

RRA-EMIESS25C433ALT-06Av0

CERTIFICATION test report

According to the standard:
CFR 47 FCC PART 15

Equipment under test:
GATE2CARE

FCC ID: **2BUWO-00687001**

Company:
ALTANEOS

Distribution: Mr CHRISTOPHE NICLAES

(Company: ALTANEOS)

Number of pages: 19 with 5 annexes

Ed.	Date	Modified Page(s)	Technical Verification and Quality Approval	
			Name and Function	Visa
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Information in italics are declared by the manufacturer/customer and are under his responsibility

DESIGNATION OF PRODUCT: *GATE2CARE*

Serial number (S/N): *GATE2CARE_P00687_001_254800010010*

Reference / model (P/N): *GATE2CARE*

Software version: *GATE2CARE-D-v1.10.0*

MANUFACTURER: *ALTANEOS*

COMPANY SUBMITTING THE PRODUCT:

Company: *ALTANEOS*

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Responsible: *Mr CHRISTOPHE NICLAES*

DATE(S) OF TEST: *From 11-Dec-25 to 12-Dec-25*

TESTING LOCATION: *EMITECH CHASSIEU laboratory at CHASSIEU (69) FRANCE
FCC Accredited under US-EU MRA Designation Number: FR0013
Test Firm Registration Number: 807590*

TESTED BY: *T. LEDRESSEUR*

VISA:



WRITTEN BY: *T. LEDRESSEUR*

CONTENTS

TITLE	PAGE
1. INTRODUCTION	4
2. PRODUCT DESCRIPTION	4
3. NORMATIVE REFERENCE	5
4. TEST METHODOLOGY	5
5. TEST EQUIPMENT CALIBRATION DATES	6
6. TESTS RESULTS SUMMARY	7
7. MEASUREMENT UNCERTAINTY	8
8. AC CONDUCTED EMISSION	10
9. UNINTENTIONAL SPURIOUS EMISSIONS	13
APPENDIX 1: CALCULATION EXAMPLE FOR RADIATED SPURIOUS EMISSION	18
APPENDIX 2: TEST EQUIPMENT LIST	19

REVISIONS HISTORY

Revision	Date	Modified pages	Modifications
0	13-Mar-26	/	Creation

1. INTRODUCTION

This report presents the results of radio test carried out on the following radio equipment: **GATE2CARE**, in accordance with normative reference.

The equipment under test integrates:

- LTE/GNSS transceiver radio module already certified, (Module SIM7672G, FCCID: 2AJYU-8XS0001, IC : 23761-8XS0005)
- Bluetooth Low Energy / Wi-Fi 2.4 transceiver radio module already certified, (Module: ESP32-S3-WROOM-1, FCCID : 2AC7Z-ESPS3WROOM1, IC: 21098- ESPS3WROOM1)

This radio test report concerns only the followings measurements:

- Verification measurement: Subpart B (EMC), for certification of this subpart

2. PRODUCT DESCRIPTION

Class: B

Utilization: Residential

Operating frequency range: From 2402 MHz to 2480 MHz for BLE
From 2402 MHz to 2480 MHz for Wi-Fi 2.4GHz

Operating frequency range for LTE:

From 1850 MHz to 1910 MHz (LTE Band 2)
From 1710 MHz to 1755 MHz (LTE Band 4)
From 824 MHz to 849 MHz (LTE Band 5)
From 2500 MHz to 2570 MHz (LTE Band 7)
From 699 MHz to 716 MHz (LTE Band 12)
From 777 MHz to 787 MHz (LTE Band 13)
From 1850 MHz to 1915 MHz (LTE Band 25)
From 814 MHz to 849 MHz (LTE Band 26)
From 2570 MHz to 2620 MHz (LTE Band 38)
From 2496 MHz to 2690 MHz (LTE Band 41)
From 1710 MHz to 1780 MHz (LTE Band 66)
From 663 MHz to 698 MHz (LTE Band 71)

Power source: 120 Vac - 60Hz

Power level, frequency range and channels characteristics are not user adjustable.
The details pictures of the product and the circuit boards are joined with this file.

3. NORMATIVE REFERENCE

The standards and testing methods related throughout this report are those listed below. They are applied on the whole test report even though the extensions (version, date and amendment) are not repeated.

CFR 47 FCC Part 2 (2025)	Frequency Allocations and Radio treaty matters, General rules and regulations
CFR 47 FCC Part 15 (2025)	Radio Frequency Devices
ANSI C63.4	2014 Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz.
ANSI C63.10	2020 + Corrigendum (2023) + Amendment 1 (2024) Procedures for Compliance Testing of Unlicensed Wireless Devices.
996369 D04	Module Integration Guide v02 Modular Transmitter Integration Guide — Guidance for host product manufacturers.

