Neutral	1.851	10.48	35.2	23.93	46	-22.07
Neutral	1.865	10.48	36.06	23.81	46	-22.19
Neutral	1.887	10.48	35.24	24.02	46	-21.98
Neutral	1.901	10.48	34.74	24.8	46	-21.2
Neutral	1.941	10.48	35.44	27.52	46	-18.48
Neutral	1.959	10.48	37.46	27.68	46	-18.32
Phase	0.445	10.39	40.02	22.95	46.97	-24.02
Phase	0.459	10.4	39.36	22.64	46.72	-24.08
Phase	0.473	10.4	40.01	22.08	46.47	-24.39
Phase	0.497	10.4	44.24	26.56	46.05	-19.49
Phase	0.502	10.4	45.77	28.77	46	-17.23
Phase	0.507	10.4	46.11	29.44	46	-16.56
Phase	0.511	10.4	46.23	29.32	46	-16.68
Phase	0.523	10.4	44.22	27	46	-19
Phase	0.528	10.4	42.62	25.4	46	-20.6
Phase	4.339	10.54	39.07	21.7	46	-24.3
Phase	4.521	10.55	39.64	22	46	-24
Phase	4.700	10.55	39.81	22.5	46	-23.5
Phase	4.880	10.55	38.77	22.36	46	-23.64

Supplementary information:

Margin between peak measurements and quasi-peak limit is > 6dB, so no quasi-peak measurements were performed.

Spurious which has more than 25 dB of margin compared to the applicable limit is not necessarily reported.

Supplementary information: Margin between peak measurements and quasi-peak limit is > 6dB, so no quasi-peak measurements were performed.

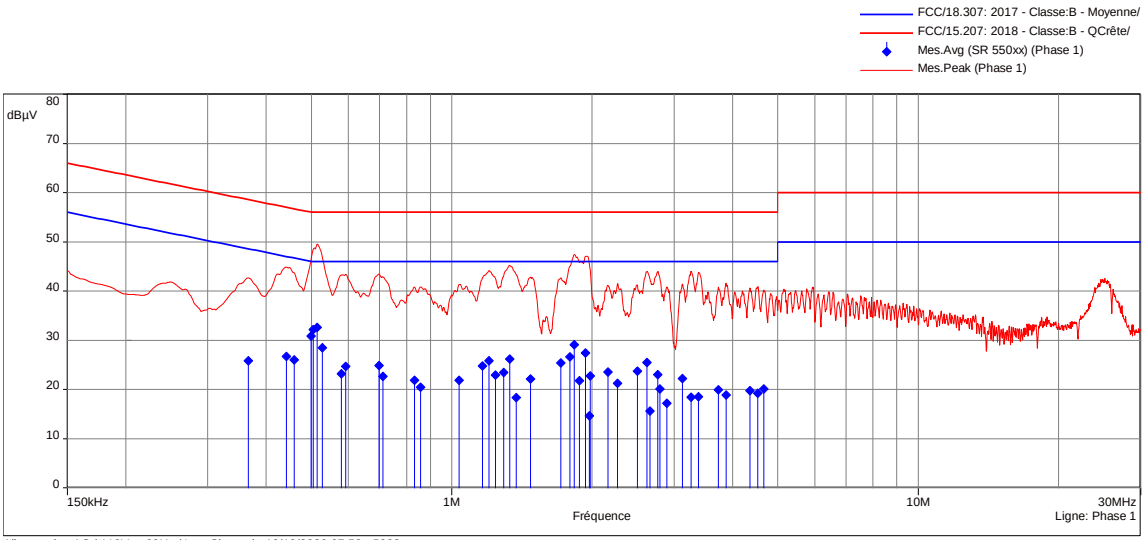
CONDUCTED EMISSION (MEASUREMENT) - TABULATED RESULTS						
120VAC/60HZ POWER SUPPLY / STANDBY MODE						EMI5899
Terminal	Test Frequency (MHz)	Gain/Loss Factor (dB)	Level Pk (dBµV)	Level Avg (dBµV)	Limit Avg (dBµV)	Margin Lvl Avg - Limit Avg (dB)
Neutral	0.492	10.4	46.41	32.46	46.14	-13.68
Neutral	0.496	10.4	43.96	34.34	46.06	-11.72
Neutral	0.507	10.4	46.27	36.55	46	-9.45
Neutral	0.515	10.4	45.05	35.57	46	-10.43
Neutral	0.528	10.4	41.95	31.79	46	-14.21
Neutral	1.178	10.45	38.88	27.57	46	-18.43
Neutral	1.221	10.45	38.92	27.07	46	-18.93
Neutral	1.311	10.45	39.09	28.31	46	-17.69
Neutral	1.342	10.46	39.79	27.4	46	-18.6
Neutral	1.690	10.47	39.45	28.6	46	-17.4
Neutral	1.713	10.47	39.68	29.38	46	-16.62
Neutral	1.759	10.47	38.53	30.47	46	-15.53
Neutral	1.809	10.48	42.05	31.92	46	-14.08
Neutral	1.820	10.48	42.53	32.03	46	-13.97
Neutral	1.840	10.48	42.64	31.99	46	-14.01
Neutral	1.859	10.48	42.14	31.64	46	-14.36
Neutral	1.869	10.48	41.17	31.44	46	-14.56
Neutral	1.908	10.48	39.69	31.07	46	-14.93
Neutral	1.927	10.48	40.9	30.57	46	-15.43
Neutral	1.943	10.48	40.96	29.79	46	-16.21
Phase	0.462	10.4	43.5	27.27	46.65	-19.38
Phase	0.465	10.4	44.02	27.27	46.6	-19.33
Phase	0.494	10.4	46.37	28.97	46.1	-17.13
Phase	0.500	10.4	48.53	32.19	46	-13.81
Phase	0.508	10.4	50.22	33.64	46	-12.36
Phase	0.528	10.4	46.17	29.44	46	-16.56
Phase	1.312	10.45	43.68	26.12	46	-19.88
Phase	1.711	10.47	44.32	26.54	46	-19.46
Phase	1.722	10.47	44.18	26.54	46	-19.46
Phase	1.741	10.47	43.14	26.62	46	-19.38
Phase	1.790	10.47	45.48	28.84	46	-17.16
Phase	1.814	10.48	46.86	29.46	46	-16.54
Phase	1.833	10.48	47.44	29.24	46	-16.76
Phase	1.842	10.48	46.68	28.98	46	-17.02
Phase	1.847	10.48	46.95	28.86	46	-17.14
Phase	1.868	10.48	45.34	27.89	46	-18.11
Phase	1.905	10.48	43.89	27.25	46	-18.75
Phase	1.924	10.48	44.91	26.93	46	-19.07

Supplementary information:

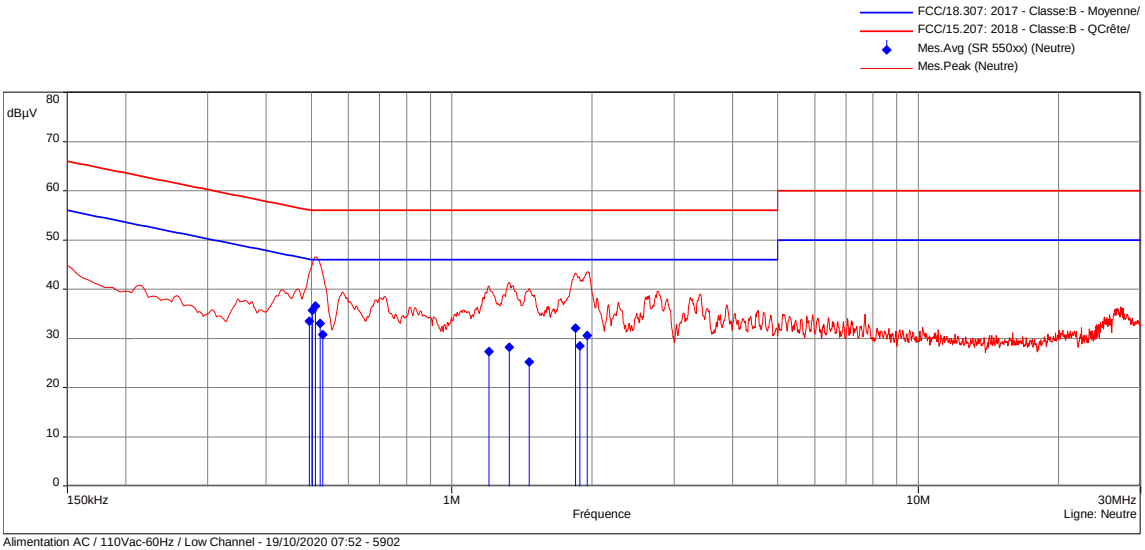
Margin between peak measurements and quasi-peak limit is > 6dB, so no quasi-peak measurements were performed.

Spurious which has more than 20 dB of margin compared to the applicable limit is not necessarily reported.

CONDUCTED EMISSION (MEASUREMENT) - GRAPH			
120VAC/60HZ POWER SUPPLY / TX MODE LOW CHANNEL		EMI5902	
EUT mode:	Tx mode	**T (°C):**	21.5
Test Date:	19/10/2020	**H (%):**	37.3
Test Operator:	OAT	**P (hPa):**	1009



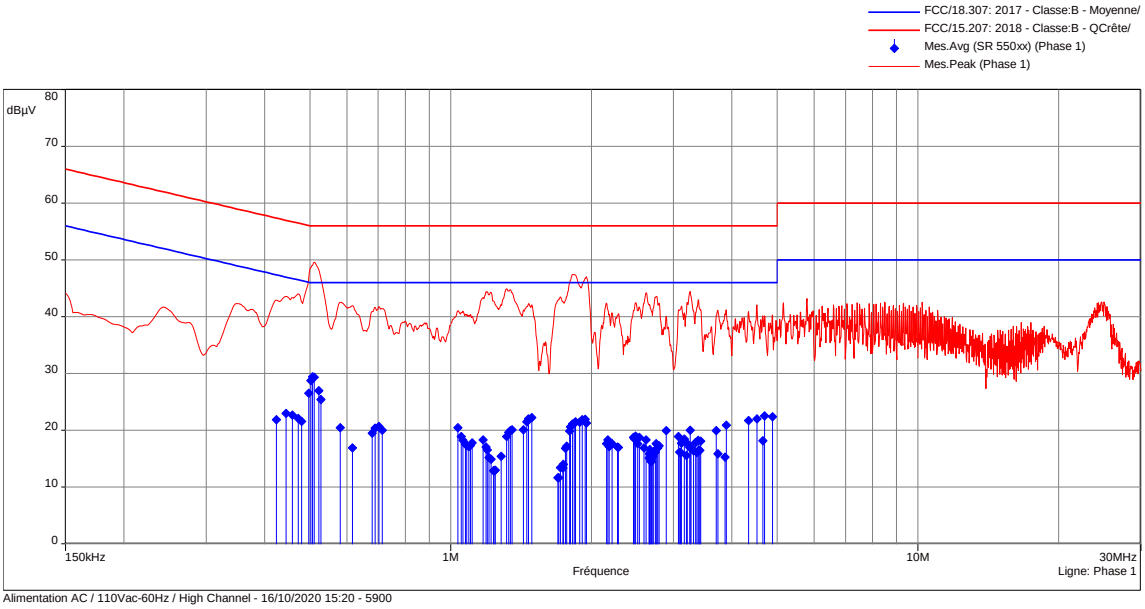
Alimentation AC / 110Vac-60Hz / Low Channel - 19/10/2020 07:52 - 5902



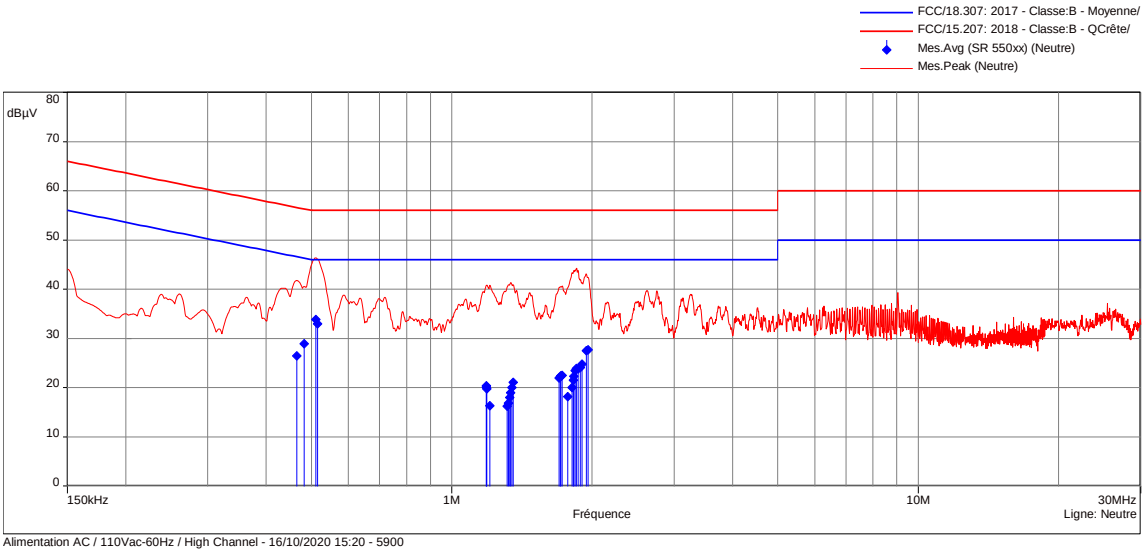
Alimentation AC / 110Vac-60Hz / Low Channel - 19/10/2020 07:52 - 5902

POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Neutral	150kHz-1MHz	10kHz	30kHz	Peak; Avg
Neutral	1MHz-10MHz	10kHz	30kHz	Peak; Avg
Neutral	10MHz-30MHz	10kHz	30kHz	Peak
Phase 1	150kHz-1MHz	10kHz	30kHz	Peak; Avg
Phase 1	1MHz-10MHz	10kHz	30kHz	Peak; Avg
Phase 1	10MHz-30MHz	10kHz	30kHz	Peak
Measure with:	A.M.N.			
Comments:	N/A			
EUT modification(s): N/A				

CONDUCTED EMISSION (MEASUREMENT) - GRAPH			
120VAC/60HZ POWER SUPPLY / TX MODE HIGH CHANNEL		**EMI5900**	
EUT mode:	Tx mode	**T (°C):**	21.5
Test Date:	16/10/2020	**H (%):**	37.3
Test Operator:	OAT	**P (hPa):**	1009



