



Test report issued under the responsibility of:
 EMITECH MONTPELLIER laboratory
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RADIO TEST REPORT

KDB 996369 D04 v01
FCC part 15.247
FCC part 15.407
RSS-247
(Partial tests)

Company: VOGO
 Address.....: 101 place Pierre Duhem
 Immeuble Les Centuries II
 34000 MONTPELLIER
 FRANCE

Test item description.: **Radio communication gateway**
 Trade Mark.....: VOKKERO
 Manufacturer.....: VOGO
 Model/Type reference.....: ELITE SMART GATEWAY / VO8346B
 Ratings.....: 100-240Vac/50-60Hz

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

Report Reference No.: **RR-EVE-21C646-5A**
 Test procedure.: FCC IC Certification
 Diffusion.....: Mr SAGUIN
 Applicant's name.: VOGO
 Date of issue.....: February 4, 2022
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 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.

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REVISION HISTORY:

| Revision | Date | Modified pages | Modifications |
|----------|------------------|----------------|---------------|
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1. GENERAL INFORMATIONS

This document submits the results of Radio tests performed on the equipment **Radio communication gateway ELITE SMART GATEWAY / VO8346B** (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 August the 30th to September the 10th of 2021 | | | | |
| APPLICANT'S GENERAL INFORMATIONS: | | | | | |
| Company name | VOGO | | | | |
| Company address. | 101 place Pierre Duhem Immeuble Les Centuries II 34000 MONTPELLIER FRANCE | | | | |
| Person(s) present during the tests. | Mr DE BARROS | | | | |
| Responsible..... | Mr SAGUIN | | | | |
| GENERAL REMARKS: | | | | | |
| <p>The information in italics is declared by the manufacturer and is under his responsibility</p> <p>The test results presented in this report relate only to the object tested.</p> <p>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.</p> | | | | | |
| <p>"(see Enclosure #)" refers to additional information appended to the report.</p> <p>"(see appended table)" refers to a table appended to the report.</p> <p>Throughout this report the decimal separator is point.</p> | | | | | |
| 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. | Equipment 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.

KDB 996369 D04 v01: February 2019

Modular transmitter integration guide — Guidance for host product manufacturers

FCC 47 CFR PART 15: September 2021

Code of federal regulations. Title 47- Telecommunication Chapter 1- Federal Communication Commission. Part 15- Radio frequency devices Subpart B- Unintentional Radiators. Limits and methods of measurement of radio disturbance. Characteristic of information technology equipment

FCC part 15.247

Operation within the bands 902–928 MHz, 2400–2483.5 MHz, and 5725–5850MHz. (frequency hopping and digitally modulated)

FCC part 15.407

General technical requirements.

RSS-247_Issue 2, February 2017

Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence Exempt Local Area Network (LE-LAN) Devices

RSS/CNR-Gen,_Issue 5, March 2019

Exigences générales et information relatives à la certification du matériel de radiocommunication

ANSI C 63.10:2013

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 Emissions 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.....: Radio communication gateway
Model/Type reference.....: ELITE SMART GATEWAY / VO8346B
Trade Mark.....: VOKKERO
Serial number (S/N).....: 00000564
Part number (P/N).....: Batch000001
Software version.....: 3.01
Firmware version.....: 3.01
Type of sample.....: Pre-serial
Function(s).....: Digital Analogic Audio Gateway
Manufacturer name.....: VOGO
Address.....: 101 place Pierre Duhem
Immeuble Les Centuries II
34000 MONTPELLIER
FRANCE

General product information:

N/A

3.2. EUT Marking plate



3.3. EUT General view



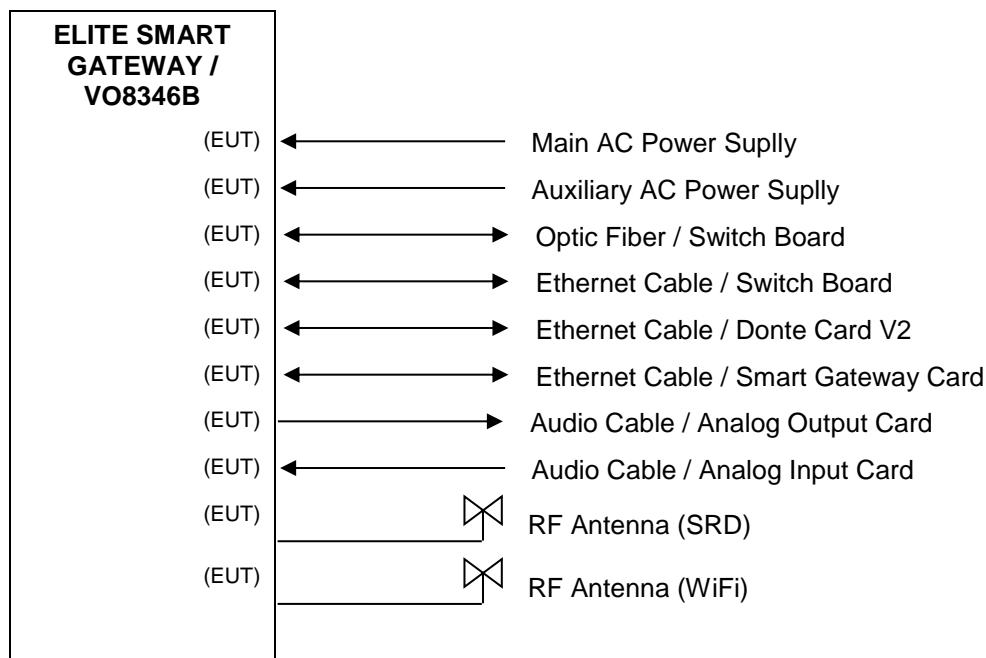
3.4. EUT Mechanical and Electrical Design

| | |
|---------------------------------|----------------------------------|
| Power supply..... | : 120Vac/60Hz |
| Power supply range..... | : 100-240Vac/50-60Hz |
| Power type..... | : <i>Single phase with earth</i> |
| Power (W)..... | : 90 |
| Nominal current (A)..... | : 2.5 |
| Dimensions (L x W x H) (m)..... | : 0.483 x 0.253 x 0.088 |
| Weight (kg)..... | : 5 |
| Temperature range (°C)..... | : 0°C to 40°C |
| Ground bounding strap..... | : No |

Comments:

N/A

3.5. EUT Input/Output ports



| PORT | NAME | TYPE | LENGTH | CABLE TYPE | COMMENTS |
|------|-------------------------------------|------|--------|--------------|---------------------------------|
| 0 | Main frame | N/E | N/A | Metallic | N/A |
| 1 | Main AC Power Supply | AC | >3m | 2P+T | 120Vac/60Hz |
| 2 | Auxiliary AC Power Supply | AC | >3m | 2P+T | 120Vac/60Hz |
| 3 | Optic Fiber / Switch Board | N/E | >3m | Not shielded | N/A |
| 4 | Ethernet Cable / Switch Board | I/O | >3m | Shielded | N/A |
| 5 | Ethernet Cable / Donte Card V2 | I/O | >3m | Shielded | N/A |
| 6 | Ethernet Cable / Smart Gateway Card | I/O | >3m | Shielded | N/A |
| 7 | Audio Cable / Analog Output Card | I/O | >3m | Shielded | N/A |
| 8 | Audio Cable / Analog Input Card | I/O | >3m | Shielded | N/A |
| 9 | RF Antenna (SRD) | RF | N/A | N/A | used for SRD (902-928MHz) |
| 10 | RF Antenna (WiFi) | RF | N/A | N/A | used for WiFi (2.4GHz and 5GHz) |

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 |
|--------------------------------|--------------|---------------|---|
| HF communication interface | GLENSOUND | GS-FW023 | Used to check the analog audio output and input |
| Laptop | DELL | Latitude 5510 | Used to check Ethernet fiber and wifi connectection |
| Wireless communication Headset | VOKKERO | V08364AA | Used to transmited by RF audio signal (1kHz) |

HF COMMUNICATION INTERFACE (AE)



LAPTOP (AE)



WIRELESS COMMUNICATION HEADSET (AE)