4. TEST METHODOLOGY

Radio performance tests procedures given in CFR 47 part 15:

Subpart A –General

- Paragraph 19: labelling requirements
- Paragraph 21: information to user

Subpart B –Unintentional Radiators

- Paragraph 105: information to the user
- Paragraph 107: conducted limits
- Paragraph 109: radiated emission limits

5. TEST EQUIPMENT CALIBRATION DATES

Emitech Number	Model	Type	Last calibration	Calibration interval (years)	Next calibration due
0	BAT-EMC V3.18.0.26	Software	/	/	/
5609	EMCO 3146A	Log periodic antenna	14/12/2024	3	14/12/2027
6118	Rohde et Schwarz HK116	Biconical antenna	14/12/2024	3	14/12/2027
6217	Rohde & Schwarz ESH3-Z5	LISN	27/07/2025	1	27/07/2026
6290	HAEFELY PHF555	Power source	(1)	(1)	(1)
6970	Schwarzbeck BBHA 9120D	Antenna	16/12/2021	3	16/12/2025
7564	La Crosse Technology WS-9232	Meteo station	09/06/2024	2	09/06/2026
7651	SIDT Cage	Anechoic chamber	/	/	/
10262	Agilent Technologies 8449B	Low-noise amplifier	11/03/2025	1	11/03/2026
10952	Agilent 34401A	Multimeter	21/07/2025	2	21/07/2027
11316	Agilent N9010A	Receiver	05/09/2025	1	05/09/2026
11855	EMITECH	Outside room	/	/	/
14037	Microtronics HPM15162	High-pass filter	20/10/2024	3	20/10/2027
14522	Huber + Suhner k-1m	Cable	29/01/2024	2	29/01/2026
14690	ETS lindgren 3160-09	Antenna	07/01/2025	3	07/01/2028
14851	Wright Technologie ASL40-B3015	Low-noise amplifier	29/01/2024	2	29/01/2026
14887	JYE BAO k-15cm	Cable	29/01/2024	2	29/01/2026
15775	RFPA INT-BA011000-25	Low-noise amplifier	07/03/2025	1	07/03/2026
15776	Rohde & Schwarz FSV40	Spectrum Analyzer	22/02/2025	1	22/02/2026
15790	Testo 608-H1	Meteo station	20/11/2025	1	20/11/2026
15892	HUBER et SUHNER N 18GHz 3m	Cable	31/05/2025	2	31/05/2027
15893	HUBER et SUHNER SMA 18GHz 3m	Cable	31/05/2025	2	31/05/2027
15916	HUBER et SUHNER SMA 18GHz 3.5m	Cable	31/05/2025	2	31/05/2027
15933	HUBER et SUHNER SMA 18GHz 5m	Cable	31/05/2025	2	31/05/2027
17207	COM-POWER LIT-930A	Transient limiter	02/09/2025	3	02/09/2027
17829	Emitech	Absorber sheath current	01/06/2025	2	01/06/2027
19114	Fluke 177	Multimeter	31/05/2025	2	31/05/2027

(1) The equipment is not verified; instead, the output voltage is checked before each measurement with the calibrated multimeter.

6. TESTS RESULTS SUMMARY

6.1 CFR 47 part 15 requirements (subpart A)

Test procedure	Description of test	Respected criteria?				Comment
		Yes	No	NAp	NAs	
FCC Part 15.19	LABELLING REQUIREMENTS	X				See certification documents
FCC Part 15.21	INFORMATION TO USER	X				See certification documents

NAp: Not Applicable

NAs: Not Asked

6.2 CFR 47 part 15 requirements (subpart B)

Test procedure	Description of test	Respected criteria?				Comment
		Yes	No	NAp	NAs	
FCC Part 15.105	INFORMATION TO THE USER	X				See certification documents
FCC Part 15.107	CONDUCTED LIMITS	X				Class B
FCC Part 15.109	RADIATED EMISSION LIMITS	X				Class B

NAp: Not Applicable

NAs: Not Asked

7. MEASUREMENT UNCERTAINTY

To declare, or not, the compliance with the specifications, it was not explicitly taken into account of uncertainty associated with the result(s)

The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k=2$, which for normal distribution corresponds to a coverage probability of approximately 95%.

PARAMETER	MAXIMAL EMITECH UNCERTAINTY	MINIMAL STANDARD UNCERTAINTY
Radio frequency	$\pm 1 \times 10^{-7}$	$\pm 1 \times 10^{-7}$
RF power, conducted		
RF power	$\pm 0.8\text{dB}$	$\pm 1\text{ dB}$
RF power (EN 300328 / EN 301893)	$\pm 1.2\text{dB}$	$\pm 1.5\text{ dB}$
Power spectral density	$\pm 2.7\text{dB}$	$\pm 3\text{ dB}$
Occupied bandwidth		
RF power	$\pm 3.8\%$	$\pm 5\%$
RF power (EN 300328 / EN 301893)	$\pm 3.8\%$	$\pm 5\%$
Maximum frequency deviation		
300 Hz < audio frequency < 6 kHz	$\pm 1.2\%$	$\pm 5\%$
6 kHz < audio frequency < 25 kHz	$\pm 1.2\%$	$\pm 3\text{ dB}$
Adjacent channel power	$\pm 1.6\text{ dB}$	$\pm 3\text{ dB}$
Sensitivity of receiver (conducted)	$\pm 1.9\text{ dB}$	$\pm 3\text{ dB}$
Blocking	$\pm 3.9\text{ dB}$	$\pm 4\text{ dB}$
Transient		
Amplitude	$\pm 8.5\%$	$\pm 20\%$
At the frequency	$\pm 166\text{ Hz}$	$\pm 250\text{ Hz}$
Conducted emission (spurious)		
$f \leq 1\text{ GHz}$	$\pm 0.8\text{ dB}$	$\pm 3\text{ dB}$
1 GHz - 12.75 GHz	$\pm 1.6\text{ dB}$	
Radiated power (ERP / EIRP / spurious)		
$f \leq 62.5\text{ MHz}$	$\pm 5.2\text{ dB}$	$\pm 6\text{ dB}$
62.5 MHz - 1 GHz	$\pm 5.4\text{ dB}$	$\pm 6\text{ dB}$
1 GHz - 18 GHz (~)	$\pm 5.2\text{ dB}$	$\pm 6\text{ dB}$
18 GHz – 40 GHz	$\pm 5.9\text{ dB}$	$\pm 6\text{ dB}$
40 GHz – 110 GHz	$\pm 5.9\text{ dB}$	Between ± 6 to 10 dB
180-1000 MHz / 1 – 12.75 GHz (EN 301908-1)	$\pm 2.8 / 2.7\text{ dB}$	$\pm 3\text{ dB}$
RF power (EN 300328 / EN 301893)	$\pm 5.3\text{ dB}$	$\pm 6\text{ dB}$
EIRP and power spectral density with diode	$\pm 5.4\text{ dB}$	$\pm 6\text{ dB}$
Radiated emission (magnetic field)		
9kHz – 30MHz	$\pm 4.3\text{ dB}$	$\pm 6\text{ dB}$
RF level for a given BER	$\pm 0.8\text{ dB}$	$\pm 1.5\text{ dB}$
Supply voltages	$\pm 2.9\%$	$\pm 3\%$
Temperature	$\pm 0.95\text{ }^{\circ}\text{C}$	$\pm 1\text{ }^{\circ}\text{C}$
Humidity	$\pm 4.6\%$	$\pm 5\%$
Time / Duty cycle (power probe)	$\pm 4.4\%$	$\pm 5\%$
Time (spectrum analyzer)	$\pm 0.3\%$	/
Adaptivity	$\pm 4.2\text{ dB}$	/