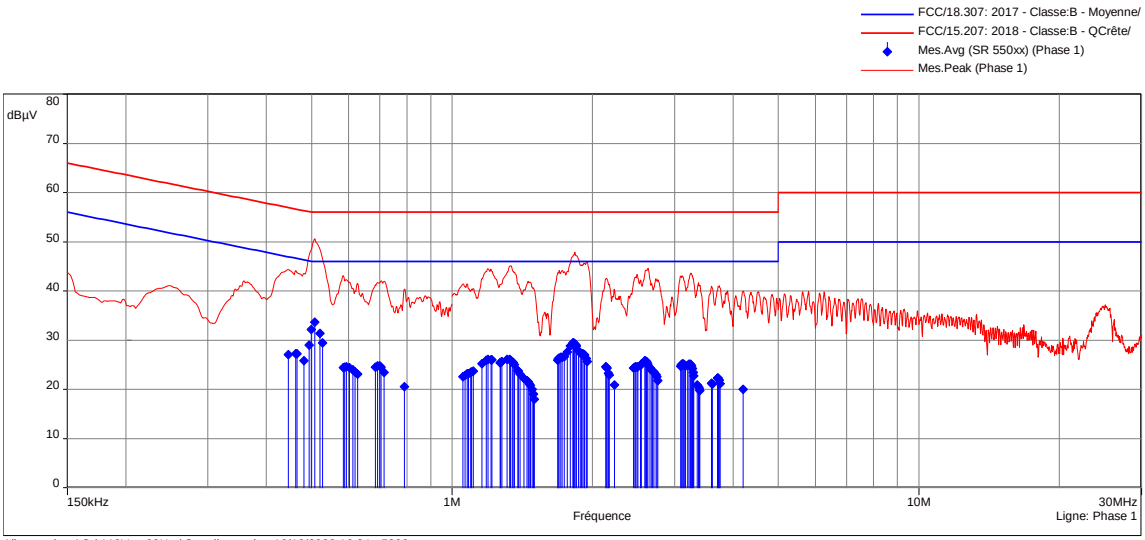
Alimentation AC / 110Vac-60Hz / High Channel - 16/10/2020 15:20 - 5900



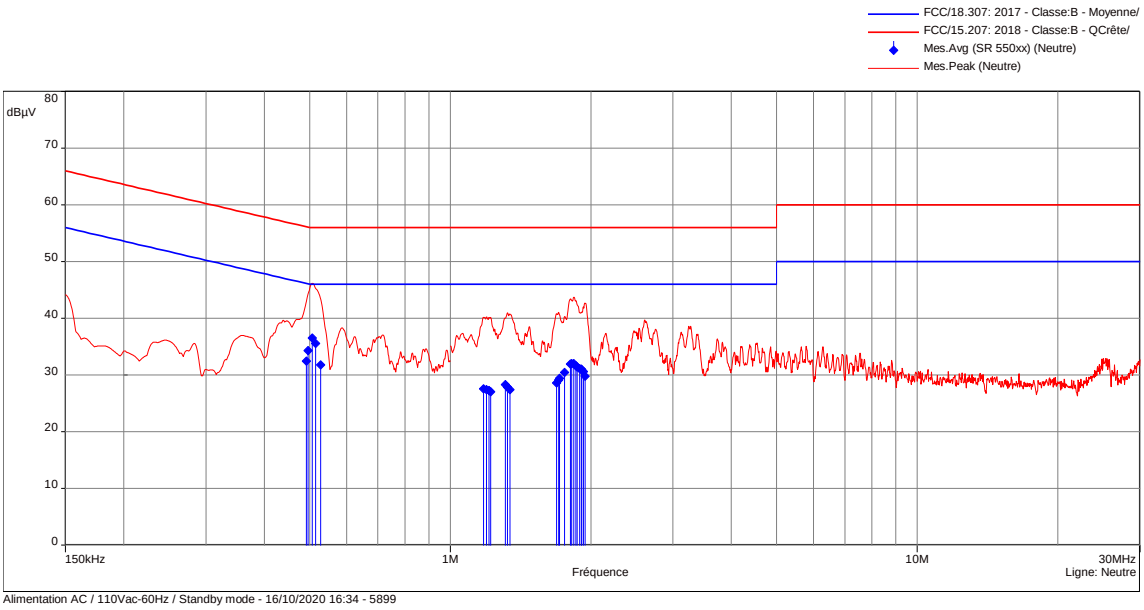
Alimentation AC / 110Vac-60Hz / High Channel - 16/10/2020 15:20 - 5900

POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Neutral	150kHz-1MHz	10kHz	30kHz	Peak; Avg
Neutral	1MHz-10MHz	10kHz	30kHz	Peak; Avg
Neutral	10MHz-30MHz	10kHz	30kHz	Peak
Phase 1	150kHz-1MHz	10kHz	30kHz	Peak; Avg
Phase 1	1MHz-10MHz	10kHz	30kHz	Peak; Avg
Phase 1	10MHz-30MHz	10kHz	30kHz	Peak
Measure with:	A.M.N.			
Comments:	N/A			
EUT modification(s): N/A				

CONDUCTED EMISSION (MEASUREMENT) - GRAPH			
120VAC/60HZ POWER SUPPLY / STANDBY MODE		EMI5899	
EUT mode:	Standby mode	**T (°C):**	21.5
Test Date:	16/10/2020	**H (%):**	37.3
Test Operator:	OAT	**P (hPa):**	1009



Alimentation AC / 110Vac-60Hz / Standby mode - 16/10/2020 16:34 - 5899



Alimentation AC / 110Vac-60Hz / Standby mode - 16/10/2020 16:34 - 5899

POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Neutral	150kHz-1MHz	10kHz	30kHz	Peak; Avg
Neutral	1MHz-10MHz	10kHz	30kHz	Peak; Avg
Neutral	10MHz-30MHz	10kHz	30kHz	Peak
Phase 1	150kHz-1MHz	10kHz	30kHz	Peak; Avg
Phase 1	1MHz-10MHz	10kHz	30kHz	Peak; Avg
Phase 1	10MHz-30MHz	10kHz	30kHz	Peak
Measure with:	A.M.N.			
Comments:	N/A			
EUT modification(s): N/A				

7.2. Transmitter radiated spurious emissions at frequencies <30MHz

Reference standard:	FCC part 15 Radio part 15.209 & CNR-Gen
Test method:	FCC part 15.109, 15.209, 15.205, 15.215, CNR-Gen

Test description: : Spurious domain emission limits are limits on emissions at frequencies other than those of the carrier and sidebands associated with normal test modulation**.**

EUT is set on an insulating support at 80cm above the ground reference plane.

Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 3-meter in a anechoic chamber. The EUT was rotated 360°in order to maximize radiated levels. Test antenna was oriented in 3 axes (0°, 45° and 90°).

Final measurements (quasi-peak) were then performed in a 10-meter Open Area Test Site that complies to CISPR 16 in the same measurement conditions.

All frequencies were investigated, where applicable.

TESTED CONFIGURATION	PARAMETER	SEVERITY	RESULT TAB.	VERDICT
Tx Mode / Low Channel / 0° - Position 1	9kHz-30MHz	15.209	EMI5131	**PASS**
Tx Mode / Low Channel / 45° - Position 1	9kHz-30MHz	15.209	EMI5132	**PASS**
Tx Mode / Low Channel / 90° - Position 1	9kHz-30MHz	15.209	EMI5133	**PASS**
Tx Mode / Low Channel / 0° - Position 2	9kHz-30MHz	15.209	EMI5134	**PASS**
Tx Mode / Low Channel / 45° - Position 2	9kHz-30MHz	15.209	EMI5135	**PASS**
Tx Mode / Low Channel / 90° - Position 2	9kHz-30MHz	15.209	EMI5136	**PASS**
Tx Mode / Low Channel / 0° - Position 3	9kHz-30MHz	15.209	EMI5137	**PASS**
Tx Mode / Low Channel / 45° - Position 3	9kHz-30MHz	15.209	EMI5138	**PASS**
Tx Mode / Low Channel / 90° - Position 3	9kHz-30MHz	15.209	EMI5139	**PASS**
Tx Mode / High Channel / 0° - Position 1	9kHz-30MHz	15.209	EMI5141	**PASS**
Tx Mode / High Channel / 45° - Position 1	9kHz-30MHz	15.209	EMI5142	**PASS**
Tx Mode / High Channel / 90° - Position 1	9kHz-30MHz	15.209	EMI5143	**PASS**
Tx Mode / High Channel / 0° - Position 2	9kHz-30MHz	15.209	EMI5144	**PASS**
Tx Mode / High Channel / 45° - Position 2	9kHz-30MHz	15.209	EMI5145	**PASS**
Tx Mode / High Channel / 90° - Position 2	9kHz-30MHz	15.209	EMI5146	**PASS**
Tx Mode / High Channel / 0° - Position 3	9kHz-30MHz	15.209	EMI5147	**PASS**
Tx Mode / High Channel / 45° - Position 3	9kHz-30MHz	15.209	EMI5148	**PASS**
Tx Mode / High Channel / 90° - Position 3	9kHz-30MHz	15.209	EMI5149	**PASS**

LABORATORY PARAMETERS:	REQUIRED PRIOR TO THE TEST	DURING THE TEST
Ambient Temperature	15 to 35 °C	*See Graph(es)*
Relative Humidity	20 to 75 %	*See Graph(es)*
Atmospheric pressure	N/A	*See Graph(es)*

Test method deviation: N/A

Supplementary information:

From 9 kHz to 30MHz: limit indicated on the curves is calculated with 40 dB/decade extrapolation factor and 51.5 dB conversion factor.

TEST EQUIPMENT USED					
CATEGORY	**BRAND**	**TYPE**	**IDENTIFIER**	**CAL. DATE**	**CAL. DUE**
Antenna	Rohde & Schwarz	HFH2-Z2	5825	24/04/2020	24/06/2022
Cable	MegaPhase	N-3m	14852	29/10/2018	29/12/2020
Cable	SUCOFLEX	N-6,5m	14380	25/07/2019	25/09/2021
Cable	MegaPhase	N-8m	15813	12/11/2018	12/01/2021
Receiver	Rohde & Schwarz	ESI	9704	03/03/2020	03/05/2021
Receiver	Rohde & Schwarz	FPL1003	16027	14/08/2020	14/10/2021
Shielded enclosure	COMTEST	SAC 3m	14494	02/10/2019	02/12/2022
Software	Nexio		0000		
Thermohygrometer	Testo	608-H1	7561	25/01/2019	25/03/2021
Thermohygrometer	Bioblock Scientific	Météostar	0963	25/01/2019	25/03/2021
Turntable	Maturo	NCD	14657		

BAT-EMC software version: V3.18.0.26 Blank cells = Permanent validity

TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHZ - TABULATED RESULTS				
TX MODE / LOW CHANNEL - ALL POSITIONS (OATS)				
Frequency (kHz)	**Preliminary measurement (Pk) (dBµA/m)**	**Final measurement (Avg) (dBµA/m)**	**Limit Avg (dBµA/m)**	**Margin (Avg-Limit)**
12.322	55.64	26.09	53.60	-27.51
20.533	35.33	15.57	48.74	-33.17
36.973	34.79	7.20	43.82	-36.62
45.201	36.12	4.35	40.70	-36.35
61.623	23.62	-3.13	38.29	-41.42
69.852	26.04	-2.45	34.93	-37.38
78.063	24.93	-8.03	49.33	-57.36
86.291	20.50	-8.82	36.47	-45.29
102.730	17.23	-8.70	34.96	-43.66

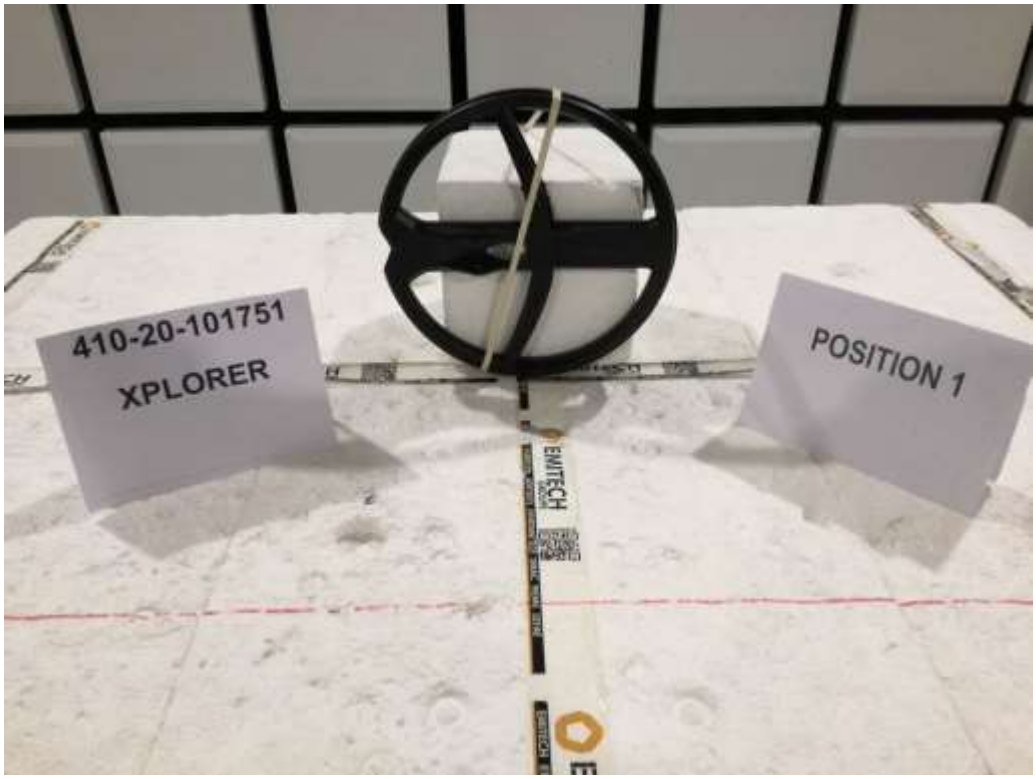
Supplementary information:

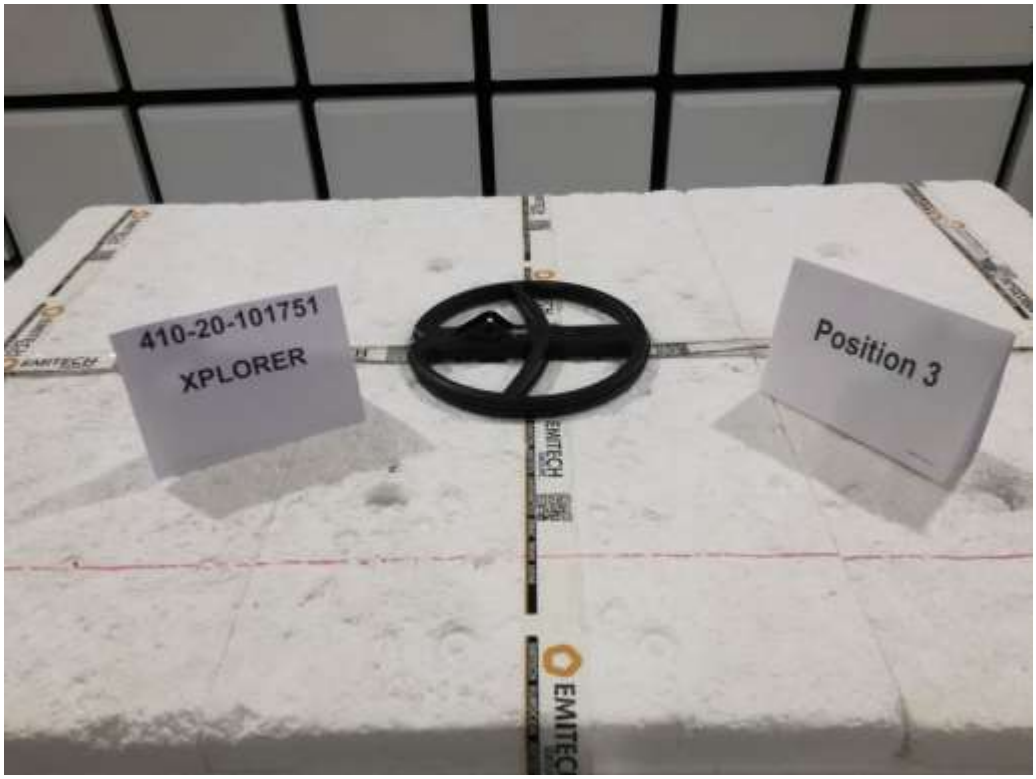
Spurious which has more than 45 dB of margin compared to the applicable limit is not necessarily reported.

TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHZ - TABULATED RESULTS				
TX MODE / HIGH CHANNEL - ALL POSITIONS (OATS)				
Frequency (kHz)	**Preliminary measurement (Pk) (dBµA/m)**	**Final measurement (Avg) (dBµA/m)**	**Limit Avg (dBµA/m)**	**Marging (Avg-Limit)**
45.201	51.71	25.19	42.08	-16.89
45.201	-32.23	27.71	42.08	-14.37
135.592	-32.31	7.20	32.54	-25.34
225.961	-32.32	0.80	28.11	-27.31
316.347	-32.39	-3.10	25.19	-28.29
406.733	-32.38	-4.40	23.00	-27.40

Supplementary information:

Spurious which has more than 30 dB of margin compared to the applicable limit is not necessarily reported.
The frequency 45.201 kHz is the utile signal.

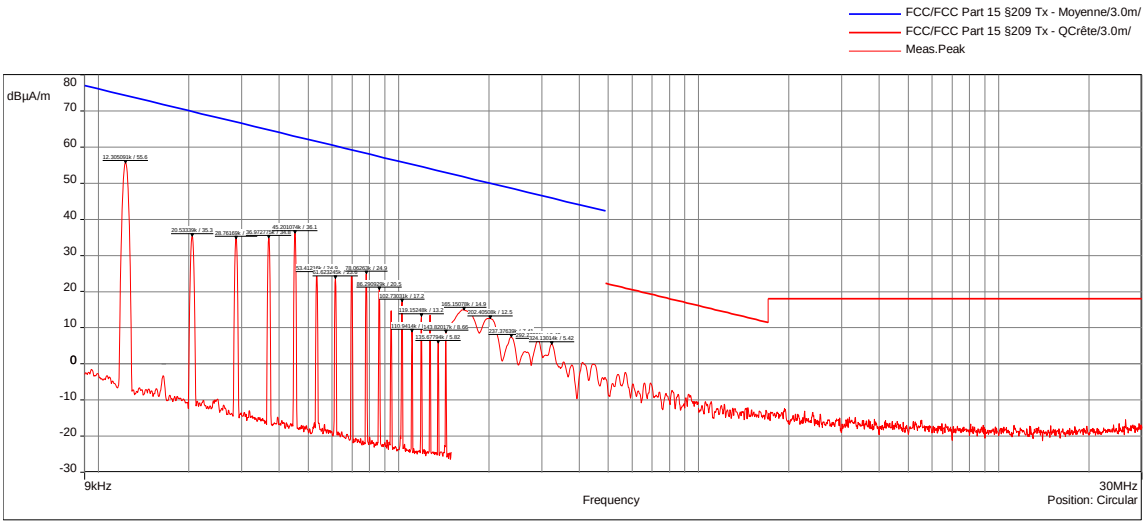
TEST SETUP PHOTO(S) -EUT POSITIONS
   

TEST SETUP PHOTO(S) -EUT POSITIONS


TEST SETUP PHOTO(S) – FOR PRELIMINARY MEASUREMENT


TEST SETUP PHOTO(S) - (OATS) - FOR FINAL MEASUREMENT


TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHZ - GRAPH			
TX MODE / LOW CHANNEL / 0° - POSITION 1		EMI5131	
EUT mode:	Tx mode	**T (°C):**	22.3
Test Date:	02/09/2020	**H (%):**	45.4
Test Operator:	OAT	**P (hPa):**	1011

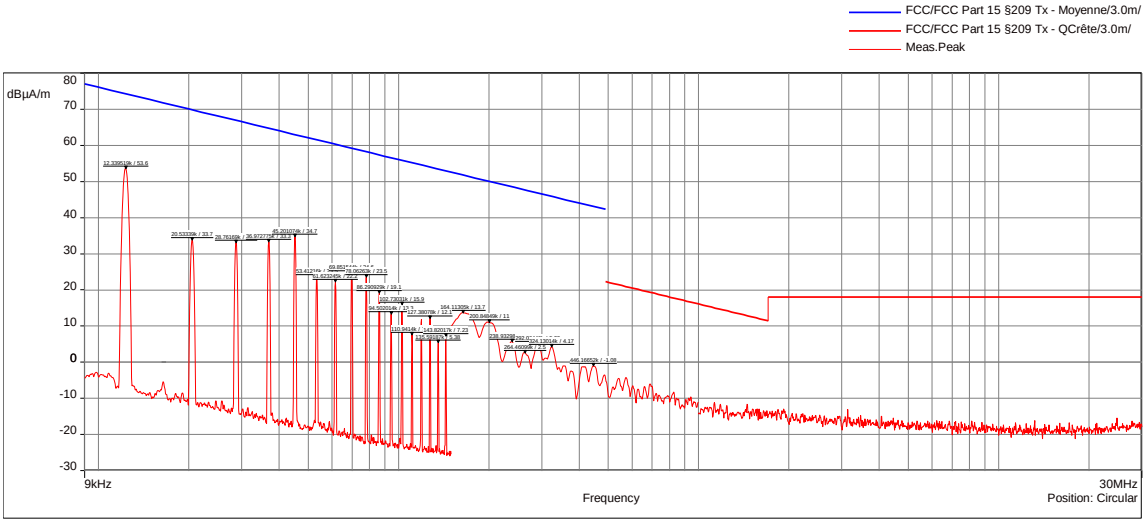


POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Circular	9kHz-150kHz	300Hz	1kHz	Peak
Circular	150kHz-1MHz	10kHz	30kHz	Peak
Circular	1MHz-30MHz	10kHz	30kHz	Peak

Configuration:	N/A
Comments:	Limit indicated on these plots are calculated with 40 dB/decade extrapolation factor and 51.5dB conversion factor.

EUT modification(s): N/A

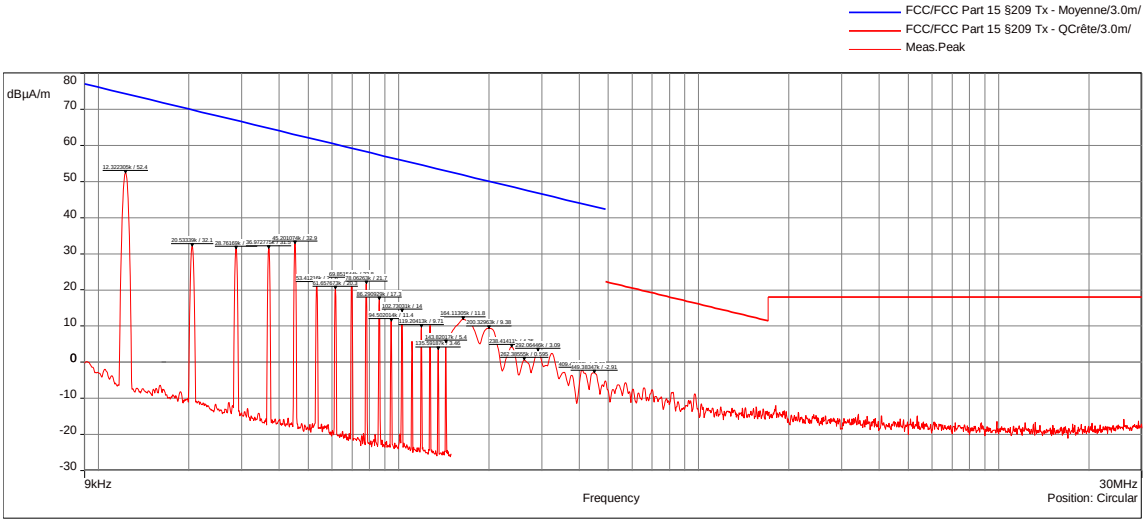
TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHZ - GRAPH			
TX MODE / LOW CHANNEL / 45° - POSITION 1		EMI5132	
EUT mode:	Tx mode	**T (°C):**	22.3
Test Date:	04/09/2020	**H (%):**	45.4
Test Operator:	OAT	**P (hPa):**	1011



POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Circular	9kHz-150kHz	300Hz	1kHz	Peak
Circular	150kHz-1MHz	10kHz	30kHz	Peak
Circular	1MHz-30MHz	10kHz	30kHz	Peak
Configuration:	N/A			
Comments:	Limit indicated on these plots are calculated with 40 dB/decade extrapolation factor and 51.5dB conversion factor.			

EUT modification(s): N/A

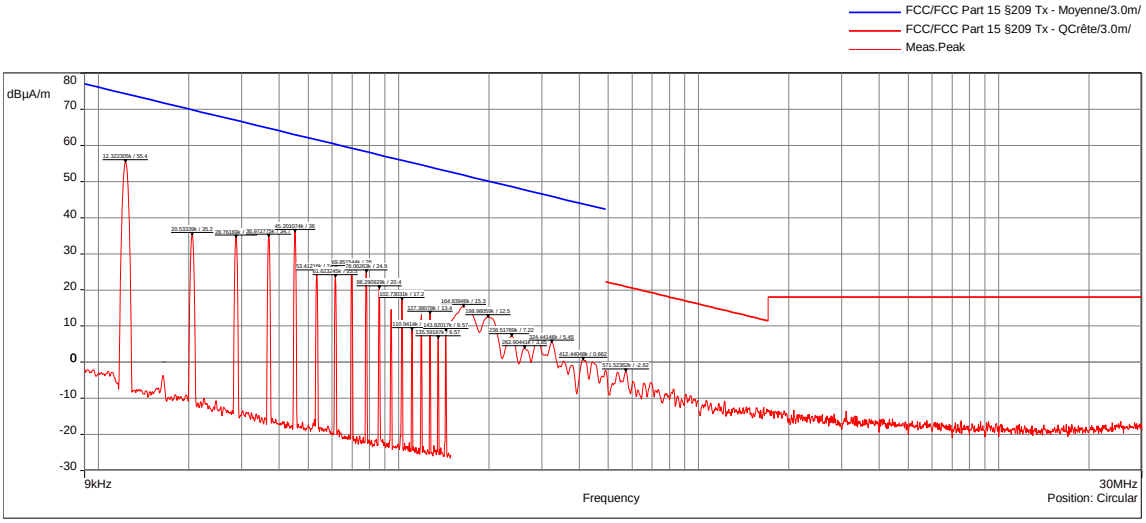
TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHZ - GRAPH			
TX MODE / LOW CHANNEL / 90° - POSITION 1		EMI5133	
EUT mode:	Tx mode	**T (°C):**	22.3
Test Date:	02/09/2020	**H (%):**	45.4
Test Operator:	OAT	**P (hPa):**	1011



POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Circular	9kHz-150kHz	300Hz	1kHz	Peak
Circular	150kHz-1MHz	10kHz	30kHz	Peak
Circular	1MHz-30MHz	10kHz	30kHz	Peak
Configuration:	N/A			
Comments:	Limit indicated on these plots are calculated with 40 dB/decade extrapolation factor and 51.5dB conversion factor.			

EUT modification(s): N/A

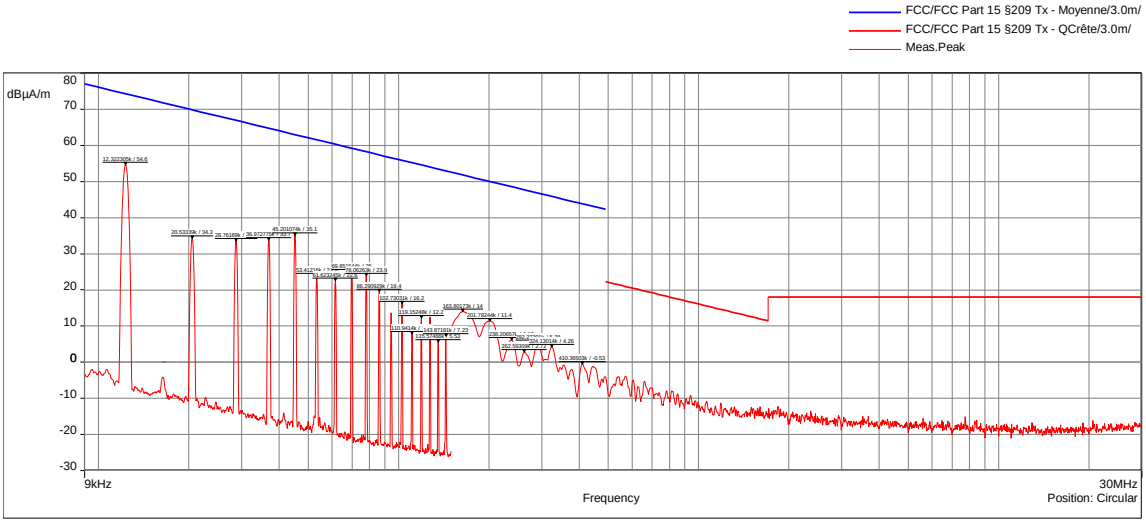
TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHZ - GRAPH			
TX MODE / LOW CHANNEL / 0° - POSITION 2		EMI5134	
EUT mode:	Tx mode	**T (°C):**	22.3
Test Date:	02/09/2020	**H (%):**	45.4
Test Operator:	OAT	**P (hPa):**	1011



POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Circular	9kHz-150kHz	300Hz	1kHz	Peak
Circular	150kHz-1MHz	10kHz	30kHz	Peak
Circular	1MHz-30MHz	10kHz	30kHz	Peak
Configuration:	N/A			
Comments:	Limit indicated on these plots are calculated with 40 dB/decade extrapolation factor and 51.5dB conversion factor.			

EUT modification(s): N/A

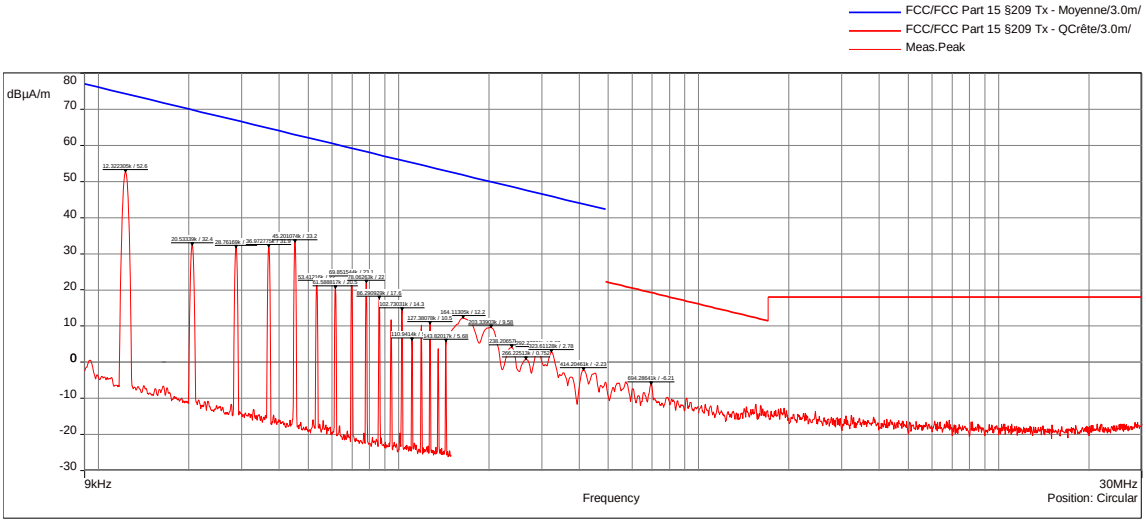
TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHZ - GRAPH			
TX MODE / LOW CHANNEL / 45° - POSITION 2		EMI5135	
EUT mode:	Tx mode	**T (°C):**	22.3
Test Date:	02/09/2020	**H (%):**	45.4
Test Operator:	OAT	**P (hPa):**	1011



POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Circular	9kHz-150kHz	300Hz	1kHz	Peak
Circular	150kHz-1MHz	10kHz	30kHz	Peak
Circular	1MHz-30MHz	10kHz	30kHz	Peak
Configuration:	N/A			
Comments:	Limit indicated on these plots are calculated with 40 dB/decade extrapolation factor and 51.5dB conversion factor.			