3.7. EUT Radio Specifications

a) GENERAL INFORMATIONS

According to manufacturer's declarations :

EUT type..... : *Transceiver*
 Technology : *WiFi + SRD*
 Environmental profile..... : *Data transmissions*
 Temperature range..... : *0°C to +40°C*
 Antenna type : *External*
 Antenna Gain..... : *Not communicated*

Comments:

*EUT includes RF devices already certified, see appropriate tests report for full testing results:
 The VO8364AA for SRD part and The Sterling-LWB5 for WiFi part.*

b) TRANSMITTER PARAMETERS (Tx)

Frequency bands..... : *SRD: 902MHz to 928MHz
 WiFi: 2400MHz to 2483.5MHz
 5150 MHz to 5850 MHz*
 RF Power..... : *SRD: 24dBm
 WiFi: Not communicated*
 Number of channels / Separation : *SRD: DTS mode 915.4 MHz to 927.4 MHz (15 channels)
 FHSS mode 915.42 MHz to 927.42 MHz (26 channels)
 WiFi: Not communicated*
 Modulation type : *GFSK*
 Tested frequency..... : *SRD: 915.42MHz (Low Channel)
 921.42MHz (Mid Channel)
 927.42MHz (High Channel)*
*For SRD part, the EUT was tested with the FHSS setup mode
 in order to reach the maximum output power which is the
 worst case for spurious emissions.*
*WiFi: 2412 MHz
 5180MHz*

c) RECEIVER PARAMETERS (Rx)

Frequency bands..... : *SRD: 902MHz to 928MHz
 WiFi: 2400MHz to 2483.5MHz
 5150 MHz to 5850 MHz*
 Bandwidth..... : *Not communicated*

4. EUT REQUIREMENTS FOR FCC RULES

4.1. Subpart A - General

This part sets out the regulations under which an intentional, unintentional, or incidental radiator may be operated without an individual license. It also contains the technical specifications, administrative requirements and other conditions relating to the marketing of part 15 devices.

The user notice **Not communicated**, shall include the following informations:

a) LABELING REQUIREMENTS (§15.19):

Equipment authorization: Supplier's Declaration of Conformity (SDoC) or Certification

List of different **type of devices** and associated "statement on product":

§15.19(a)(1) - Receivers associated with the operation of a licensed radio service:

"This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference."

§15.19(a)(2) - A stand-alone cable input selector switch:

"This device complies with part 15 of the FCC Rules for use with cable television service."

§15.19(a)(3) - All other devices:

"This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) *This device may not cause harmful interference, and*
- (2) *this device must accept any interference received, including interference that may cause undesired operation.*

§15.19(a)(4) - Where a device is constructed in two or more sections connected by wires and marketed together:

The statement specified only to the main control unit:

"This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference."

§15.19(a)(5) - When the device is so small:

The statement of §15.19(a) shall be placed in the user manual and must also either be placed on the device packaging or on a removable label attached to the device.

Compliance information (§2.1077):

The identification, by name, address and telephone number or internet contact information, of the responsible party, as defined in § 2.909 of the standard. The responsible party for Supplier's Declaration of Conformity must be located within the United States.

Identification (§2.1074):

(a) Devices subject only to Supplier's Declaration of Conformity shall be uniquely identified by the party responsible for marketing or importing the equipment within the United States.

(b) Devices subject to authorization under Supplier's Declaration of Conformity may be labeled with the following logo on a voluntary basis as a visual indication that the product complies with the applicable FCC requirements.



(image size: 6.7 x 2.8" ;3.5 x 1.4" ;1.6 x .7")

The label shall be located in a conspicuous location on the device.

The label shall not be a stick-on, paper label. The label on these products shall be permanently affixed to the product and shall be readily visible (font of at least 4-point or larger) to the purchaser at the time of purchase.



b) DEVICES INCLUDING MODULAR TRANSMITTER(S) (§15.212):

If the FCC identification number is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following:

"Contains Transmitter Module FCC ID: XYZMODEL1" or "Contains FCC ID: XYZMODEL1."

Device under test includes single modular transmitter(s):

FCC ID:

- for SRD: 2AU6N-VO8364AA
- for WIFI: TFB-1004

IC:

- for SRD: 25704-VO8364AA
- for WIFI: 5969A-1004

c) INFORMATION TO USER (§15.21):

The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that:

"The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment"

4.2. Subpart B - Unintentional Radiators

In addition to Subpart A, the user notice Not communicated, shall include the following informations:

| a) INFORMATION TO USER (§15.105): |
|---|
| Equipment authorization: Supplier's Declaration of Conformity (SDoC) or Certification |
| §15.105(a) - For a Class A digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual: |
| " <i>NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.</i> " |
| §15.105(b) - For a Class B digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual: |
| " <i>NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:</i> |
| <ul style="list-style-type: none"> —Reorient or relocate the receiving antenna. —Increase the separation between the equipment and receiver. —Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. —Consult the dealer or an experienced radio/TV technician for help." |

5. OPINION(S) AND INTERPRETATION(S)

| TEST(S) PERFORMED | DEVIATION(S) TO TEST METHOD(S) |
|--------------------|--------------------------------|
| ANSI C63.4: 2014 | N/A |
| ANSI C63.10 : 2013 | N/A |

Comments: N/A

6. RESULT SUMMARY

| TEST DESIGNATION | SEVERITY | VERDICT | BASIC STANDARDS / COMMENTS |
|---|----------------------------------|--------------------------------------|---|
| Conducted emission (measurement) - 110Vac/60Hz Main - 110Vac/60Hz Auxiliary | \$15.207 \$15.207 | PASS PASS | FCC part 15.107, 15.207 and RSS-Gen ANSI C63.4: 2014 |
| Transmitter radiated spurious emissions at frequencies <30MHz - TX mode / 0° - TX mode / 45° - TX mode / 90° | \$15.209 \$15.209 \$15.209 | PASS PASS PASS | FCC part 15.109, 15.209, 15.205, 15.215, 15.247, 15.407 RSS-247, CNR Gen ANSI C63.10: 2013 |
| Transmitter spurious emissions at frequencies >30MHz - 110Vac/60Hz / Radio Off - 110Vac/60Hz / All channel + Wifi 2.4Ghz - 110Vac/60Hz / All channel + Wifi 5Ghz | \$15.209 \$15.209 \$15.209 | PASS PASS PASS | FCC part 15.109, 15.209, 15.205, 15.215, 15.247, 15.407 RSS-247, CNR Gen ANSI C63.10: 2013 |
| Effective radiated power - EIRP / SRD Low Channel - EIRP / SRD Mid Channel - EIRP / SRD High Channel - EIRP / wifi 2.4GHz - EIRP / wifi 5GHz | 1W 1W 1W 1W 1W | PASS PASS PASS PASS PASS | FCC part 15.247, 15.407 RSS-247 ANSI C63.10: 2013 |

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 with the exception of emission tests based on CISPR standards.

| TEST(S) PERFORMED | MODIFICATION(S) |
|--------------------|-----------------|
| ANSI C63.4: 2014 | N/A |
| ANSI C63.10 : 2013 | N/A |