PARAMETER	MAXIMAL EMITECH UNCERTAINTY	MINIMAL STANDARD UNCERTAINTY
Conducted emission (FCC) (Artificial Mains Network) 150kHz – 30MHz	± 3.7 dB	/
Radiated emission (electric field for FCC standard) 9kHz – 30MHz	± 4.3 dB	/
30MHz – 1GHz	± 5.9 dB	/
1GHz – 18GHz	$\pm 4,8$ dB	/
18GHz – 40GHz	$\pm 5,9$ dB	/
40GHz – 140GHz	± 5.7 dB	/
Radiated power (EIRP / spurious) vehicle chamber n°19046		
1 GHz - 6 GHz	± 9.9 dB	± 6 dB
6 GHz - 18 GHz	± 5.9 dB	± 6 dB

8. AC CONDUCTED EMISSION**Temperature (°C) :** 18 to 20**Humidity (%HR):** 38 to 43**Date :** December 11, 2025 and
December 12, 2025**Technician :** T. LEDRESSEUR**Standard:** FCC Part 15
RSS-Gen**Test procedure:**

For FCC Part 15: Paragraph 15.107

Method of paragraph 7 of ANSI C63.4

Limits: Class B**Software used:** BAT-EMC V3.18.0.26**Test set up:**

The EUT is isolated and placed on a wooden table, 0.8 m over an horizontal reference plane and 0.4 m from a vertical reference plane. It is powered by an artificial main network placed on the ground reference plane. The equipment is powered with the AC power operating voltage of 120 V / 60 Hz.

See photos in appendix 3

Frequency range: 150 kHz - 30 MHz**Detection mode:** Peak / Quasi-peak / Average**Bandwidth:** 10 kHz / 9 kHz**Equipment under test operating condition:**

First an exploratory ac power line conducted emission measurement was performed with peak detector.

The device's radio modules are blocked in standby mode.

The device's radio modules are next blocked in continuous modulated transmission mode, at the highest output power level at which the transmitter is intended to operate.

Only the most critical mode of operation is selected for the final measurement.

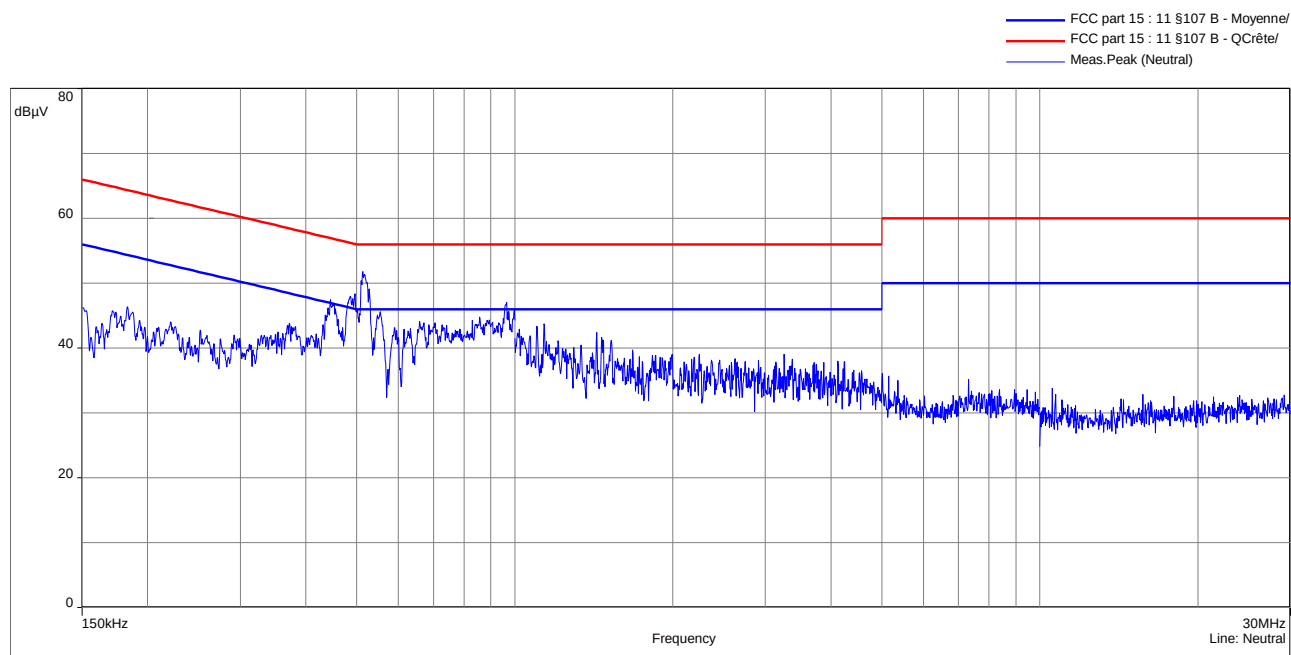
Results:

Sample N° 1

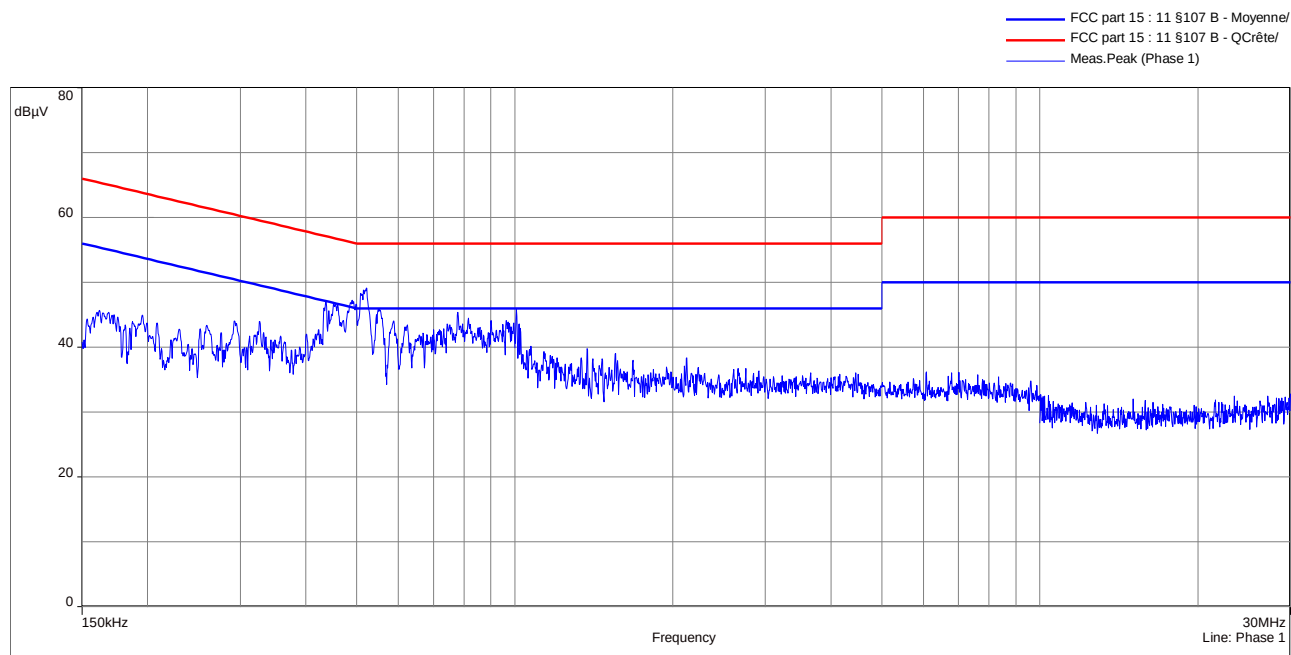
Measurement on the mains power supply:

The measurement is first realized with Peak detector.

Curve N° 1: measurement on the Neutral with peak detector



Curve N° 2: measurement on the Line with peak detector



The highest frequencies are then analyzed with Quasi-peak detector and Average detector

Table N° 1: measurement on the Neutral, for the frequency range:

Frequency	Quasi-peak	QP Limit	QP margin	Frequency	Average	Average Limit	Average margin
(MHz)	(dBμV)	(dBμV)	(dB)	(MHz)	(dBμV)	(dBμV)	(dB)
0.221	30.14	62.8	32.63	0.221	17.65	52.8	35.12
0.372	33.94	58.5	24.51	0.372	21.17	48.5	27.28
0.446	39.84	57.0	17.12	0.446	30.95	47.0	16.01
0.453	40.19	56.8	16.63	0.453	32.87	46.8	13.95
0.486	33.01	56.2	23.23	0.486	23.74	46.2	22.50
0.496	40.77	56.1	15.29	0.496	35.29	46.1	10.77
0.514	43.08	56.0	12.92	0.514	33.96	46.0	12.04
0.524	43.2	56.0	12.80	0.524	37.52	46.0	8.48
0.554	25.54	56.000	30.460	0.554	14.43	46.000	31.570
0.558	22.93	56.000	33.070	0.558	12.23	46.000	33.770
0.659	34.34	56.000	21.660	0.659	18.39	46.000	27.610
0.964	36.51	56.000	19.490	0.964	22.38	46.000	23.620