EUT modification(s): N/A

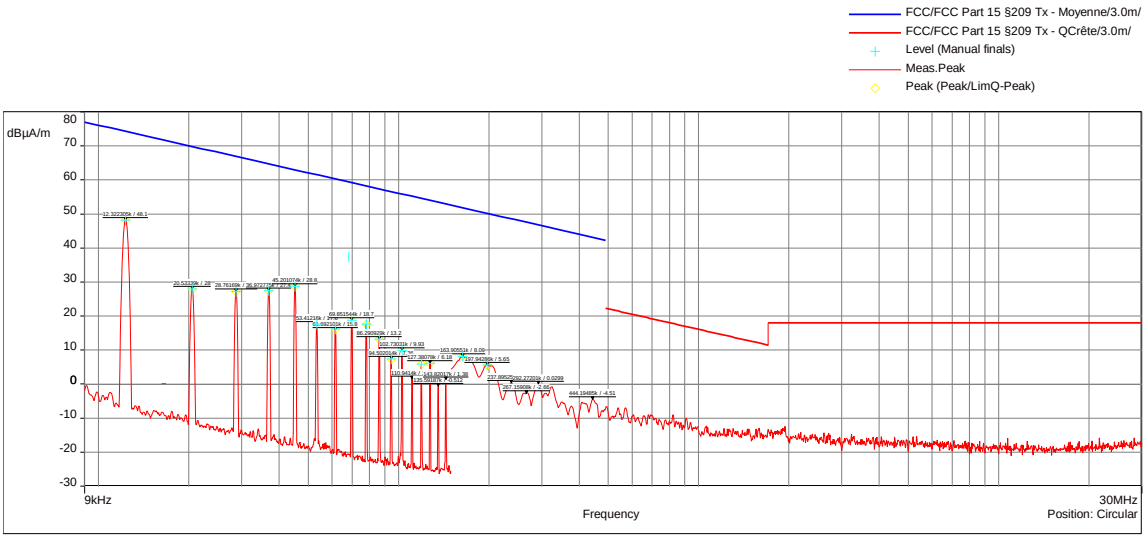
TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHZ - GRAPH			
TX MODE / LOW CHANNEL / 90° - POSITION 2		EMI5136	
EUT mode:	Tx mode	**T (°C):**	22.3
Test Date:	02/09/2020	**H (%):**	45.4
Test Operator:	OAT	**P (hPa):**	1011



POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Circular	9kHz-150kHz	300Hz	1kHz	Peak
Circular	150kHz-1MHz	10kHz	30kHz	Mesure manuelle: Mes.Avg;
Circular	1MHz-30MHz	10kHz	30kHz	Peak
Configuration:	N/A			
Comments:	Limit indicated on these plots are calculated with 40 dB/decade extrapolation factor and 51.5dB conversion factor.			

EUT modification(s): N/A

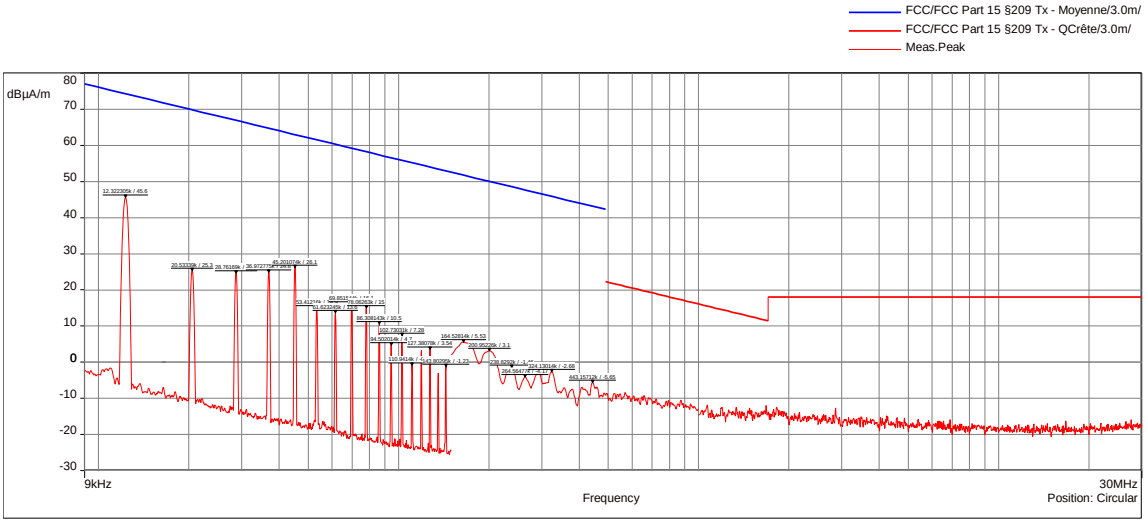
TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHZ - GRAPH			
TX MODE / LOW CHANNEL / 0° - POSITION 3		EMI5137	
EUT mode:	Tx mode	**T (°C):**	22.3
Test Date:	02/09/2020	**H (%):**	45.4
Test Operator:	OAT	**P (hPa):**	1011



POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Circular	9kHz-150kHz	300Hz	1kHz	Peak
Circular	150kHz-1MHz	10kHz	30kHz	Peak
Circular	1MHz-30MHz	10kHz	30kHz	Peak
Configuration:	N/A			
Comments:	Limit indicated on these plots are calculated with 40 dB/decade extrapolation factor and 51.5dB conversion factor.			

EUT modification(s): N/A

TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHZ - GRAPH			
TX MODE / LOW CHANNEL / 45° - POSITION 3		EMI5138	
EUT mode:	Tx mode	**T (°C):**	22.3
Test Date:	02/09/2020	**H (%):**	45.4
Test Operator:	OAT	**P (hPa):**	1011

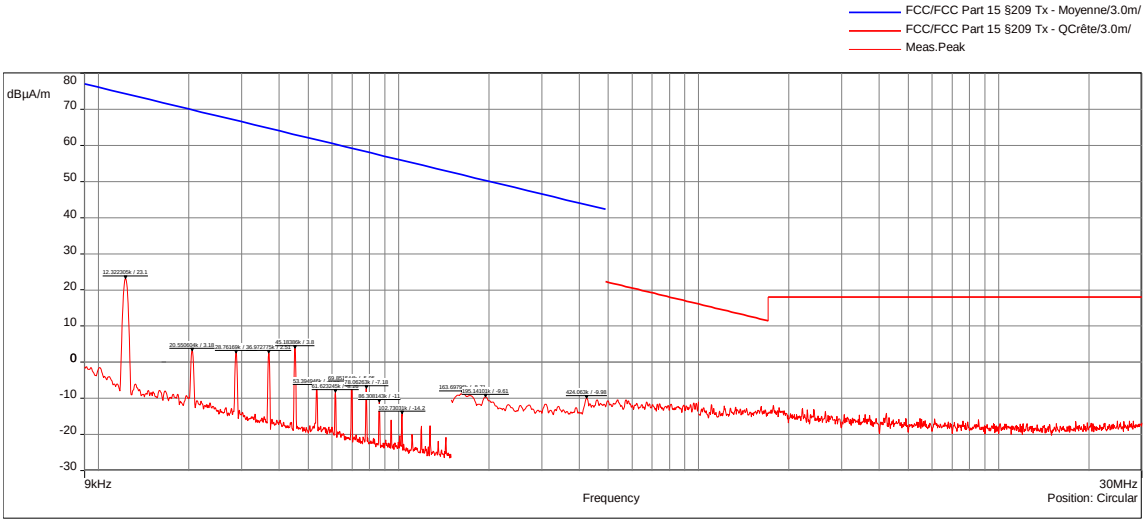


POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Circular	9kHz-150kHz	300Hz	1kHz	Peak
Circular	150kHz-1MHz	10kHz	30kHz	Peak
Circular	1MHz-30MHz	10kHz	30kHz	Peak

Configuration:	N/A
Comments:	Limit indicated on these plots are calculated with 40 dB/decade extrapolation factor and 51.5dB conversion factor.

EUT modification(s): N/A

TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHZ - GRAPH			
TX MODE / LOW CHANNEL / 90° - POSITION 3		EMI5139	
EUT mode:	Tx mode	**T (°C):**	22.3
Test Date:	02/09/2020	**H (%):**	45.4
Test Operator:	OAT	**P (hPa):**	1011

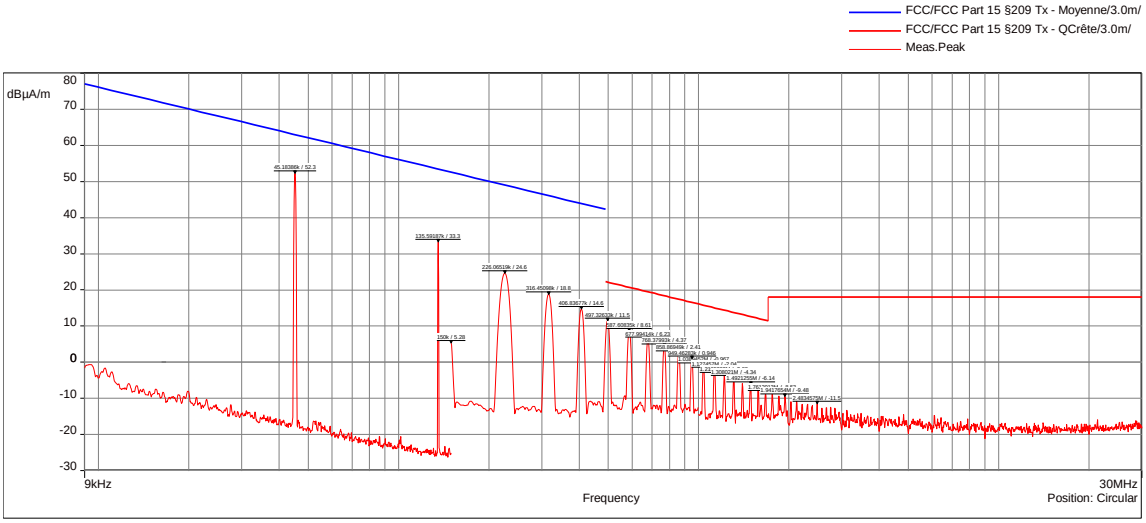


POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Circular	9kHz-150kHz	300Hz	1kHz	Peak
Circular	150kHz-1MHz	10kHz	30kHz	Peak
Circular	1MHz-30MHz	10kHz	30kHz	Peak

Configuration:	N/A
Comments:	Limit indicated on these plots are calculated with 40 dB/decade extrapolation factor and 51.5dB conversion factor.

EUT modification(s): N/A

TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHZ - GRAPH			
TX MODE / HIGH CHANNEL / 0° - POSITION 1		EMI5141	
EUT mode:	Tx mode	**T (°C):**	22.6
Test Date:	04/09/2020	**H (%):**	43.2
Test Operator:	OAT	**P (hPa):**	1015

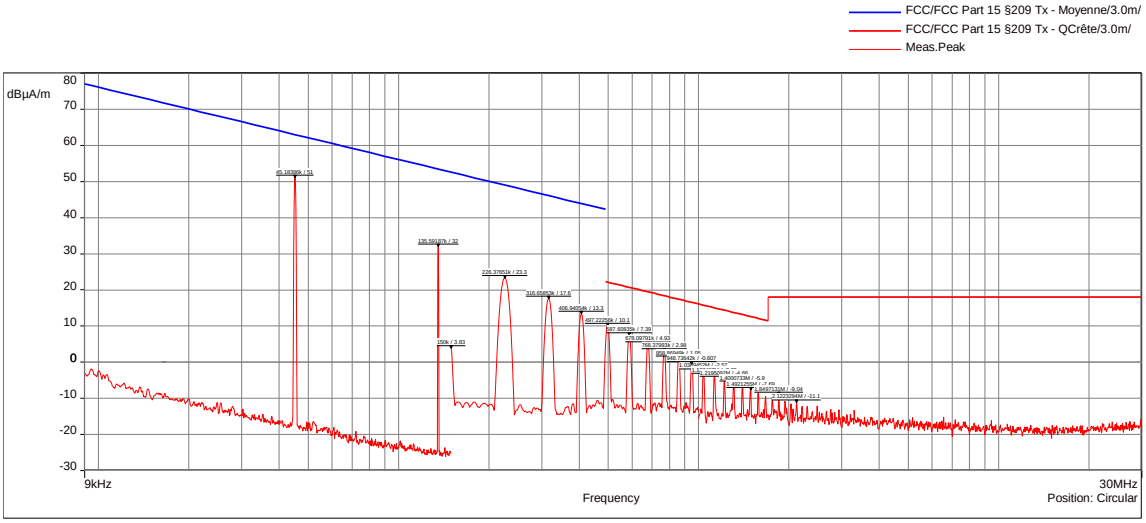


POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Circular	9kHz-150kHz	300Hz	1kHz	Peak
Circular	150kHz-1MHz	10kHz	30kHz	Peak
Circular	1MHz-30MHz	10kHz	30kHz	Peak

Configuration:	N/A
Comments:	Limit indicated on these plots are calculated with 40 dB/decade extrapolation factor and 51.5dB conversion factor.

EUT modification(s): N/A

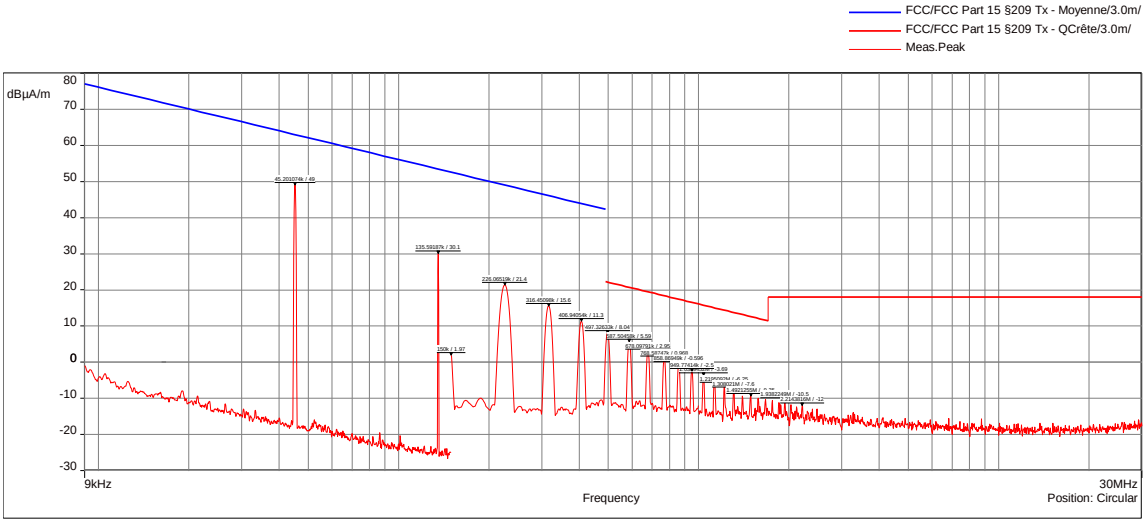
TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHZ - GRAPH			
TX MODE / HIGH CHANNEL / 45° - POSITION 1		EMI5142	
EUT mode:	Tx mode	**T (°C):**	22.6
Test Date:	03/09/2020	**H (%):**	43.2
Test Operator:	OAT	**P (hPa):**	1015



POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Circular	9kHz-150kHz	300Hz	1kHz	Peak
Circular	150kHz-1MHz	10kHz	30kHz	Peak
Circular	1MHz-30MHz	10kHz	30kHz	Peak
Configuration:	N/A			
Comments:	Limit indicated on these plots are calculated with 40 dB/decade extrapolation factor and 51.5dB conversion factor.			