7. MEASUREMENT UNCERTAINTY

| PARAMETER | MAXIMAL EMITECH UNCERTAINTY | MINIMAL STANDARD UNCERTAINTY |
|---|----------------------------------|----------------------------------|
| Radio frequency | $\pm 1 \times 10^{-7}$ | $\pm 1 \times 10^{-7}$ |
| RF power, conducted | | |
| RF power | $\pm 0.8 \text{ dB}$ | $\pm 1 \text{ dB}$ |
| Power spectral density | $\pm 2.3 \text{ dB}$ | $\pm 3 \text{ dB}$ |
| Occupied bandwidth | | |
| RF power | $\pm 3.8 \%$ | $\pm 5 \%$ |
| Conducted emission (spurious) | | |
| $f \leq 1 \text{ GHz}$ | $\pm 0.8 \text{ dB}$ | |
| 1 GHz - 12.75 GHz | $\pm 1.6 \text{ dB}$ | $\pm 3 \text{ dB}$ |
| Radiated emission (ERP / EIRP) | | |
| $f \leq 62.5 \text{ MHz}$ | $\pm 5.1 \text{ dB}$ | $\pm 6 \text{ dB}$ |
| 62.5 MHz - 1 GHz | $\pm 5.1 \text{ dB}$ | $\pm 6 \text{ dB}$ |
| 1 GHz - 18 GHz | $\pm 5.2 \text{ dB}$ | $\pm 6 \text{ dB}$ |
| 18 GHz - 26 GHz | $\pm 5.1 \text{ dB}$ | $\pm 6 \text{ dB}$ |
| 26 GHz - 40 GHz | $\pm 5.4 \text{ dB}$ | $\pm 6 \text{ dB}$ |
| Radiated emission (magnetic field) | | |
| 9kHz – 30MHz | $\pm 3 \text{ dB}$ | $\pm 6 \text{ dB}$ |
| RF level for a given BER | $\pm 0.8 \text{ dB}$ | $\pm 1.5 \text{ dB}$ |
| Supply voltages | $\pm 3 \%$ | $\pm 3 \%$ |
| Temperature | $\pm 1 \text{ }^{\circ}\text{C}$ | $\pm 1 \text{ }^{\circ}\text{C}$ |
| Humidity | $\pm 5 \%$ | $\pm 5 \%$ |
| Time / Duty cycle | $\pm 4.4 \%$ | $\pm 5 \%$ |
| Conducted emission (FCC) | | |
| (Artificial Mains Network) 150kHz – 30MHz | $\pm 3.4 \text{ dB}$ | $\pm 3.4 \text{ dB}$ |
| Radiated emission (electric field for FCC standard) | | |
| 9kHz – 30MHz | $\pm 2.7 \text{ dB}$ | / |
| 30MHz – 1GHz | $\pm 5.0 \text{ dB}$ | / |
| 1GHz – 18GHz | $\pm 5.6 \text{ dB}$ | / |
| 18GHz – 26GHz | $\pm 5.7 \text{ dB}$ | / |
| 26GHz – 40GHz | $\pm 5.7 \text{ dB}$ | / |

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

8. RF EXPOSURE

Maximum EIRP for SRD = 128.8 mW (eirp) at 921.420 MHz
 Maximum EIRP for Wifi 2.4GHz = 229.1 mW (eirp) at 2412 MHz
 Maximum EIRP for Wifi 5GHz = 154.9 mW (eirp) at 5180 MHz

In accordance with KDB 447498 D01 General RF Exposure Guidance v06:

PSD for SRD = $EIRP/(4\pi R^2) = 128.8/(4\pi(20\text{ cm})^2) = 0.0256 \text{ mW/cm}^2$ (Limit : 0.614 mW/cm²)
 PSD for Wifi 2.4GHz = $EIRP/(4\pi R^2) = 229.1/(4\pi(20\text{ cm})^2) = 0.0456 \text{ mW/cm}^2$ (Limit : 0.614 mW/cm²)
 PSD for Wifi 5GHz = $EIRP/(4\pi R^2) = 154.9/(4\pi(20\text{ cm})^2) = 0.0308 \text{ mW/cm}^2$ (Limit : 0.614 mW/cm²)

In accordance with RSS-102, Issue 5, Section 2.5.2.,

EIRP for SRD is lower than 1.39W at 921.420 MHz, RF Exposure exemption can be considered.

EIRP for Wifi 2.4GHz is lower than 2.68W at 2412 MHz, RF Exposure exemption can be considered.

EIRP for Wifi 5GHz is lower than 4.53W at 5180 MHz, RF Exposure exemption can be considered.

In accordance with KDB 447498 D04 Interim General RF Exposure Guidance v01 §2.2.2 and RSS-102, Issue 5, Section 3.1.2:

| Transmitter | Fréquence (GHz) | EIRP (mW) | ERP (mW) | ERP20cm (mW) | EIRP Limit ISED | ERP/ERP20cm | EIRP/EIRPLimit ISED |
|-------------|-----------------|-----------|----------|--------------|-----------------|--------------------|---------------------|
| SRD | 0,92 | 128,80 | 78,51 | 1879,70 | 1390.53 | 0,04 | 0,06 |
| Wifi 2.4GHz | 2,41 | 229,10 | 139,64 | 3060,00 | 2684.03 | 0,05 | 0,05 |
| Wifi 5GHz | 5,18 | 154,90 | 94,42 | 3060,00 | 4525.27 | 0,03 | 0,02 |
| | | | | | | SUM (must be ≤1) : | 0,12 |
| | | | | | | | 0,13 |

9. TEST CONDITIONS AND RESULTS

9.1. 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 40cm from the 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 |
|-----------------------|--------------|----------|-------------|---------|
| 110Vac/60Hz Main | 150kHz-30MHz | §15.207 | EMI4704 | PASS |
| 110Vac/60Hz Auxiliary | 150kHz-30MHz | §15.207 | EMI4705 | PASS |

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

| TEST EQUIPMENT USED | | | | | |
|---------------------|---------------------|-------------------------|------------|------------|------------|
| CATEGORY | BRAND | TYPE | IDENTIFIER | CAL. DATE | CAL. DUE |
| AC power source | KIKUSUI | PCR4000L | 3074 | 25/07/2019 | 25/09/2021 |
| Cable | EMITECH | Current absorber sheath | 9491 | 23/06/2020 | 23/08/2022 |
| Cable | C&C | N-3m | 14334 | 18/03/2021 | 18/05/2023 |
| Ground plane | EMITECH | Test area | 11569 | | |
| LISN | PMM | L2-16 | 1209 | 08/06/2020 | 08/08/2022 |
| Multimeter | FLUKE | 8808A | 12446 | 29/09/2020 | 29/11/2021 |
| Receiver | Rohde & Schwarz | ESI | 9704 | 24/08/2021 | 24/10/2022 |
| Software | Nexio | BAT EMC | 0000 | | |
| Surges Suppressor | Hewlett Packard | 11947A | 0238 | 20/12/2019 | 20/02/2023 |
| Thermohygrometer | Bioblock Scientific | Météostar | 0963 | 07/06/2021 | 07/08/2023 |

BAT-EMC software version: V3.18.0.26

Blank cells = Permanent validity

| CONDUCTED EMISSION (MEASUREMENT) - TABULATED RESULTS | | | | | | |
|--|----------------------|----------------------|-----------------------|---------------------|---------------------|-------------|
| 110VAC/60Hz MAIN | | | | | | EMI4704 |
| Terminal | Test Frequency (MHz) | Detector (Pk/QP/Avg) | Gain/Loss Factor (dB) | Level dB (μ V) | Limit dB (μ V) | Margin (dB) |
| Phase | 0.318 | Avg | 10.09 | 33.57 | 49.76 | -16.19 |
| Neutral | 0.570 | Avg | 10.12 | 32.05 | 46.00 | -13.95 |
| Phase | 0.591 | Avg | 10.12 | 33.37 | 46.00 | -12.63 |
| Neutral | 0.639 | Avg | 10.13 | 30.54 | 46.00 | -15.46 |
| Phase | 0.639 | Avg | 10.13 | 33.19 | 46.00 | -12.81 |
| Phase | 0.656 | Pk | 10.13 | 40.98 | 46.00 | -5.02 |
| Neutral | 0.664 | Pk | 10.13 | 38.46 | 46.00 | -7.54 |
| Phase | 1.090 | Pk | 10.16 | 38.50 | 46.00 | -7.50 |
| Phase | 25.030 | Pk | 10.69 | 40.12 | 50.00 | -9.88 |
| Neutral | 25.030 | Pk | 10.69 | 39.02 | 50.00 | -10.98 |