Table N° 2: measurement on the Line, for the frequency range:

Frequency	Quasi-peak	QP Limit	QP margin	Frequency	Average	Average Limit	Average margin
(MHz)	(dBμV)	(dBμV)	(dB)	(MHz)	(dBμV)	(dBμV)	(dB)
0.327	31.16	59.5	28.37	0.327	16.13	49.5	33.40
0.437	38.64	57.1	18.48	0.437	33.59	47.1	13.53
0.452	38.56	56.8	18.27	0.452	29.28	46.8	17.55
0.490	39.47	56.2	16.69	0.490	36.44	46.2	9.72
0.509	41.06	56.0	14.94	0.509	30.57	46.0	15.43
0.515	46.1	56.0	9.90	0.515	42.74	46.0	3.26
0.522	44.49	56.000	11.510	0.522	41.68	46.000	4.320
0.553	34.59	56.000	21.410	0.553	26.48	46.000	19.520
0.588	28.69	56.000	27.310	0.588	18.72	46.000	27.280
0.779	40.66	56.000	15.340	0.779	32.39	46.000	13.610
1.007	30.18	56.000	25.820	1.007	22.33	46.000	23.670

Test conclusion:

RESPECTED STANDARD

9. UNINTENTIONAL SPURIOUS EMISSIONS**Temperature (°C) :** 18 to 20**Humidity (%HR):** 38 to 43**Date :** December 11, 2025 and
December 12, 2025**Technician :** T. LEDRESSEUR**Standard:** FCC Part 15**Test procedure:**

For FCC Part 15: § 15.109

Method of paragraph 8 of ANSI C63.4

Limit class: Class B**Test set up:**

First an exploratory radiated measurement was performed. During this phase the product is oriented in these two normal positions

Then the final measurement is realized with the product on the most critical orientation.

When the system is tested in semi anechoic room , the EUT is placed on a rotating table, 0.8m from a ground plane.

Zero degree azimuths correspond to the front of the device under test.

See photos in appendix 3.

Frequency range: From 30 MHz to 5th harmonic of the highest frequency used (13 GHz)**Detection mode:** Quasi-peak (F < 1 GHz)

Peak / Average (F > 1 GHz)

Bandwidth: 120 kHz (F < 1 GHz)

1 MHz (F > 1 GHz)

Distance of antenna: 3 meters**Antenna height:** 1 to 4 meters**Antenna polarization:** vertical and horizontal (only the highest level is recorded)**Equipment under test operating condition:**

First an exploratory radiated emission measurement was performed with peak detector.

The device's radio modules are blocked in standby mode.

The device's radio modules are next blocked in continuous modulated transmission mode, at the highest output power level at which the transmitter is intended to operate.

Only the most critical mode of operation is selected for the final measurement.

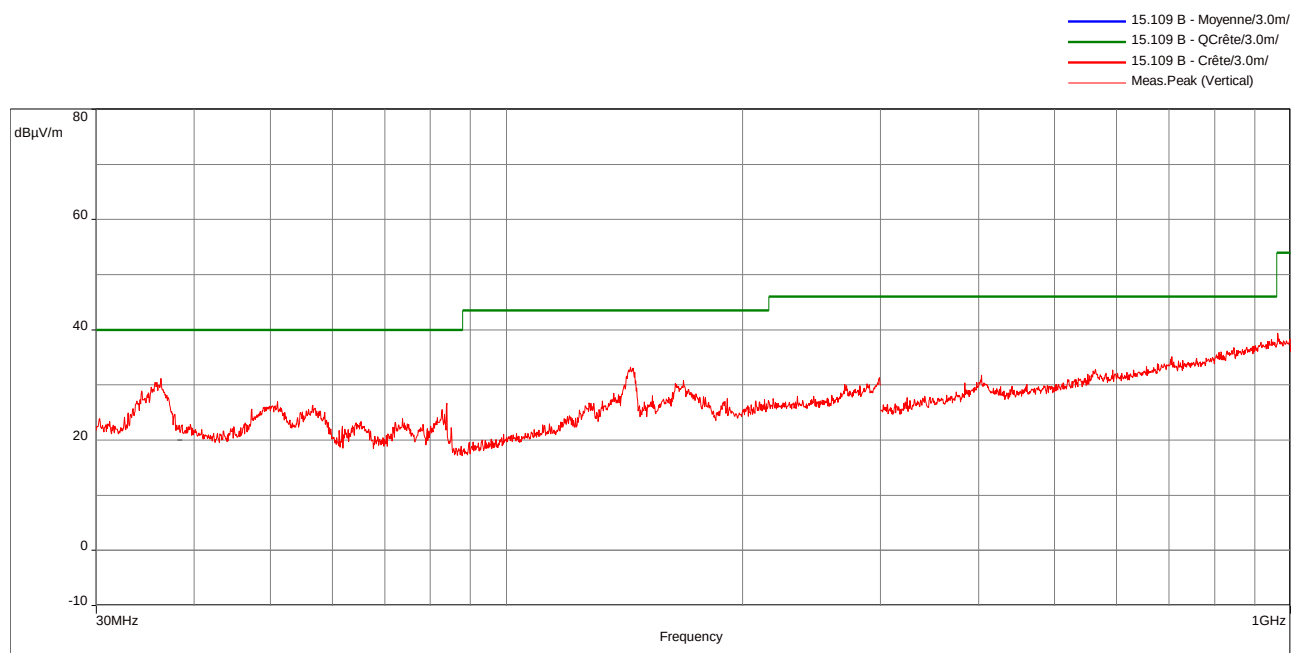
Power source: 120 Vac by an external power supply**Percentage of voltage variation during the test (%):** ± 1