EUT modification(s): N/A

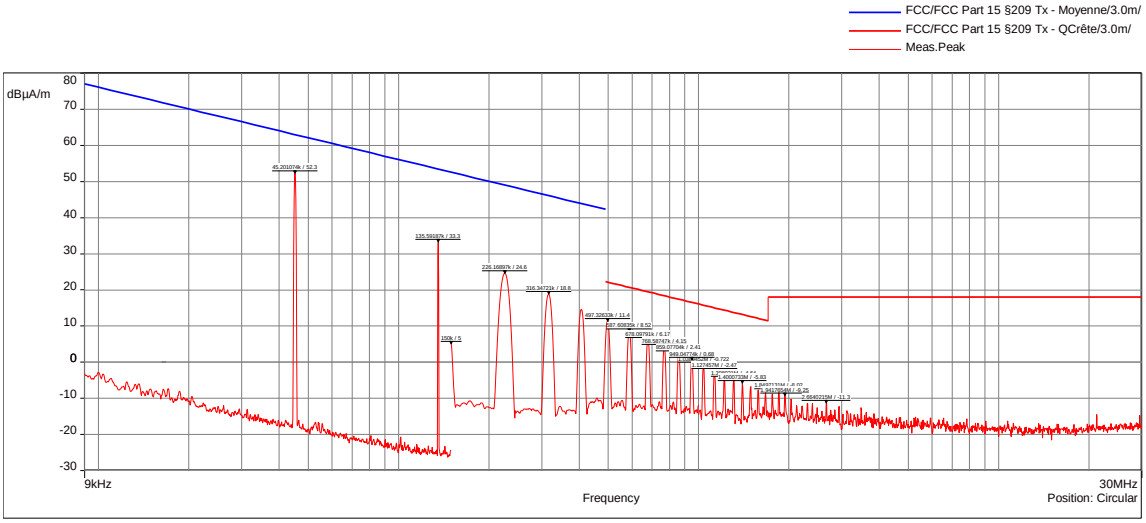
TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHZ - GRAPH			
TX MODE / HIGH CHANNEL / 90° - POSITION 1		EMI5143	
EUT mode:	Tx mode	**T (°C):**	22.6
Test Date:	03/09/2020	**H (%):**	43.2
Test Operator:	OAT	**P (hPa):**	1015



POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Circular	9kHz-150kHz	300Hz	1kHz	Peak
Circular	150kHz-1MHz	10kHz	30kHz	Peak
Circular	1MHz-30MHz	10kHz	30kHz	Peak
Configuration:	N/A			
Comments:	Limit indicated on these plots are calculated with 40 dB/decade extrapolation factor and 51.5dB conversion factor.			

EUT modification(s): N/A

TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHZ - GRAPH			
TX MODE / HIGH CHANNEL / 0° - POSITION 2		EMI5144	
EUT mode:	Tx mode	**T (°C):**	22.6
Test Date:	03/09/2020	**H (%):**	43.2
Test Operator:	OAT	**P (hPa):**	1015

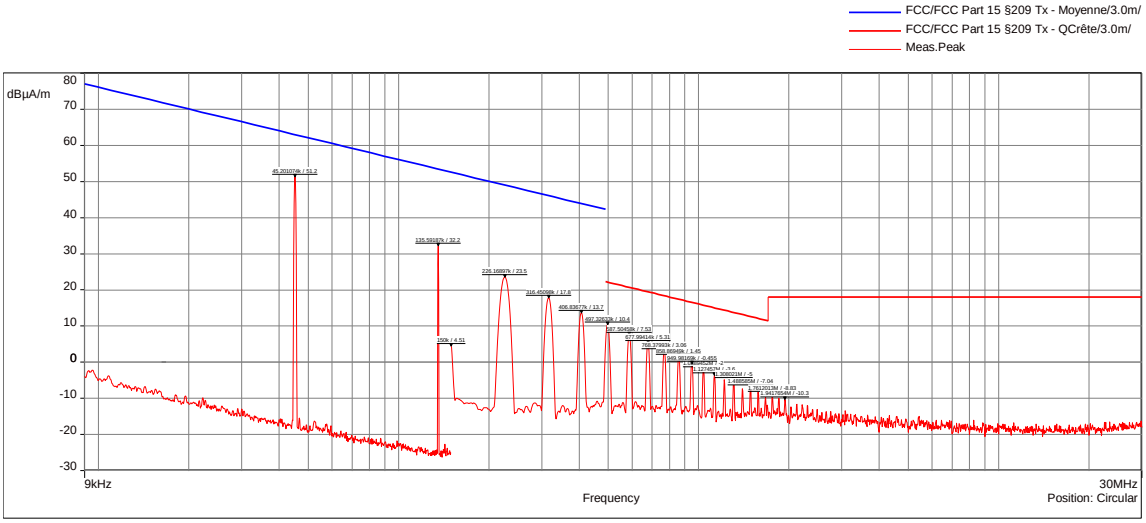


POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Circular	9kHz-150kHz	300Hz	1kHz	Peak
Circular	150kHz-1MHz	10kHz	30kHz	Peak
Circular	1MHz-30MHz	10kHz	30kHz	Peak

Configuration:	N/A
Comments:	Limit indicated on these plots are calculated with 40 dB/decade extrapolation factor and 51.5dB conversion factor.

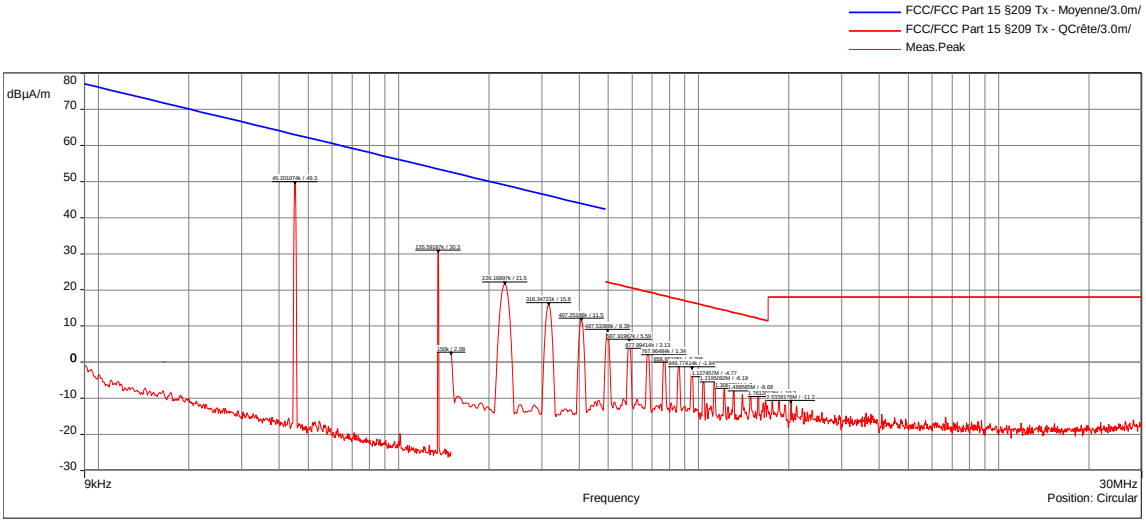
EUT modification(s): N/A

TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHZ - GRAPH			
TX MODE / HIGH CHANNEL / 45° - POSITION 2		EMI5145	
EUT mode:	Tx mode	**T (°C):**	22.6
Test Date:	03/09/2020	**H (%):**	43.2
Test Operator:	OAT	**P (hPa):**	1015



POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Circular	9kHz-150kHz	300Hz	1kHz	Peak
Circular	150kHz-1MHz	10kHz	30kHz	Peak
Circular	1MHz-30MHz	10kHz	30kHz	Peak
Configuration:	N/A			
Comments:	Limit indicated on these plots are calculated with 40 dB/decade extrapolation factor and 51.5dB conversion factor.			
EUT modification(s): N/A				

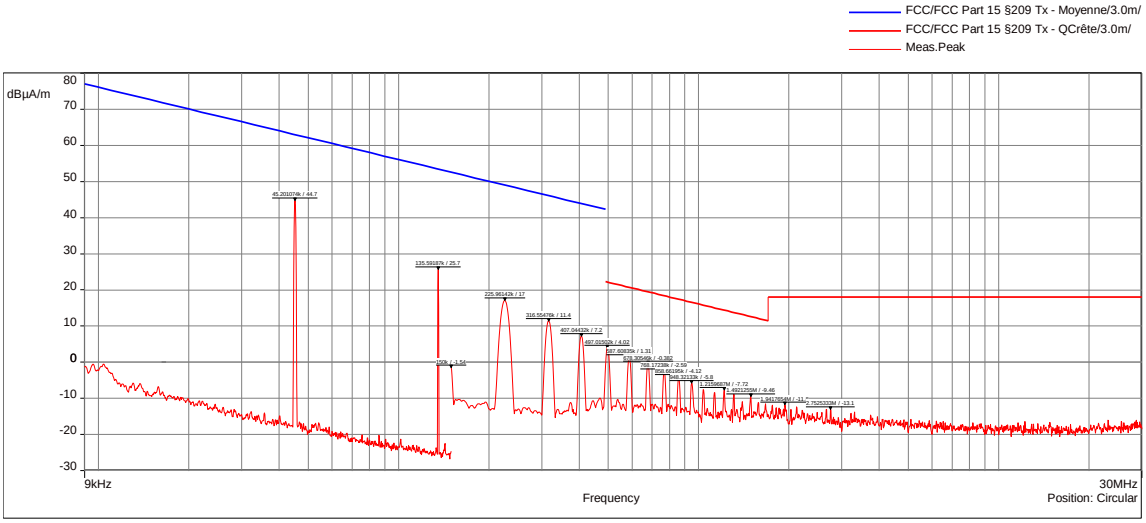
TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHZ - GRAPH			
TX MODE / HIGH CHANNEL / 90° - POSITION 2		EMI5146	
EUT mode:	Tx mode	**T (°C):**	22.6
Test Date:	03/09/2020	**H (%):**	43.2
Test Operator:	OAT	**P (hPa):**	1015



POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Circular	9kHz-150kHz	300Hz	1kHz	Peak
Circular	150kHz-1MHz	10kHz	30kHz	Peak
Circular	1MHz-30MHz	10kHz	30kHz	Peak
Configuration:	N/A			
Comments:	Limit indicated on these plots are calculated with 40 dB/decade extrapolation factor and 51.5dB conversion factor.			

EUT modification(s): N/A

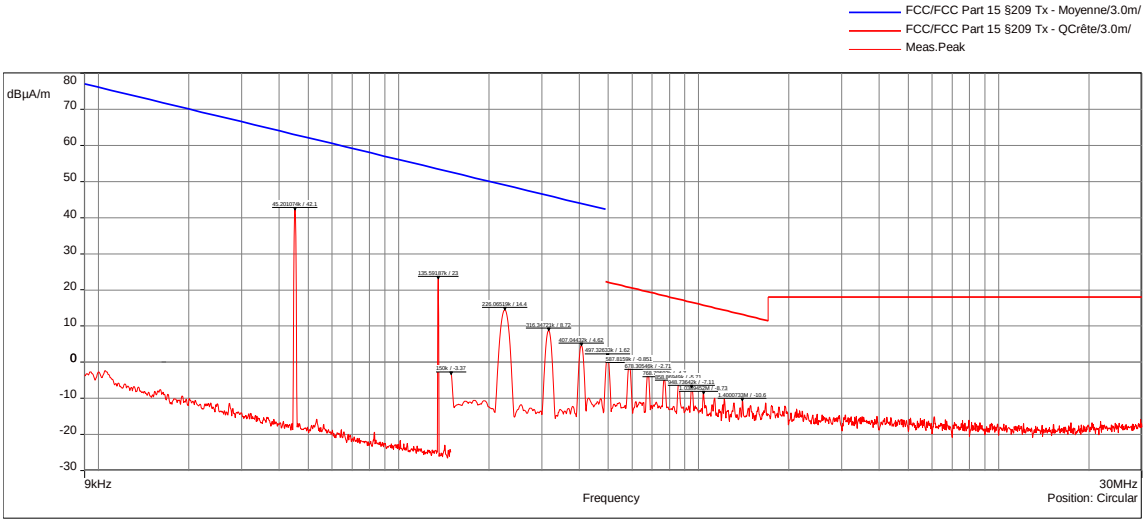
TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHZ - GRAPH			
TX MODE / HIGH CHANNEL / 0° - POSITION 3		EMI5147	
EUT mode:	Tx mode	**T (°C):**	22.6
Test Date:	03/09/2020	**H (%):**	43.2
Test Operator:	OAT	**P (hPa):**	1015



POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Circular	9kHz-150kHz	300Hz	1kHz	Peak
Circular	150kHz-1MHz	10kHz	30kHz	Peak
Circular	1MHz-30MHz	10kHz	30kHz	Peak
Configuration:	N/A			
Comments:	Limit indicated on these plots are calculated with 40 dB/decade extrapolation factor and 51.5dB conversion factor.			