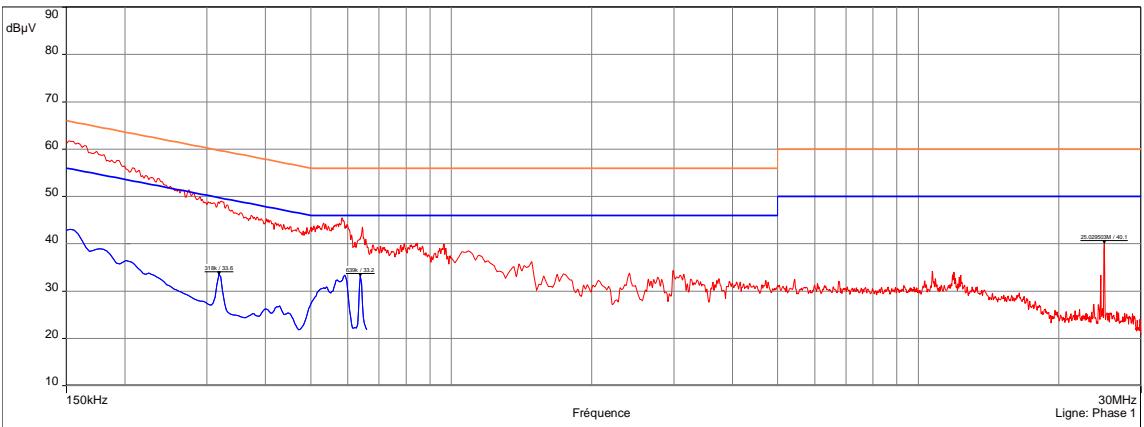
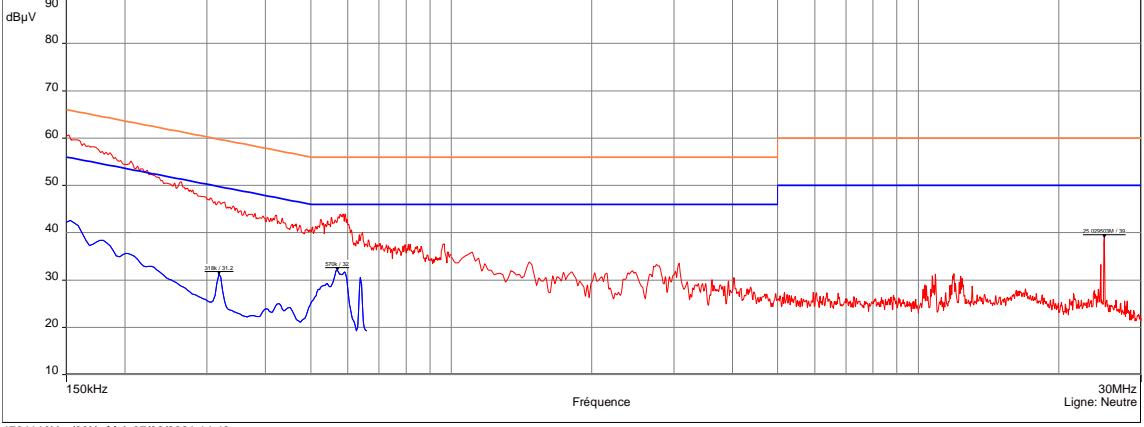
Supplementary information: N/A

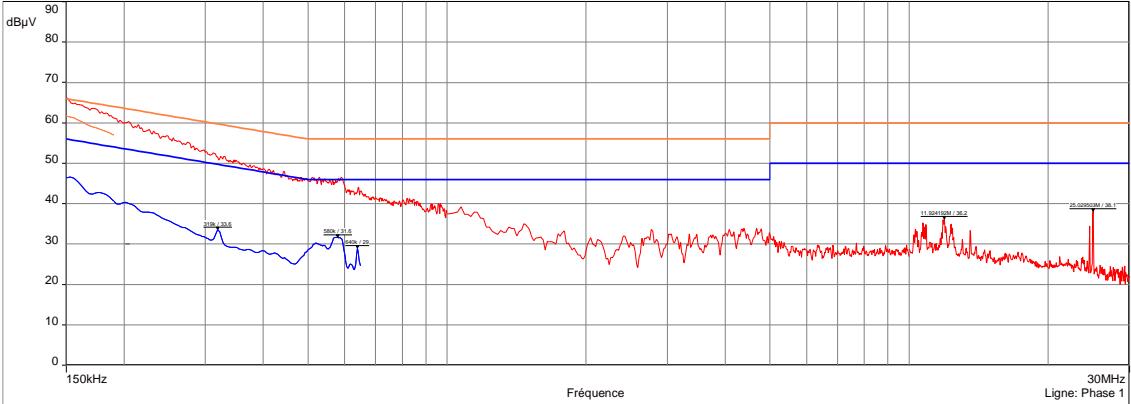
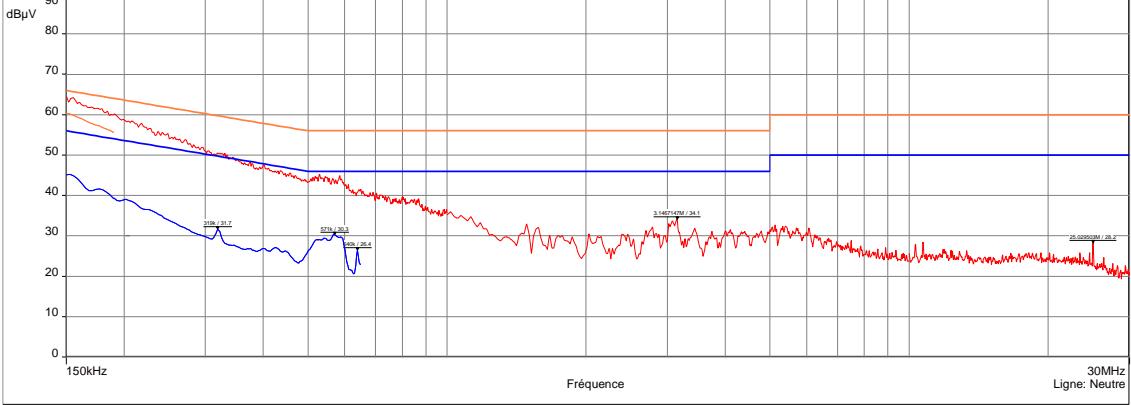
| CONDUCTED EMISSION (MEASUREMENT) - TABULATED RESULTS | | | | | | |
|--|----------------------|----------------------|-----------------------|---------------------|---------------------|-------------|
| 110VAC/60Hz AUXILIARY | | | | | | EMI4705 |
| Terminal | Test Frequency (MHz) | Detector (Pk/QP/Avg) | Gain/Loss Factor (dB) | Level dB (μ V) | Limit dB (μ V) | Margin (dB) |
| Phase | 0.150 | QP | 10.08 | 61.65 | 66.00 | -4.35 |
| Neutral | 0.150 | QP | 10.08 | 60.38 | 66.00 | -5.62 |
| Phase | 0.153 | Avg | 10.08 | 46.56 | 55.84 | -9.28 |
| Neutral | 0.153 | Avg | 10.08 | 45.22 | 55.84 | -10.62 |
| Phase | 0.190 | Avg | 10.08 | 40.59 | 54.04 | -13.45 |
| Neutral | 0.190 | Avg | 10.08 | 39.37 | 54.04 | -14.67 |
| Phase | 0.571 | Avg | 10.12 | 31.67 | 46.00 | -14.33 |
| Neutral | 1.018 | Pk | 10.16 | 35.98 | 46.00 | -10.02 |
| Phase | 1.072 | Pk | 10.16 | 39.20 | 46.00 | -6.80 |
| Neutral | 3.147 | Pk | 10.27 | 34.09 | 46.00 | -11.91 |
| Phase | 4.391 | Pk | 10.33 | 33.90 | 46.00 | -12.10 |
| Phase | 25.030 | Pk | 10.69 | 38.13 | 50.00 | -11.87 |