Results:

Sample N° 1

Below 1 GHz

Position 1 - Vertical polarisation

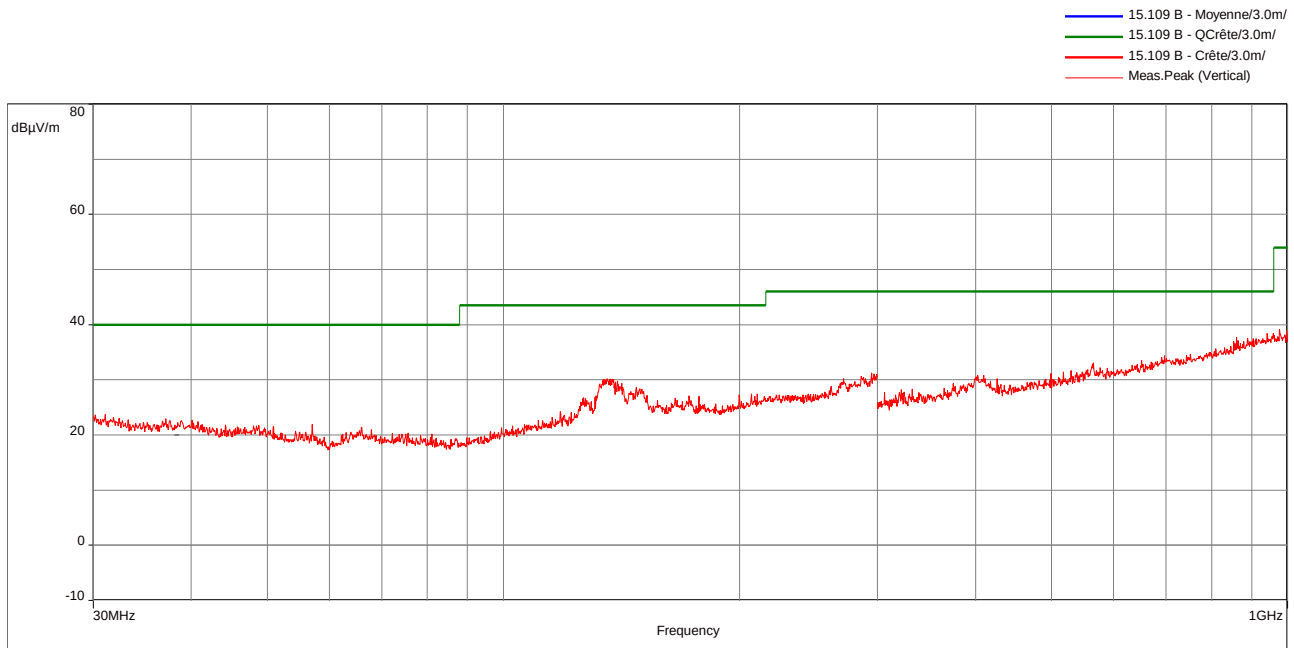


The most critical spurious identified are listed below :

Frequencies (MHz)	Detector P QP Av	Antenna height (cm)	Azimuth (degree)	RBW (kHz)	Field strength Measured at 3 m (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Correction factor (dB)
36.264	P	120	0	120	31.19	40	8.81	-10.69
51.06	P	125	0	120	27.01	40	12.99	-12.53
83.919	P	123	12	120	26.66	40	13.34	-14.49
143.967	P	126	35	120	33.27	43.5	10.23	-9.41
168.213	P	130	35	120	30.77	43.5	12.73	-8.43
299.028	P	132	45	120	31.37	46	14.63	-1.84
963.6	P	140	65	120	39.4	54	14.6	5.14