EUT modification(s): N/A

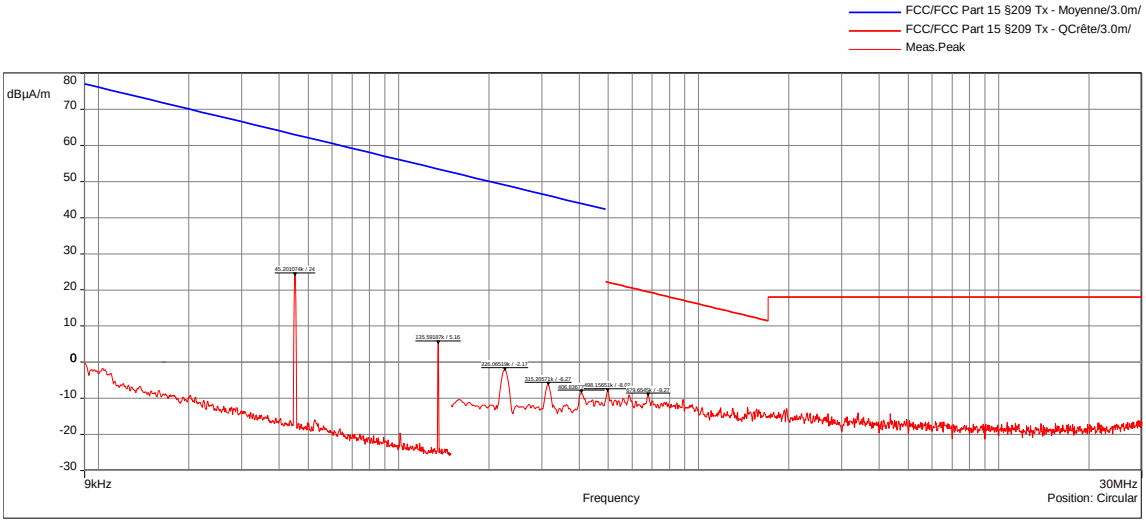
TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHZ - GRAPH			
TX MODE / HIGH CHANNEL / 45° - POSITION 3		EMI5148	
EUT mode:	Tx mode	**T (°C):**	22.6
Test Date:	03/09/2020	**H (%):**	43.2
Test Operator:	OAT	**P (hPa):**	1015



POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Circular	9kHz-150kHz	300Hz	1kHz	Peak
Circular	150kHz-1MHz	10kHz	30kHz	Peak
Circular	1MHz-30MHz	10kHz	30kHz	Peak
Configuration:	N/A			
Comments:	Limit indicated on these plots are calculated with 40 dB/decade extrapolation factor and 51.5dB conversion factor.			

EUT modification(s): N/A

TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHZ - GRAPH			
TX MODE / HIGH CHANNEL / 90° - POSITION 3		EMI5149	
EUT mode:	Tx mode	**T (°C):**	22.6
Test Date:	03/09/2020	**H (%):**	43.2
Test Operator:	OAT	**P (hPa):**	1015



POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Circular	9kHz-150kHz	300Hz	1kHz	Peak
Circular	150kHz-1MHz	10kHz	30kHz	Peak
Circular	1MHz-30MHz	10kHz	30kHz	Peak
Configuration:	N/A			
Comments:	Limit indicated on these plots are calculated with 40 dB/decade extrapolation factor and 51.5dB conversion factor.			

EUT modification(s): N/A

7.3. Transmitter radiated spurious emissions at frequencies >30MHz

Reference standard:	FCC part 15 Radio part 15.209 & CNR-Gen
Test method:	FCC part 15.109, 15.209, 15.205, 15.215, CNR-Gen

General test setup: EUT is set on an insulating support at 80cm above the ground reference plane.

Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 3-meter. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in horizontal and vertical polarities.

Final measurements (quasi-peak or average) were then performed in a semi-anechoic chamber or Open Area Test Site that complies to CISPR 16. The EUT was rotated 360° about its azimuth and adjusting the receive antenna height from 1 to 4 m.

All frequencies were investigated, where applicable.

For portable equipements a research of maximum level is done on the 3 axes. Only the highest levels are recorded.

TESTED CONFIGURATION	PARAMETER	SEVERITY	RESULT TAB.	VERDICT
Tx mode / All Freq - All Positions	30MHz-1GHz	15.209	EMI5120	**PASS**

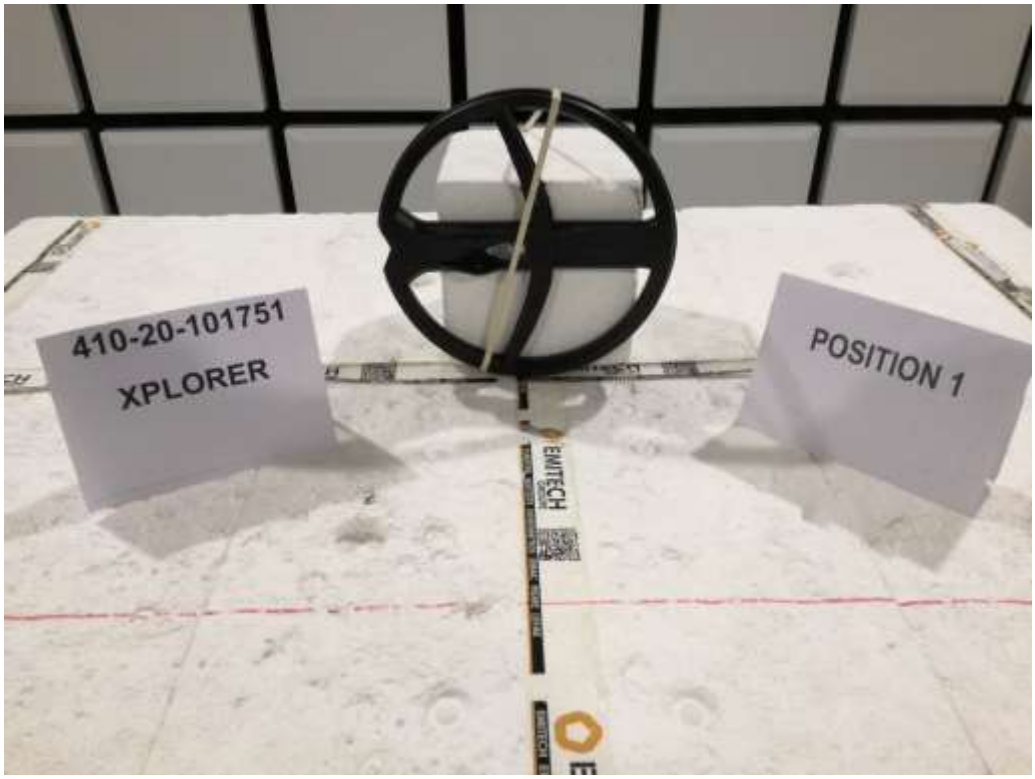
LABORATORY PARAMETERS:	REQUIRED PRIOR TO THE TEST	DURING THE TEST
Ambient Temperature	15 to 35 °C	*See Graph(es)*
Relative Humidity	20 to 75 %	*See Graph(es)*
Atmospheric pressure	N/A	*See Graph(es)*
Test method deviation: N/A		
Supplementary information: N/A		

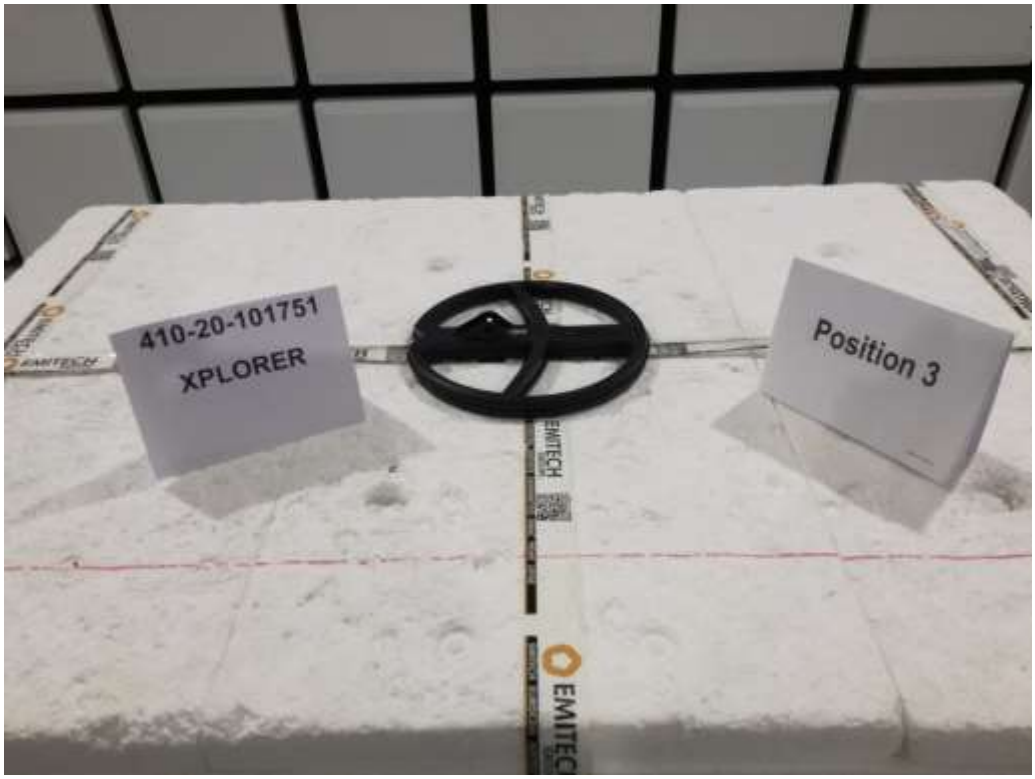
TEST EQUIPMENT USED

CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
Antenna	Electro Metrics	BIA-30HF	0824	13/06/2018	13/08/2021
Antenna	Rohde & Schwarz	HL223	3126	13/06/2018	13/08/2021
Cable	MegaPhase	F135N1N28	16664	25/10/2019	25/12/2021
Cable	MegaPhase	F135N1N28	16666	25/10/2019	25/12/2021
Cable	C&C	N-1.5m	10554	20/12/2019	20/02/2022
Cable	MegaPhase	N-3m	14852	29/10/2018	29/12/2020
Cable	SUCOFLEX	N-6,5m	14380	25/07/2019	25/09/2021
Cable	MegaPhase	N-8m	15813	12/11/2018	12/01/2021
Preamplifier	Mini-circuit	ZFL-1000LN	1321	25/06/2019	25/02/2021
Receiver	Rohde & Schwarz	FPL1003	16027	14/08/2020	14/10/2021
Software	Nexio		0000		
Thermohygrometer	Testo	608-H2	12269	07/05/2020	07/07/2022
Thermohygrometer	Bioblock Scientific	Météostar	0963	25/01/2019	25/03/2021

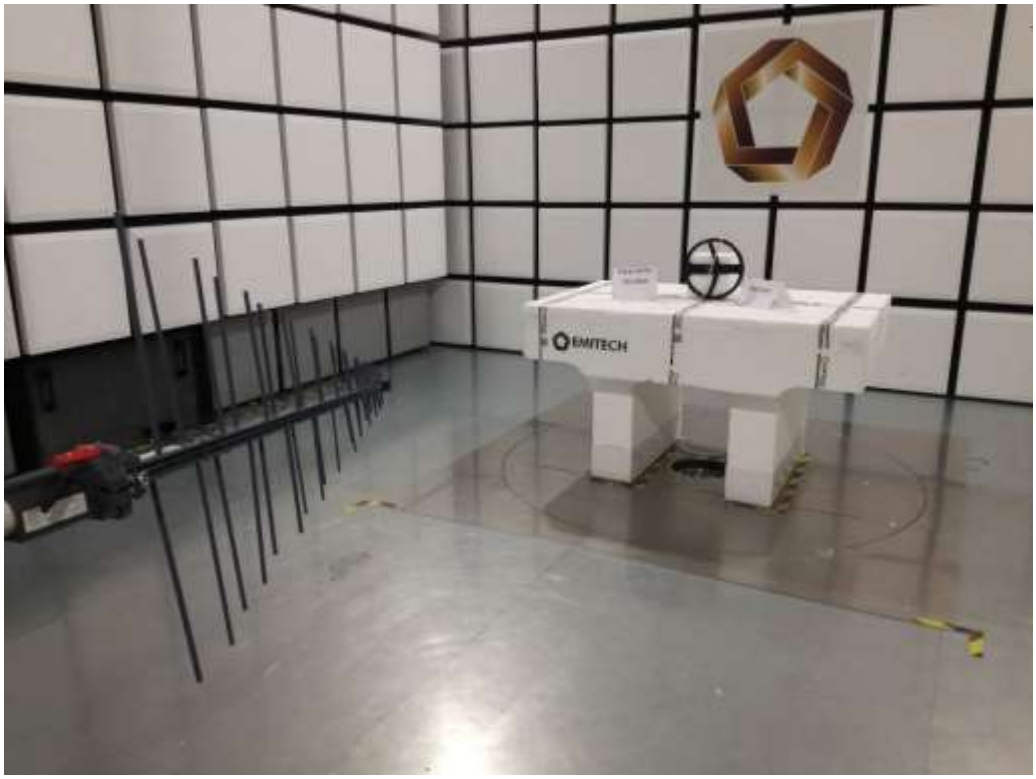
BAT-EMC software version: V3.18.0.26 Blank cells = Permanent validity

TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHZ - TABULATED RESULTS				
TX MODE / ALL FREQ - ALL POSITIONS				
Frequency (kHz)	**Preliminary measurement (Pk) (dBµV/m)**	**Final measurement (QP) (dBµV/m)**	**Limit QP (dBµV/m)**	**Margin (QP-Limit)**
N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.				

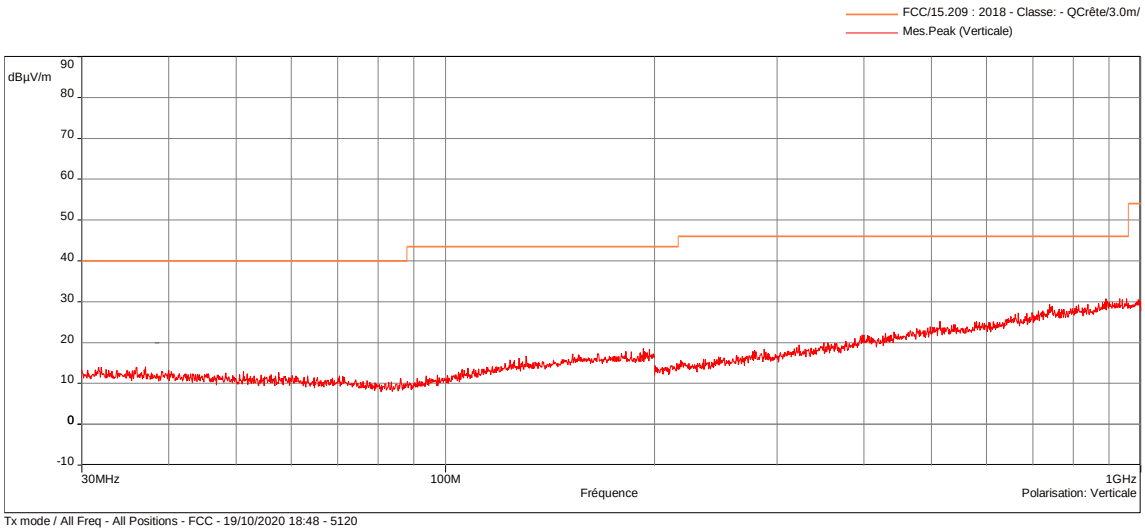
TEST SETUP PHOTO(S) -EUT POSITIONS
   

TEST SETUP PHOTO(S) -EUT POSITIONS


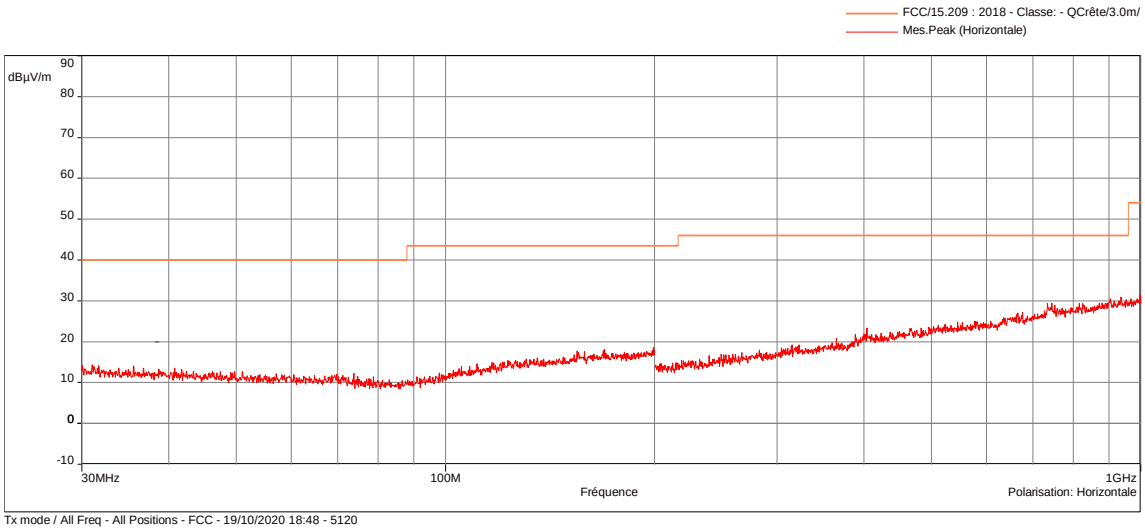
TEST SETUP PHOTO(S) – FOR FREQ < 200MHZ


TEST SETUP PHOTO(S) – FOR FREQ > 200MHZ


TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHZ - GRAPH			
TX MODE / ALL FREQ - ALL POSITIONS		EMI5120	
EUT mode:	Tx mode	**T (°C):**	23.5
Test Date:	03/09/2020	**H (%):**	52.6
Test Operator:	OAT	**P (hPa):**	1015



Tx mode / All Freq - All Positions - FCC - 19/10/2020 18:48 - 5120



Tx mode / All Freq - All Positions - FCC - 19/10/2020 18:48 - 5120

POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Vertical	30MHz-200MHz	100kHz	300kHz	Peak
Horizontal	30MHz-200MHz	100kHz	300kHz	Peak
Vertical	200MHz-1GHz	100kHz	300kHz	Peak
Horizontal	200MHz-1GHz	100kHz	300kHz	Peak
Configuration:	N/A			
Comments:	N/A			
EUT modification(s): N/A				

7.4. H-field (radiated)

Reference standard:	FCC part 15 Radio part 15.209 & CNR-Gen
Test method:	FCC part 15.109, 15.209, 15.205, 15.215, CNR-Gen

Test description: The H-field is measured with a shielded loop antenna connected to a measurement receiver at standard distance of 10 m.