Supplementary information: N/A

TEST SETUP PHOTO(S)



| CONDUCTED EMISSION (MEASUREMENT) - GRAPH | | | | |
|--|------------------------------|-----------------|------------|---------|
| 110VAC/60Hz MAIN | | | EMI4704 | |
| EUT mode: | Continuous modulated Tx mode | T (°C): | 25.5 | |
| Test Date: | 07/09/2021 | H (%): | 52.4 | |
| Test Operator: | OAT | P (hPa): | 1011 | |
|  <p>4704110Vac/60Hz Main07/09/2021 14:43</p> <p>Legend: FCC/15.107: 2018 - Classe:B - Moyenne/ FCC/15.107: 2018 - Classe:B - QCréte/ Mes.Peak (Phase 1) Mes.Avg (Phase 1) </p> | | | | |
|  <p>4704110Vac/60Hz Main07/09/2021 14:43</p> <p>Legend: FCC/15.107: 2018 - Classe:B - Moyenne/ FCC/15.107: 2018 - Classe:B - QCréte/ Mes.Peak (Neutre) Mes.Avg (Neutre) </p> | | | | |
| POSITION | FREQUENCIES | RBW | VBW | |
| Neutral | 150kHz-1MHz | 10kHz | 30kHz | Peak |
| Neutral | 1MHz-10MHz | 10kHz | 30kHz | Peak |
| Neutral | 10MHz-30MHz | 10kHz | 30kHz | Peak |
| Phase 1 | 150kHz-1MHz | 10kHz | 30kHz | Peak |
| Phase 1 | 1MHz-10MHz | 10kHz | 30kHz | Peak |
| Phase 1 | 10MHz-30MHz | 10kHz | 30kHz | Peak |
| Phase 1 | 150kHz-660kHz | 10kHz | 30kHz | Average |
| Neutral | 150kHz-660kHz | 10kHz | 30kHz | Average |
| Measure with: | A.M.N. | | | |
| Comments: | N/A | | | |
| EUT modification(s): N/A | | | | |

| CONDUCTED EMISSION (MEASUREMENT) - GRAPH | | | | |
|---|------------------------------|-----------------|------------|---------|
| 110VAC/60Hz AUXILIARY | | | EMI4705 | |
| EUT mode: | Continuous modulated Tx mode | T (°C): | 25.5 | |
| Test Date: | 07/09/2021 | H (%): | 52.4 | |
| Test Operator: | OAT | P (hPa): | 1011 | |
|  <p>Legend: FCC/15.107: 2018 - Classe:B - Moyenne/ FCC/15.107: 2018 - Classe:B - QCrête/ Mes.Peak (Phase 1) Mes.QPeak (Phase 1) Mes.Avg (Phase 1) </p> | | | | |
|  <p>Legend: FCC/15.107: 2018 - Classe:B - Moyenne/ FCC/15.107: 2018 - Classe:B - QCrête/ Mes.Peak (Neutre) Mes.QPeak (Neutre) Mes.Avg (Neutre) </p> | | | | |
| POSITION | FREQUENCIES | RBW | VBW | |
| Neutral | 150kHz-1MHz | 10kHz | 30kHz | Peak |
| Neutral | 1MHz-10MHz | 10kHz | 30kHz | Peak |
| Neutral | 10MHz-30MHz | 10kHz | 30kHz | Peak |
| Phase 1 | 150kHz-1MHz | 10kHz | 30kHz | Peak |
| Phase 1 | 1MHz-10MHz | 10kHz | 30kHz | Peak |
| Phase 1 | 10MHz-30MHz | 10kHz | 30kHz | Peak |
| Neutral | 150kHz-190kHz | 10kHz | 30kHz | QPeak |
| Neutral | 190kHz-650kHz | 10kHz | 30kHz | Average |
| Phase 1 | 150kHz-190kHz | 10kHz | 30kHz | QPeak |
| Phase 1 | 190kHz-650kHz | 10kHz | 30kHz | Average |
| Measure with: | A.M.N. | | | |
| Comments: | N/A | | | |
| EUT modification(s): N/A | | | | |

9.2. Transmitter radiated spurious emissions at frequencies <30MHz

| | |
|---|---|
| Reference standard: | FCC part 15 Radio part 15.247 and RSS-247 |
| Test method: | ANSI C63.10 : 2013 |
| 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 / 0° | 9kHz-30MHz | §15.209 | EMI4662 | PASS |
| TX mode / 45° | 9kHz-30MHz | §15.209 | EMI4667 | PASS |
| TX mode / 90° | 9kHz-30MHz | §15.209 | EMI4668 | PASS |

| LABORATORY PARAMETERS: | REQUIRED PRIOR TO THE TEST | DURING THE TEST |
|--|----------------------------|-----------------|
| Ambient Temperature | 15 to 35 °C | See Graph(s) |
| Relative Humidity | 20 to 75 % | See Graph(s) |
| Atmospheric pressure | N/A | See Graph(s) |
| Test method deviation: N/A | | |
| Supplementary information: Limit indicated on the curves is calculated with 40 dB/decade extrapolation factor and 51.5 dB conversion factor. | | |

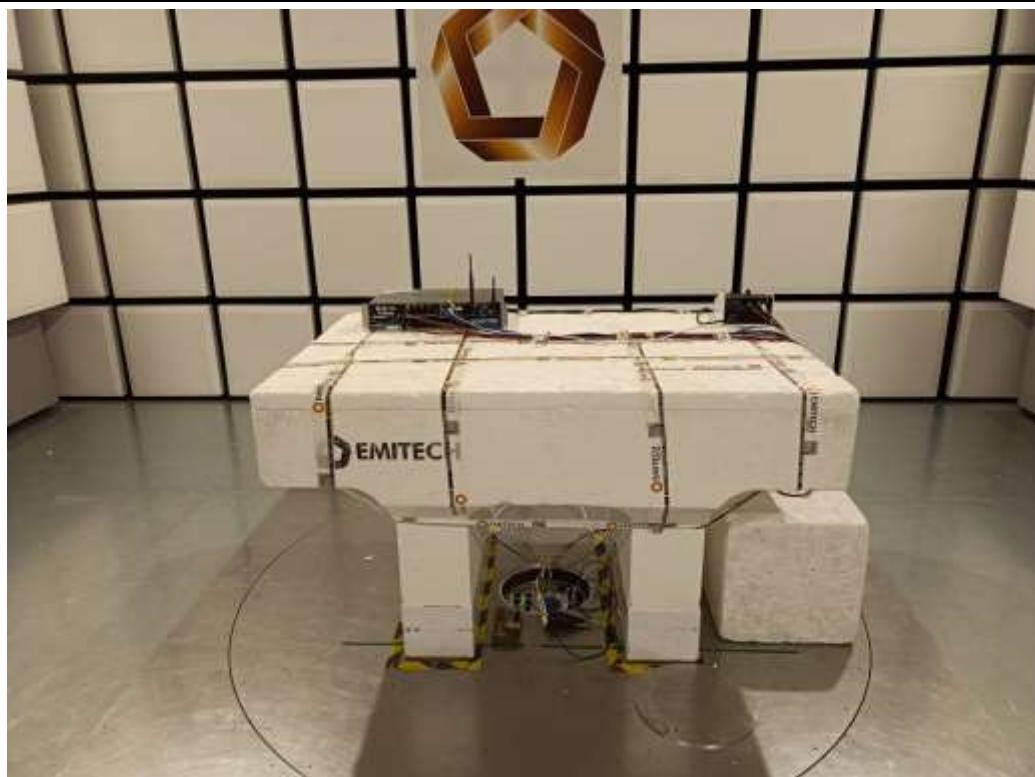
| TEST EQUIPMENT USED | | | | | |
|---------------------|---------------------|---------------|------------|------------|------------|
| CATEGORY | BRAND | TYPE | IDENTIFIER | CAL. DATE | CAL. DUE |
| Antenna | Rohde & Schwarz | HFH2-Z2 | 5825 | 24/04/2020 | 24/06/2022 |
| Cable | SUCOFLEX | N-6,5m | 14380 | 25/07/2019 | 25/09/2021 |
| Cable | MegaPhase | N-8m | 15813 | 14/01/2021 | 14/03/2023 |
| Cable | MegaPhase | TM18-N1N1-118 | 12842 | 02/12/2020 | 02/02/2023 |
| Receiver | Rohde & Schwarz | ESW26 | 17791 | 14/04/2021 | 14/06/2022 |
| Shielded enclosure | COMTEST | SAC 3m | 14494 | 02/10/2019 | 02/12/2022 |
| Software | Nexio | BAT EMC | 0000 | | |
| Thermohygrometer | Testo | 608-H2 | 12269 | 07/05/2020 | 07/07/2022 |
| Thermohygrometer | Bioblock Scientific | Météostar | 0963 | 07/06/2021 | 07/08/2023 |