P= Peak, QP=Quasi-peak, Av=Average

Position 1 - Horizontal polarisation

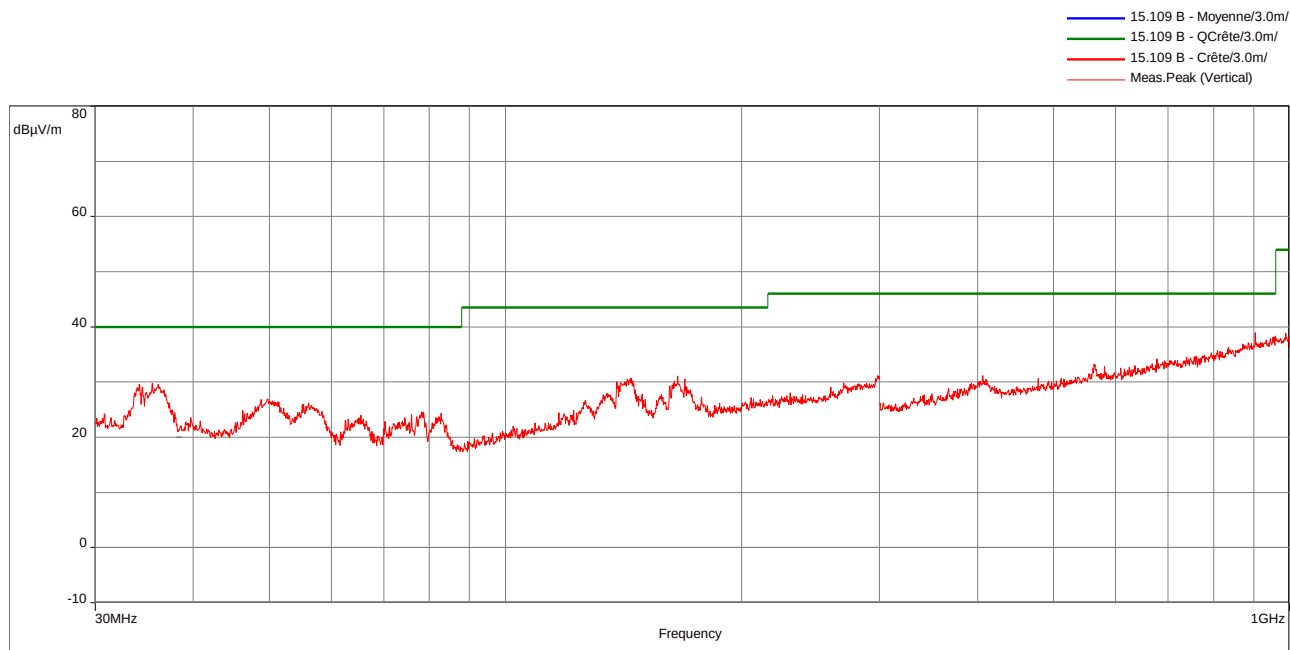


The most critical spurious identified are listed below :

Frequencies (MHz)	Detector P QP Av	Antenna height (cm)	Azimuth (degree)	RBW (kHz)	Field strength Measured at 3 m (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Correction factor (dB)
31.08	P	220	75	120	23.74	40	16.26	-10.28
135.651	P	230	56	120	30.19	43.5	13.31	-9.53
147.774	P	312	41	120	28.64	43.5	14.86	-8.91
295.086	P	315	315	120	31.22	46	14.78	-2.97
409.9	P	126	320	120	30.85	46	15.15	-2.49
977.04	P	300	312	120	39.15	54	14.85	5.32

P= Peak, QP=Quasi-peak, Av=Average

Position 2 - Vertical polarisation

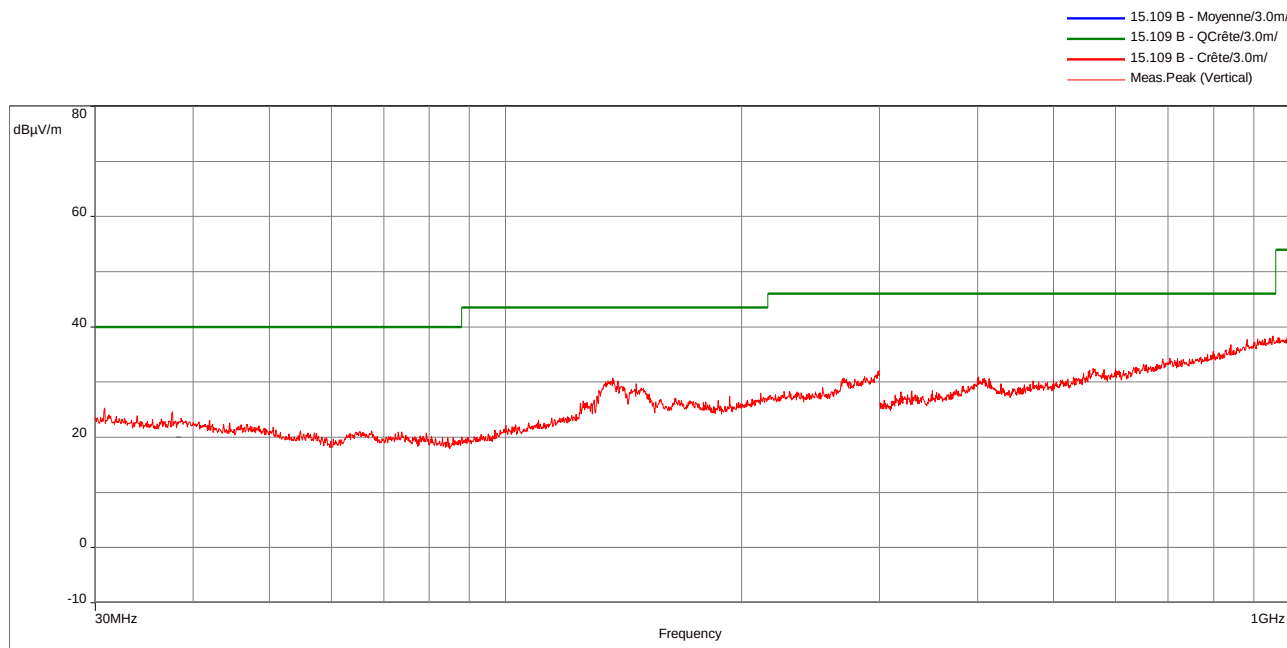


The most critical spurious identified are listed below :