For EUT with integral or dedicated antenna, measurements are done on a normalized test site (OATS) that complies to CISPR 16.. EUT is set on an insulating support at 80cm above the ground reference plane.

The EUT was rotated 360° in order to maximize radiated levels. Test antenna was oriented in 3 axes (0°, 45° and 90°).

Then EUT is set inside the climatic enclosure. Measurements are repeated in extreme test conditions with the carrier level correlated with the maximum carrier level measured in normal conditions. EUT is powered by a stabilized power supply.

TEST CASE	EUT MODE	SEVERITY	RESULT TAB.	VERDICT
Low channel (OATS) / Position 1	Tx mode	N/A for information	EMI5647	**N/A**
Low channel (OATS) / Position 2	Tx mode		EMI5648	**N/A**
Low channel (OATS) / Position 3	Tx mode		EMI5649	**N/A**
High channel (OATS) / Position 1	Tx mode	15.209	EMI5659	**PASS**
High channel (OATS) / Position 2	Tx mode	15.209	EMI5660	**PASS**
High channel (OATS) / Position 3	Tx mode	15.209	EMI5661	**PASS**
Low channel / 25°C / 3.7Vdc	Tx mode	N/A for information	EMI5650	**N/A**
Low channel / 25°C / 4.5Vdc	Tx mode		EMI5651	**N/A**
Low channel / 25°C / 3.45Vdc	Tx mode		EMI5652	**N/A**
High channel / 25°C / 3.7Vdc	Tx mode	15.209	EMI5662	**PASS**
High channel / 25°C / 4.5Vdc	Tx mode	15.209	EMI5663	**PASS**
High channel / 25°C / 3.45Vdc	Tx mode	15.209	EMI5664	**PASS**
Low channel / 40°C / 3.7Vdc	Tx mode	N/A for information	EMI5653	**N/A**
Low channel / 40°C / 4.5Vdc	Tx mode		EMI5654	**N/A**
Low channel / 40°C / 3.45Vdc	Tx mode		EMI5655	**N/A**
High channel / 40°C / 3.7Vdc	Tx mode	15.209	EMI5665	**PASS**
High channel / 40°C / 4.5Vdc	Tx mode	15.209	EMI5666	**PASS**
High channel / 40°C / 3.45Vdc	Tx mode	15.209	EMI5667	**PASS**
Low channel / -5°C / 3.7Vdc	Tx mode	N/A for information	EMI5656	**N/A**
Low channel / -5°C / 4.5Vdc	Tx mode		EMI5657	**N/A**
Low channel / -5°C / 3.45Vdc	Tx mode		EMI5658	**N/A**
High channel / -5°C / 3.7Vdc	Tx mode	15.209	EMI5668	**PASS**
High channel / -5°C / 4.5Vdc	Tx mode	15.209	EMI5669	**PASS**
High channel / -5°C / 3.45Vdc	Tx mode	15.209	EMI5670	**PASS**

LABORATORY PARAMETERS:	REQUIRED PRIOR TO THE TEST	DURING THE TEST
Ambient Temperature	15 to 35 °C	25.3 °C
Relative Humidity	20 to 75 %	54.1 %
Atmospheric pressure	N/A	1016 hPa

Test method deviation: The EUT is encapuslated in a casing. We were not able to measure its voltage supply during radiated tests

Supplementary information: N/A

TEST EQUIPMENT USED					
CATEGORY	**BRAND**	**TYPE**	**IDENTIFIER**	**CAL. DATE**	**CAL. DUE**
Antenna	Emco	6507	4211	04/09/2020	04/11/2022
Antenna	Rohde & Schwarz	HFH2-Z2	5825	24/04/2020	24/06/2022
Attenuator	Radiall	R412710124	17329	22/06/2020	22/08/2023
Cable	N	3m	16421	04/05/2019	04/07/2021
Cable	Huber + Suhner	N-20m	8385	07/11/2017	07/01/2021
Cable	Huber + Suhner	SF102K	16041	28/02/2019	28/04/2021
Climatic enclosure	CLIMATS	EXCAL 7714-HA	14261	19/09/2019	19/11/2020
Open area test site	EMITECH	Salinelles	3482	10/10/2017	10/12/2020
Power supply	TTI	TSX-1820P	4365		
Receiver	Rohde & Schwarz	FSW43	14830	16/01/2019	16/03/2021
Spectrum analyzer	Agilent Technologies	E4440A	5824	24/04/2018	24/12/2020
Thermo-Hygro-Baromètre	LUFFT	OPUS 20	14563	05/02/2020	05/04/2021
Thermohygrometer	Testo	608-H2	12268	07/05/2020	07/07/2022
Wattmeter	Rohde & Schwarz	HMC 8015	17005	05/03/2020	05/05/2021

Blank cells = Permanent validity

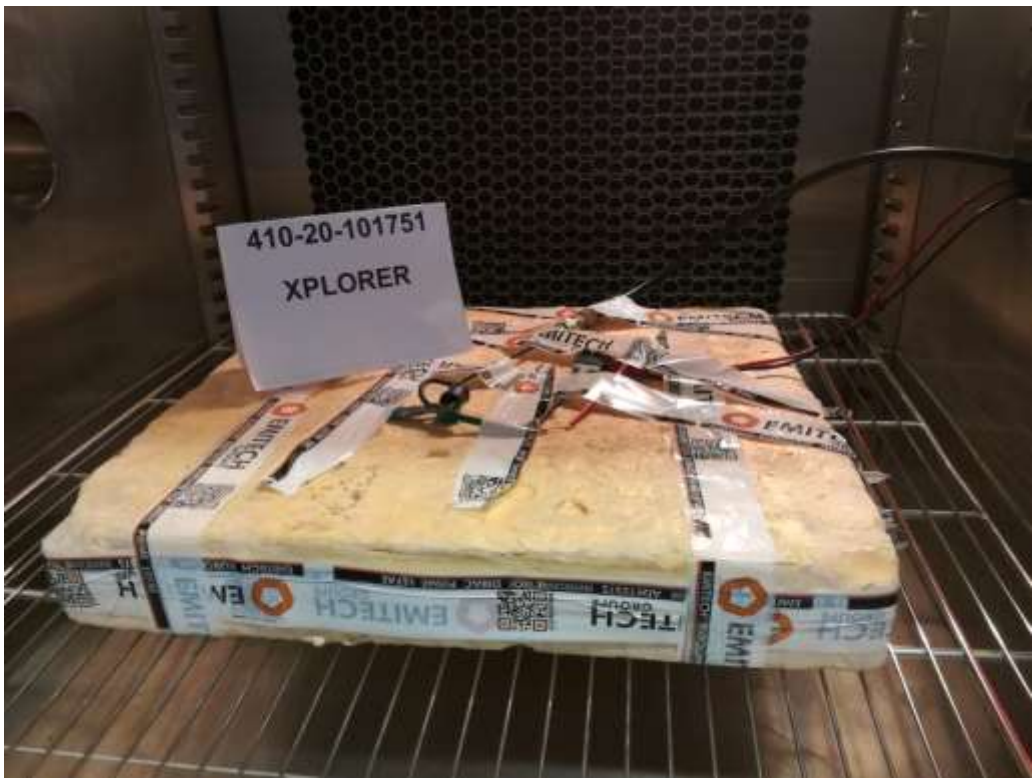
TEST SETUP PHOTO(S) -EUT POSITION 1


TEST SETUP PHOTO(S) -EUT POSITION 2


TEST SETUP PHOTO(S) -EUT POSITION 3


TEST SETUP PHOTO(S) - (OATS) - FOR FREQ 4.1KHZ


TEST SETUP PHOTO(S) - (OATS) - FOR FREQ 45.19KHZ


TEST SETUP PHOTO(S) – EXTREME CONDITION


TEST SETUP PHOTO(S) – EXTREME CONDITION


H-FIELD (RADIATED) - TABULATED RESULTS				
TEST CONDITION	**FREQUENCY**	**LEVEL**	**LIMIT**	**RESULT TAB.**
Low channel (OATS) / Position 1	4.1kHz	39.2 dBµA/m (Azimuth: 0°) (Antenna Pos: 0°)	N/A for information	EMI5647
Low channel (OATS) / Position 2	4.1kHz	39.0 dBµA/m (Azimuth: 0°) (Antenna Pos: 0°)		EMI5648
Low channel (OATS) / Position 3	4.1kHz	22.43 dBµA/m (Azimuth: 0°) (Antenna Pos: 90°)		EMI5649
High channel (OATS) / Position 1	45.19kHz	25.71 dBµA/m (Azimuth: 0°) (Antenna Pos: 0°)	42.09	EMI5659
High channel (OATS) / Position 2	45.19kHz	25.58 dBµA/m (Azimuth: 0°) (Antenna Pos: 0°)		EMI5660
High channel (OATS) / Position 3	45.19kHz	0.96 dBµA/m (Azimuth: 100°) (Antenna Pos: 45°)		EMI5661
Low channel / 25°C / 3.7Vdc	4.1 kHz	39.2 dBµA/m	N/A for information	EMI5650
Low channel / 25°C / 4.5Vdc	4.1 kHz	39.2 dBµA/m		EMI5651
Low channel / 25°C / 3.45Vdc	4.1 kHz	39.2 dBµA/m		EMI5652
High channel / 25°C / 3.7Vdc	45.19kHz	25.71 dBµA/m	42.09	EMI5662
High channel / 25°C / 4.5Vdc	45.19kHz	25.71 dBµA/m		EMI5663
High channel / 25°C / 3.45Vdc	45.19kHz	25.71 dBµA/m		EMI5664
Low channel / 40°C / 3.7Vdc	4.1 kHz	39.67 dBµA/m	N/A for information	EMI5653
Low channel / 40°C / 4.5Vdc	4.1 kHz	39.67 dBµA/m		EMI5654
Low channel / 40°C / 3.45Vdc	4.1 kHz	39.67 dBµA/m		EMI5655
High channel / 40°C / 3.7Vdc	45.19kHz	25.66 dBµA/m	42.09	EMI5665
High channel / 40°C / 4.5Vdc	45.19kHz	25.66 dBµA/m		EMI5666
High channel / 40°C / 3.45Vdc	45.19kHz	25.66 dBµA/m		EMI5667
Low channel / -5°C / 3.7Vdc	4.1 kHz	39.06 dBµA/m	N/A for information	EMI5656
Low channel / -5°C / 4.5Vdc	4.1 kHz	39.06 dBµA/m		EMI5657
Low channel / -5°C / 3.45Vdc	4.1 kHz	39.06 dBµA/m		EMI5658
High channel / -5°C / 3.7Vdc	45.19kHz	25.02 dBµA/m	42.09	EMI5668
High channel / -5°C / 4.5Vdc	45.19kHz	25.02 dBµA/m		EMI5669
High channel / -5°C / 3.45Vdc	45.19kHz	25.02 dBµA/m		EMI5670

EUT MODIFICATIONS	OPERATOR	TEST DATE	RESULT TAB.
N/A	OAT	25/09/2020	-

7.5. Modulation bandwidth

Reference standard:	FCC part 15 Radio part 15.215 and RSS Gen
Test method:	FCC part 15 Radio part 15.215 and RSS Gen

Test description: The modulation bandwidth contains all associated side bands above a defined level.

For EUT without dedicated or integral antenna, EUT is connected to the measuring receiver via 50Ω attenuator(s). Radiated carrier limit applies to the maximum measured conducted power value adjusted by the antenna gain.

For EUT with integral or dedicated antenna, measurements are done on a normalized test site. EUT is set on an insulating support at 80cm above the ground reference plane.

Then EUT is set inside the climatic enclosure. Measurements are repeated in extreme test conditions with the carrier levels correlated with the maximum carrier level measured in normal conditions.