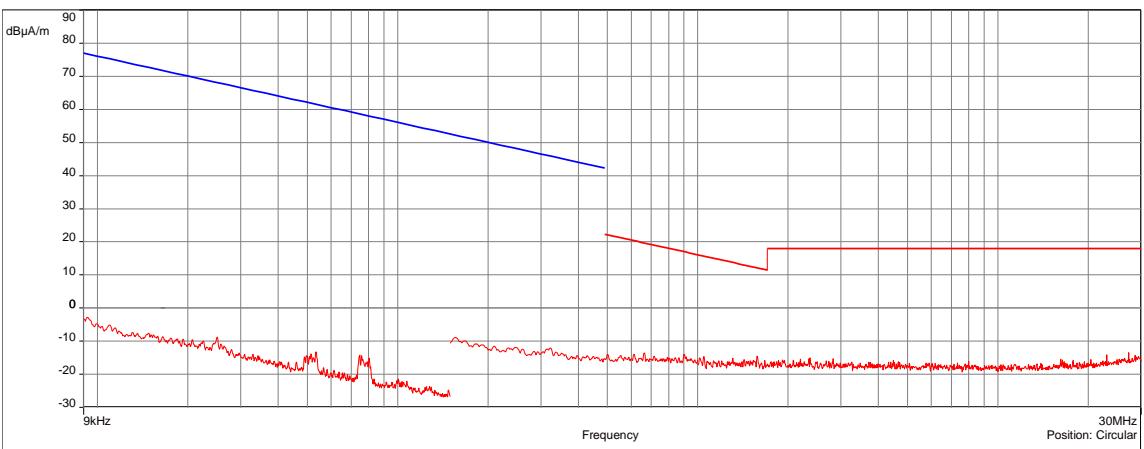
BAT-EMC software version: V3.18.0.26

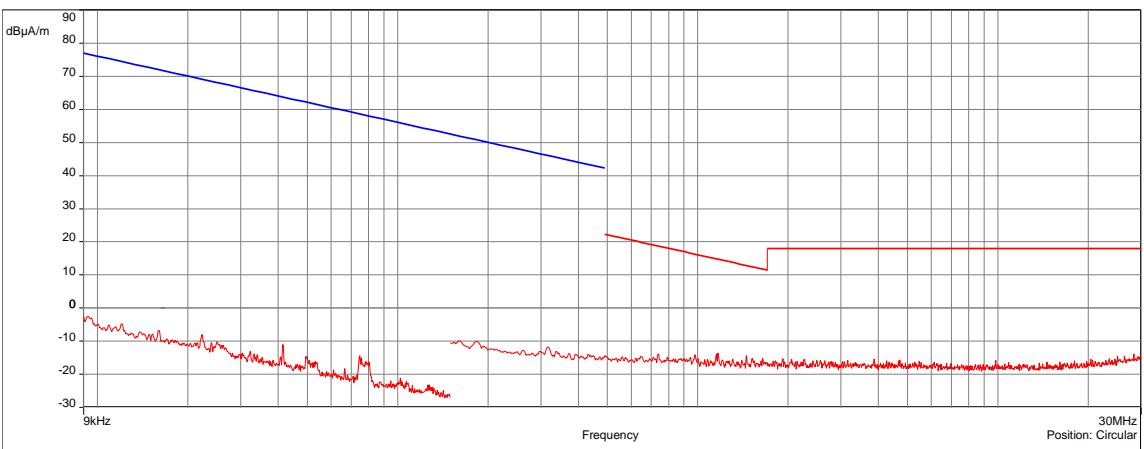
Blank cells = Permanent validity

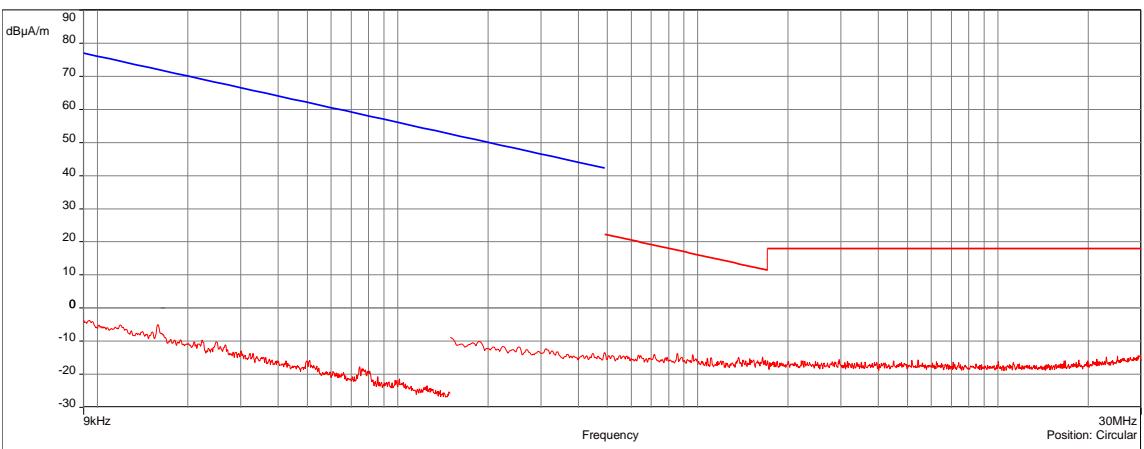
| TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHz - TABULATED RESULTS | | | |
|---|------------------|----------------------|----------------------|
| Frequency (MHz) | Antenna Position | Level (dB μ A/m) | Limit (dB μ A/m) |
| N/A | N/A | N/A | N/A |

No spurious emissions were detected.

TEST SETUP PHOTO(S) – EUT POSITION**TEST SETUP PHOTO(S)**

| TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHz - GRAPH | | | | |
|---|--|-----------------|---------|----------|
| TX MODE / 0° | | | EMI4662 | |
| EUT mode: | Continuous modulated Tx mode | T (°C): | 22.1 | |
| Test Date: | 07/09/2021 | H (%): | 62.4 | |
| Test Operator: | OAT | P (hPa): | 1011 | |
|  <small>Legend: FCC/FCC Part 15 §209 Tx - Moyenne/3.0m/ FCC/FCC Part 15 §209 Tx - QCréte/3.0m/ Meas.Peak</small> | | | | |
| 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 / 45° | | | EMI4667 | |
| EUT mode: | Continuous modulated Tx mode | T (°C): | 22.1 | |
| Test Date: | 07/09/2021 | H (%): | 62.4 | |
| Test Operator: | OAT | P (hPa): | 1011 | |
|  <small>Legend: FCC/FCC Part 15 §209 Tx - Moyenne/3.0m/ FCC/FCC Part 15 §209 Tx - QCréte/3.0m/ Meas.Peak</small> | | | | |
| 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 / 90° | | | EMI4668 | |
| EUT mode: | Continuous modulated Tx mode | T (°C): | 22.1 | |
| Test Date: | 07/09/2021 | H (%): | 62.4 | |
| Test Operator: | OAT | P (hPa): | 1011 | |
|  <small>Legend: FCC/FCC Part 15 §209 Tx - Moyenne/3.0m/ FCC/FCC Part 15 §209 Tx - QCréte/3.0m/ Meas.Peak</small> | | | | |
| 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 | | | | |

9.3. Transmitter radiated spurious emissions at frequencies >30MHz

| | |
|--|---|
| Reference standard: | FCC part 15 Radio part 15.247 and RSS-247 |
| Test method: | ANSI C63.10 : 2013 |
| General test setup: EUT is set on an insulating support at 801cm for Freq < 1GHz and 150cm for Freq > 1GHz 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 equipments a research of maximum level is done on the 3 axes. Only the highest levels are recorded | |

| TESTED CONFIGURATION | PARAMETER | SEVERITY | RESULT TAB. | VERDICT |
|---|-------------|----------|-------------|---------|
| 110Vac/60Hz / Radio Off | 30MHz-18GHz | §15.209 | EMI4671 | PASS |
| 110Vac/60Hz / All channel + Wifi 2.4Ghz | 30MHz-18GHz | §15.209 | EMI4672 | PASS |
| 110Vac/60Hz / All channel + Wifi 5Ghz | 30MHz-18GHz | §15.209 | EMI4682 | PASS |