Frequencies (MHz)	Detector P QP Av	Antenna height (cm)	Azimuth (degree)	RBW (kHz)	Field strength Measured at 3 m (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Correction factor (dB)
35.481	P	115	75	120	29.81	40	10.19	-10.61
49.764	P	116	86	120	26.94	40	13.06	-12.29
78.6	P	111	45	120	24.62	40	15.38	-14.09
144.723	P	108	44	120	30.75	43.5	12.75	-9.39
165.945	P	190	12	120	31.08	43.5	12.42	-8.53
298.353	P	186	35	120	31.17	46	14.83	-2.02
903.96	P	175	83	120	38.98	46	7.02	4.3

P= Peak, QP=Quasi-peak, Av=Average

Position 2 - Horizontal polarisation



The most critical spurious identified are listed below :

Frequencies (MHz)	Detector P QP Av	Antenna height (cm)	Azimuth (degree)	RBW (kHz)	Field strength Measured at 3 m (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Correction factor (dB)
30.81	P	223	321	120	25.3	40	14.7	-10.26
137.028	P	225	12	120	30.71	43.5	12.79	-9.53
146.883	P	221	15	120	29.71	43.5	13.79	-9.06
269.76	P	157	16	120	30.77	46	15.23	-3.28
299.757	P	169	354	120	32.18	46	13.82	-1.64
401.5	P	314	350	120	30.9	46	15.1	-2.39
952.33	P	320	68	120	38.3	46	7.7	5.03

P= Peak, QP=Quasi-peak, Av=Average

Above 1 GHz

Not any unintentional spurious has been observed

Applicable limits: for 30 MHz ≤ F ≤ 88 MHz: 40 dBμV/m at 3 meters
for 88 MHz < F ≤ 216 MHz: 43.5 dBμV/m at 3 meters
for 216 MHz < F ≤ 960 MHz: 46 dBμV/m at 3 meters
(Except for ICES-003 above 230 to 960 MHz): 47 dBμV/m at 3 meters
Above 960 MHz: 54 dBμV/m at 3 meters

Test conclusion:

RESPECTED STANDARD

□□□ End of report, (2) appendixes to be forwarded □□□

APPENDIX 1: Calculation example for radiated spurious emission

Frequencies (MHz)	Level (dBμV/m) (1)	Margin (dB) (2)	Limit (dBμV/m)	Read level (dBμV)	Antenna Factor (dBm)	Cable Loss (dB)	Preamp Factor (dB)
2390 (Peak)	57.63	16.37	74	64.3	32.7	3.27	42.64
2390 (Av)	46.43	7.57	54	53.1	32.7	3.27	42.64

(1) Level (dBμV/m) = Antenna Factor (dBm) + Cable loss (dB) + Read level (dBμV) – Preamp Factor (dB)

(2) Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)

For Peak Limit @ 2390MHz:

(1) Level (dBμV/m)

= Antenna Factor (dBm) + Cable loss (dB) + Read level (dBμV) – Preamp Factor (dB)

= 32.7 (dBm) + 3.27 (dB) + 64.3 (dBμV) - 42.64 (dB)

= 57.63 (dBμV/m)

(2) Margin (dB)

= Limit (dBμV/m) - Level (dBμV/m)

= 74 (dBμV/m) - 57.63 (dBμV/m)

= 16.37 (dB)

For Average Limit @ 2390MHz:

(1) Level (dBμV/m)

= Antenna Factor (dBm) + Cable loss (dB) + Read level (dBμV) – Preamp Factor (dB)

= 32.7 (dBm) + 3.27 (dB) + 53.1 (dBμV) - 42.64 (dB)

= 46.43 (dBμV/m)

(2) Margin (dB)

= Limit (dBμV/m) - Level (dBμV/m)

= 54 (dBμV/m) – 46.43 (dBμV/m)

= 7.57 (dB)

APPENDIX 2: Test equipment list

AC conducted emissions

TYPE	MANUFACTURER	EMITECH NUMBER
Outside room	Emitech	11855
Test receiver N9010A	Agilent	11316
Transient limiter LIT-930A	COM-POWER	17207
LISN ESH3-Z5	Rohde & Schwarz	6217
Absorber sheath current	Emitech	17829
Cable SMA-4m	Huber + Suhner	15933
Power source PHF555	HAEFELY	6290
Multimeter 34401A	Agilent	10952
Meteo station 608-H1	Testo	15790
Software	BAT-EMC V3.18.0.26	0000

Unintentional spurious emission

TYPE	MANUFACTURER	EMITECH NUMBER
Spectrum Analyzer FSV40	Rohde & Schwarz	15776
Anechoic Chamber	EMITECH	7651
Biconical antenna HK116	Rohde & Schwarz	6118
Log periodic antenna 3146A	EMCO	5609
Low-noise amplifier INT-BA011000-25	RFPA	15775
Antenna BBHA 9120B	Schwarzbeck	6970
Low-noise amplifier 8449B	Agilent Technologies	10262
Cable k 1m	Huber + Suhner	14522
Antenna 3160-09	ETS lindgren	14690
Low-noise amplifier	Low-noise amplifier	14851
Cable K-15cm	JYE BAO	14887
Cable N-3m	Huber + Suhner	15892
Cable SMA-3m	Huber + Suhner	15893
Cable SMA-3m	Huber + Suhner	15916
Cable SMA-4m	Huber + Suhner	15933
High pass filter HPM15162	Microtronics	14037
Multimeter 177	Fluke	19114
Meteo station WS-9232	La Crosse Technology	7564
Software	BAT-EMC V3.18.0.26	0000