TEST CASE AND CONDITIONS	MODULATION BANDWIDTH	RESULT TAB.	VERDICT
OBW / Low Channel	638.756 Hz	EMI5338	**PASS**
OBW / High Channel	637.759 Hz	EMI5339	**PASS**
20dB Bandwidth / Low Channel	752.92 Hz	EMI5356	**N/A**
20dB Bandwidth / High Channel	752.56 Hz	EMI5357	**PASS**

LABORATORY PARAMETERS:	REQUIRED PRIOR TO THE TEST	DURING THE TEST
Ambient Temperature	15 to 35 °C	22.1 °C
Relative Humidity	20 to 75 %	47.3 %
Atmospheric pressure	N/A	999 hPa
Test method deviation: N/A		
Supplementary information: N/A		

TEST EQUIPMENT USED

CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
Attenuator	Radiall	R412710124	17329	22/06/2020	22/08/2023
Cable	N	3m	16421	04/05/2019	04/07/2021
Cable	Huber + Suhner	SF102K	16041	28/02/2019	28/04/2021
Climatic enclosure	CLIMATS	EXCAL 7714-HA	14261	19/09/2019	19/11/2020
Power supply	TTI	TSX-1820P	4365		
Receiver	Rohde & Schwarz	FSW43	14830	16/01/2019	16/03/2021
Thermo-Hygro-Baromètre	LUFFT	OPUS 20	14563	05/02/2020	05/04/2021
Thermohygrometer	Testo	608-H2	12268	07/05/2020	07/07/2022
Wattmeter	Rohde & Schwarz	HMC 8015	17005	05/03/2020	05/05/2021

Blank cells = Permanent validity

MODULATION BANDWIDTH - GRAPH		
OBW / LOW CHANNEL		EMI5338
EUT mode:	D-M2	
Test Date:	25/09/2020	
Test Operator:	OAT	

14:09:16 25.09.2020

EUT modification(s): N/A

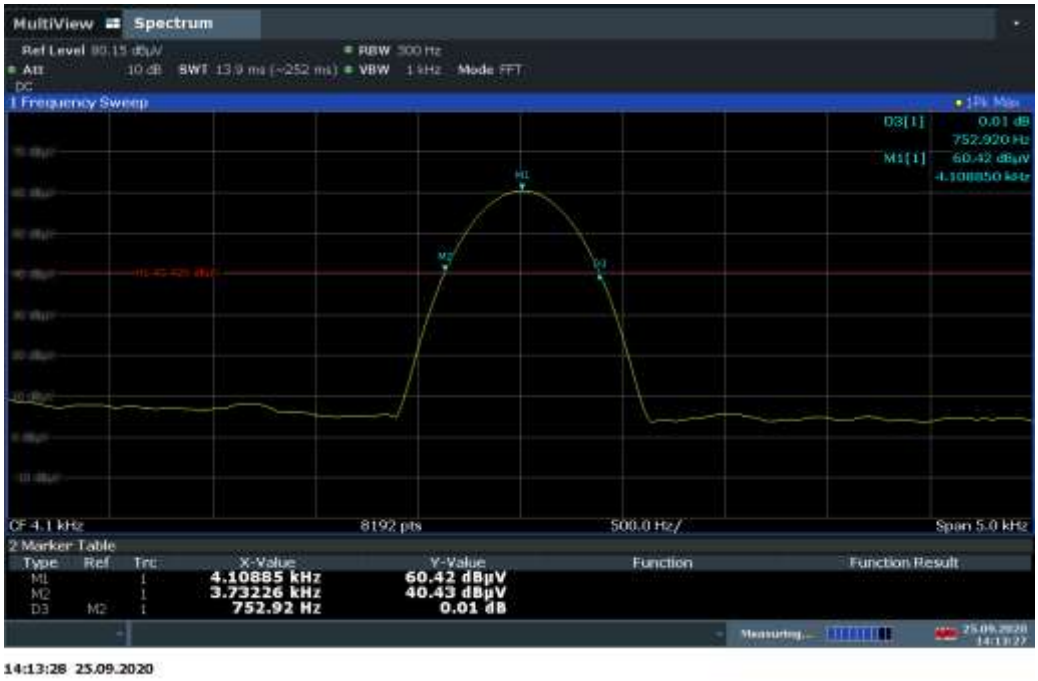
MODULATION BANDWIDTH - TABULATED RESULTS		
OBW / LOW CHANNEL		EMI5338
f_{Low}	f_{High}	OBW
3.789 kHz	4.428 kHz	638.756 Hz

MODULATION BANDWIDTH - GRAPH		
OBW / HIGH CHANNEL		EMI5339
EUT mode:	D-M2	
Test Date:	25/09/2020	
Test Operator:	OAT	

EUT modification(s): N/A

MODULATION BANDWIDTH - TABULATED RESULTS		
OBW / HIGH CHANNEL / 25°C / 3.7VDC		EMI5339
f_{Low}	f_{High}	OBW
44.878 kHz	45.516 kHz	637.759 Hz

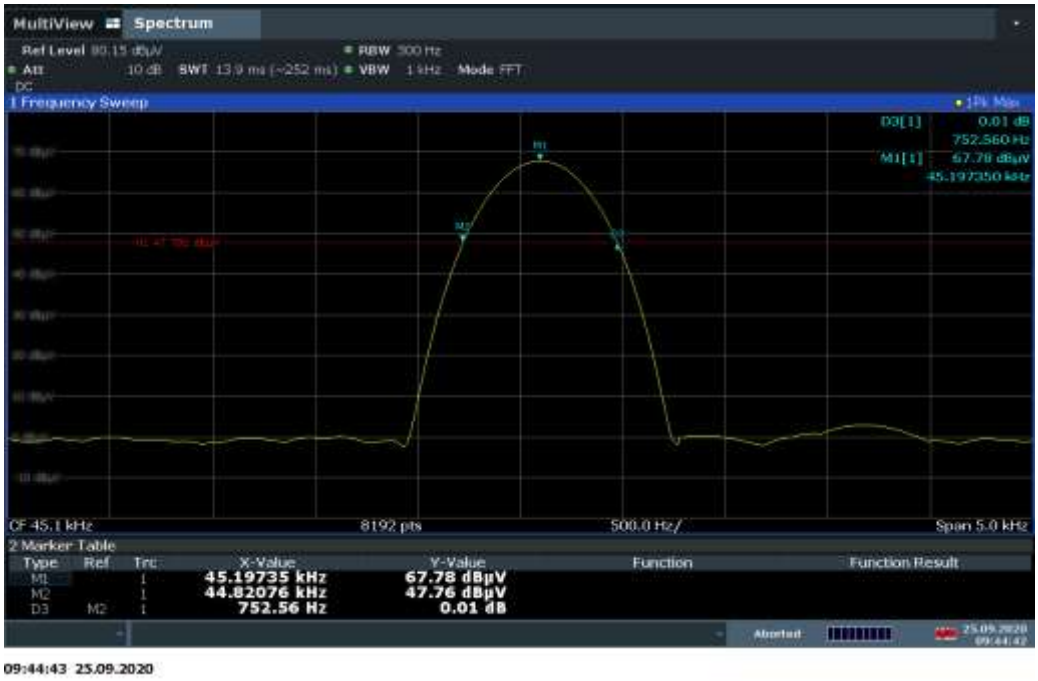
MODULATION BANDWIDTH - GRAPH		
20dB BANDWIDTH / LOW CHANNEL		**EMI5356**
EUT mode:	D-M2	
Test Date:	25/09/2020	
Test Operator:	OAT	



EUT modification(s): N/A

MODULATION BANDWIDTH - TABULATED RESULTS		
20DB BANDWIDTH / LOW CHANNEL		**EMI5356**
f_{Low}	**f_{High}**	**20dB Bandwidth**
3.732 kHz	4.485 kHz	752.92 Hz

MODULATION BANDWIDTH - GRAPH		
20DB BANDWIDTH / HIGH CHANNEL		EMI5357
EUT mode:	D-M2	
Test Date:	25/09/2020	
Test Operator:	OAT	



EUT modification(s): N/A

MODULATION BANDWIDTH - TABULATED RESULTS		
20DB BANDWIDTH / HIGH		EMI5357
f_{Low}	f_{High}	20dB Bandwidth
44.821 kHz	45.573 kHz	752.56 Hz

7.6. Frequency error

Reference standard:	FCC part 15 Radio part 15.215 and RSS Gen
Test method:	FCC part 15 Radio part 15.215 and RSS Gen
Test description: Frequency error is the difference between the measured unmodulated carrier frequency under extreme conditions and the nominal Centre Frequency as stated by the manufacturer. EUT is set inside the climatic enclosure. It is connected to the measuring receiver via 50Ω attenuator(s). RBW=100Hz	

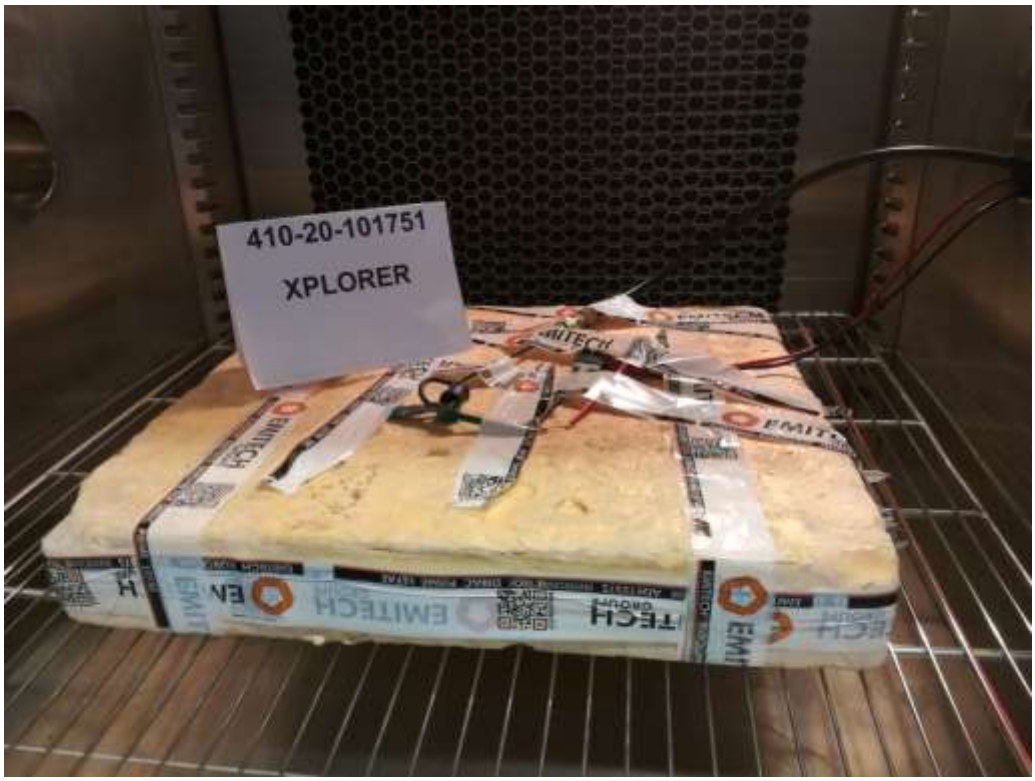
TEST CASE	EUT MODE	SEVERITY	RESULT TAB.	VERDICT
Low channel / 25°C/ 3.7Vdc	Continuous Tx	0.001 %	EMI5831	**PASS**
Low channel / 25°C/ 4.2Vdc	Continuous Tx	0.001 %	EMI5832	**PASS**
Low channel / 25°C/ 3.45Vdc	Continuous Tx	0.001 %	EMI5833	**PASS**
High channel / 25°C/ 3.7Vdc	Continuous Tx	0.001 %	EMI5834	**PASS**
High channel / 25°C/ 4.2Vdc	Continuous Tx	0.001 %	EMI5835	**PASS**
High channel / 25°C/ 3.45Vdc	Continuous Tx	0.001 %	EMI5836	**PASS**
Low channel / 40°C/ 3.7Vdc	Continuous Tx	0.001 %	EMI5837	**PASS**
Low channel / 40°C/ 4.2Vdc	Continuous Tx	0.001 %	EMI5838	**PASS**
Low channel / 40°C/ 3.45Vdc	Continuous Tx	0.001 %	EMI5839	**PASS**
High channel / 40°C/ 3.7Vdc	Continuous Tx	0.001 %	EMI5840	**PASS**
High channel / 40°C/ 4.2Vdc	Continuous Tx	0.001 %	EMI5841	**PASS**
High channel / 40°C/ 3.45Vdc	Continuous Tx	0.001 %	EMI5842	**PASS**
Low channel / -5°C/ 3.7Vdc	Continuous Tx	0.001 %	EMI5843	**PASS**
Low channel / -5°C/ 4.2Vdc	Continuous Tx	0.001 %	EMI5844	**PASS**
Low channel / -5°C/ 3.45Vdc	Continuous Tx	0.001 %	EMI5845	**PASS**
High channel / -5°C/ 3.7Vdc	Continuous Tx	0.001 %	EMI5846	**PASS**
High channel / -5°C/ 4.2Vdc	Continuous Tx	0.001 %	EMI5847	**PASS**
High channel / -5°C/ 3.45Vdc	Continuous Tx	0.001 %	EMI5848	**PASS**

LABORATORY PARAMETERS:	REQUIRED PRIOR TO THE TEST	DURING THE TEST
Ambient Temperature	15 to 35 °C	22.1 °C
Relative Humidity	20 to 75 %	47.3 %
Atmospheric pressure	N/A	999 hPa
Test method deviation: N/A		
Supplementary information: EUT power supply is replaced by a stabilized power supply.		

TEST EQUIPMENT USED					
CATEGORY	**BRAND**	**TYPE**	**IDENTIFIER**	**CAL. DATE**	**CAL. DUE**
Attenuator	Radiall	R412710124	17329	22/06/2020	22/08/2023
Cable	N	3m	16421	04/05/2019	04/07/2021
Cable	Huber + Suhner	SF102K	16041	28/02/2019	28/04/2021
Climatic enclosure	CLIMATS	EXCAL 7714-HA	14261	19/09/2019	19/11/2020
Power supply	TTI	TSX-1820P	4365		
Receiver	Rohde & Schwarz	FSW43	14830	16/01/2019	16/03/2021
Thermo-Hygro-Baromètre	LUFFT	OPUS 20	14563	05/02/2020	05/04/2021
Thermohygrometer	Testo	608-H2	12268	07/05/2020	07/07/2022
Wattmeter	Rohde & Schwarz	HMC 8015	17005	05/03/2020	05/05/2021

Blank cells = Permanent validity

TEST SETUP PHOTO(S)



TEST SETUP PHOTO(S)


FREQUENCY ERROR - TABULATED RESULTS				
TEST CASE	FREQUENCY	FREQUENCY ERROR	LIMIT	RESULT TAB.
Low channel / 25°C/ 3.7Vdc	4.10885 kHz	N/A	0.001 %	EMI5831
Low channel / 25°C/ 4.2Vdc	4.10885 kHz	0	0.001 %	EMI5832
Low channel / 25°C/ 3.45Vdc	4.10885 kHz	0	0.001 %	EMI5833
High channel / 25°C/ 3.7Vdc	45.1889 kHz	N/A	0.001 %	EMI5834
High channel / 25°C/ 4.2Vdc	45.1889 kHz	0	0.001 %	EMI5835
High channel / 25°C/ 3.45Vdc	45.1889 kHz	0	0.001 %	EMI5836
Low channel / 40°C/ 3.7Vdc	4.10885 kHz	0	0.001 %	EMI5837
Low channel / 40°C/ 4.2Vdc	4.10885 kHz	0	0.001 %	EMI5838
Low channel / 40°C/ 3.45Vdc	4.10885 kHz	0	0.001 %	EMI5839
High channel / 40°C/ 3.7Vdc	45.1889 kHz	0	0.001 %	EMI5840
High channel / 40°C/ 4.2Vdc	45.1889 kHz	0	0.001 %	EMI5841
High channel / 40°C/ 3.45Vdc	45.1889 kHz	0	0.001 %	EMI5842
Low channel / -5°C/ 3.7Vdc	4.10885 kHz	0	0.001 %	EMI5843
Low channel / -5°C/ 4.2Vdc	4.10885 kHz	0	0.001 %	EMI5844
Low channel / -5°C/ 3.45Vdc	4.10885 kHz	0	0.001 %	EMI5845
High channel / -5°C/ 3.7Vdc	45.1889 kHz	0	0.001 %	EMI5846
High channel / -5°C/ 4.2Vdc	45.1889 kHz	0	0.001 %	EMI5847
High channel / -5°C/ 3.45Vdc	45.1889 kHz	0	0.001 %	EMI5848

EUT MODIFICATIONS	OPERATOR	TEST DATE	RESULT TAB.
N/A	OAT	25/09/2020	-

End of test report