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

| TEST EQUIPMENT USED | | | | | |
|---------------------|-----------------------|--------------------|------------|------------|------------|
| CATEGORY | BRAND | TYPE | IDENTIFIER | CAL. DATE | CAL. DUE |
| AC power source | KIKUSUI | PCR4000L | 3074 | 25/07/2019 | 25/09/2021 |
| Antenna | ETS-Lindgren | 3117 | 5456 | 24/07/2019 | 24/09/2022 |
| Antenna | Electro Metrics | BIA-30HF | 1107 | 27/06/2018 | 27/02/2022 |
| Antenna | Rohde & Schwarz | HL223 | 1137 | 27/06/2018 | 27/02/2022 |
| Attenuator | Techniwave | TWSMA-10dB-18G-SMA | 14674 | 27/12/2019 | 27/02/2023 |
| Cable | MegaPhase | F135N1N28 | 16664 | 25/10/2019 | 25/12/2021 |
| Cable | MegaPhase | F135N1N28 | 16668 | 25/10/2019 | 25/12/2021 |
| Cable | cables and connectors | N-1.5m | 4201 | 27/01/2021 | 27/03/2023 |
| Cable | cables and connectors | N-1.5m | 4203 | 27/01/2021 | 27/03/2023 |
| Cable | / | N-1m | 3625 | 27/01/2021 | 27/03/2023 |
| Cable | SUCOFLEX | N-3m | 14378 | 25/06/2019 | 25/02/2022 |
| Cable | SUCOFLEX | N-3m | 14379 | 25/06/2019 | 25/02/2022 |
| Cable | SUCOFLEX | N-6,5m | 14380 | 25/07/2019 | 25/09/2021 |
| Cable | MegaPhase | N-8m | 15813 | 14/01/2021 | 14/03/2023 |

| CATEGORY | BRAND | TYPE | IDENTIFIER | CAL. DATE | CAL. DUE |
|--------------------|---------------------|---------------|------------|------------|------------|
| Cable | Huber + Suhner | SF102K | 16042 | 24/03/2021 | 24/05/2023 |
| Cable | MegaPhase | TM18-N1N1-118 | 12842 | 02/12/2020 | 02/02/2023 |
| Filter | Micro-Tronics | HPM 15162 | 10273 | 12/01/2019 | 12/03/2022 |
| Filter | Micro-Tronics | HPM15600 | 6607 | 03/09/2019 | 03/11/2022 |
| Filter | Micro-Tronics | HPM18865 | 12843 | 09/06/2018 | 09/02/2022 |
| Filter | Micro-Tronics | LPM15601 | 6606 | 03/09/2019 | 03/11/2022 |
| Multimeter | FLUKE | 8808A | 12446 | 29/09/2020 | 29/11/2021 |
| Preamplifier | Techniwave | APS16-0087 | 14040 | 02/12/2020 | 02/02/2022 |
| Preamplifier | IMPULSE | CA118-546ACN | 9169 | 13/01/2021 | 13/03/2022 |
| Receiver | Rohde & Schwarz | ESW26 | 17791 | 14/04/2021 | 14/06/2022 |
| Receiver | Rohde & Schwarz | FSW43 | 14830 | 29/07/2020 | 29/09/2021 |
| Shielded enclosure | RAY PROOF | C.V2 | 1423 | 04/10/2019 | 04/12/2022 |
| Shielded enclosure | COMTEST | SAC 3m | 14494 | 02/10/2019 | 02/12/2022 |
| Software | Nexio | BAT EMC | 0000 | | |
| Thermohygrometer | Testo | 608-H2 | 12269 | 07/05/2020 | 07/07/2022 |
| Thermohygrometer | Bioblock Scientific | Météostar | 0963 | 07/06/2021 | 07/08/2023 |

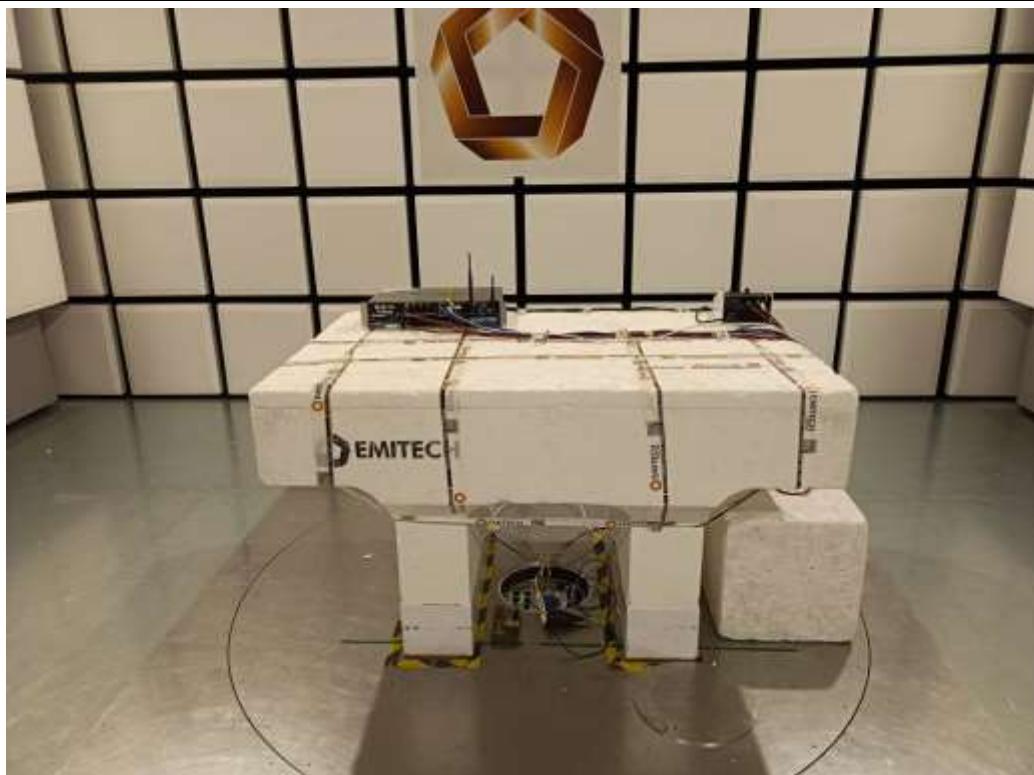
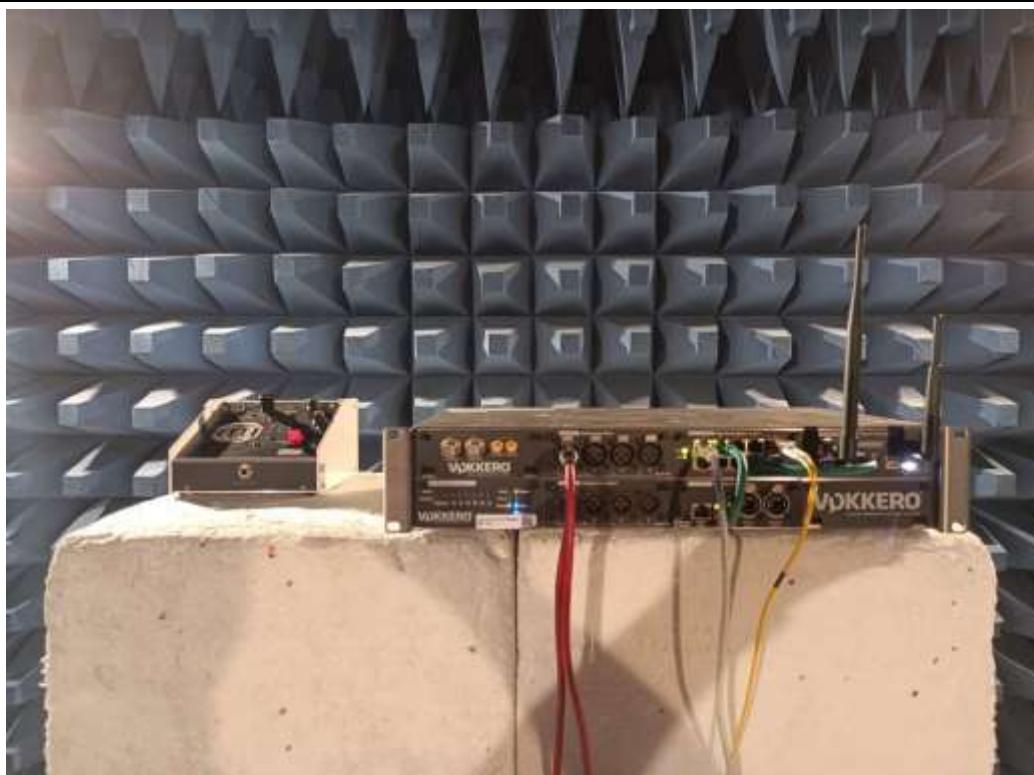
BAT-EMC software version: V3.18.0.26

Blank cells = Permanent validity

| TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHz - TABULATED RESULTS | | | | | |
|---|--------------|---------------------------|---------------------------|---------------------------|------------------------|
| 110VAC/60Hz / RADIO OFF | | | | EMI4671 | |
| Frequency (MHz) | Polarization | Level Peak (dB μ V/m) | Leve Qpeak (dB μ V/m) | Limit Qpeak (dB μ /m) | Margin (Level – Limit) |
| 38.905 | Vertical | 36.61 | 30.53 | 40.00 | -9.47 |
| 41.753 | Vertical | 36.71 | 30.12 | 40.00 | -9.88 |
| 81.219 | Vertical | 36.31 | 30.53 | 40.00 | -9.47 |
| 150.014 | Horizontal | 41.56 | 39.70 | 43.50 | -3.80 |
| 150.014 | Vertical | 42.56 | 40.01 | 43.50 | -3.49 |
| 172.032 | Horizontale | 38.04 | 36.23 | 43.50 | -7.27 |
| 275.009 | Horizontale | 40.77 | 38.93 | 46.00 | -7.07 |
| 375.022 | Vertical | 44.96 | 43.24 | 46.00 | -2.76 |
| 375.022 | Horizontale | 45.92 | 44.22 | 46.00 | -1.78 |
| 425.028 | Vertical | 42.92 | 40.33 | 46.00 | -5.67 |
| 525.041 | Horizontale | 40.88 | 38.27 | 46.00 | -7.73 |
| 875.084 | Horizontale | 40.25 | 34.45 | 46.00 | -11.55 |
| EUT modification(s): N/A | | | | | |

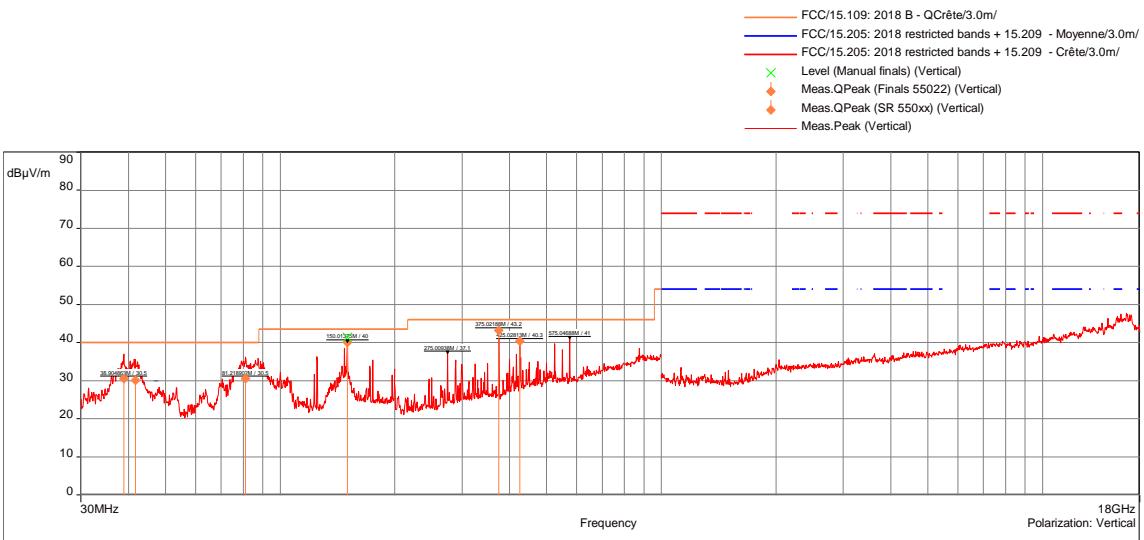
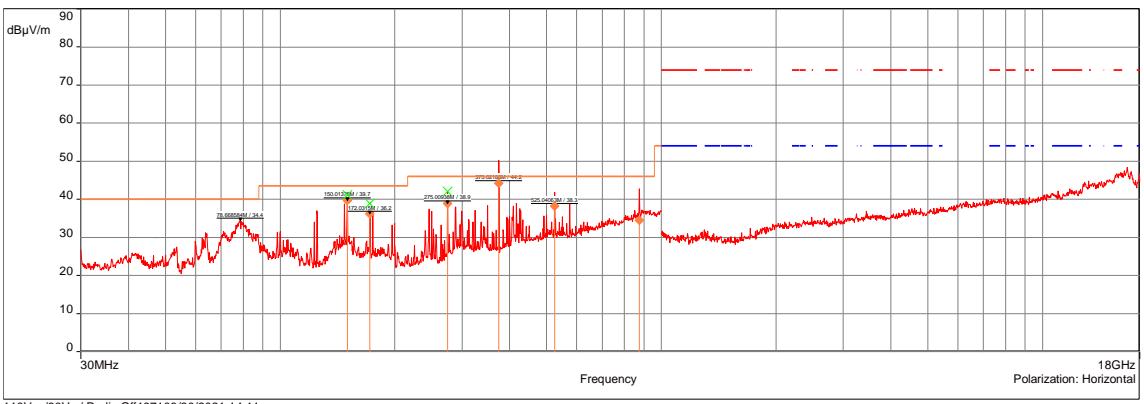
| TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHz - TABULATED RESULTS | | | | | |
|---|--------------|---------------------------|---------------------------|---------------------------|------------------------|
| 110VAC/60Hz / ALL CHANNEL + WIFI 2.4GHz | | | | EMI4672 | |
| Frequency (MHz) | Polarization | Level Peak (dB μ V/m) | Leve Qpeak (dB μ V/m) | Limit Qpeak (dB μ /m) | Margin (Level – Limit) |
| 38.905 | Verticale | 36.61 | 30.53 | 40.00 | -9.47 |
| 41.753 | Verticale | 36.71 | 30.12 | 40.00 | -9.88 |
| 81.219 | Verticale | 36.31 | 30.53 | 40.00 | -9.47 |
| 150.014 | Horizontale | 42.26 | 40.01 | 43.50 | -3.49 |
| 150.014 | Verticale | 41.56 | 39.67 | 43.50 | -3.83 |
| 172.032 | Horizontale | 38.04 | 36.23 | 43.50 | -7.27 |
| 275.009 | Horizontale | 40.77 | 38.93 | 46.00 | -7.07 |
| 375.022 | Verticale | 44.96 | 43.24 | 46.00 | -2.76 |
| 375.022 | Horizontale | 45.92 | 44.22 | 46.00 | -1.78 |
| 425.028 | Verticale | 42.92 | 40.33 | 46.00 | -5.67 |
| 525.041 | Horizontale | 40.88 | 38.27 | 46.00 | -7.73 |
| 575.047 | Verticale | 40.96 | N/P | 46.00 | -5.04 |
| 875.084 | Horizontale | 34.45 | 40.25 | 46.00 | -5.75 |
| EUT modification(s): N/A | | | | | |

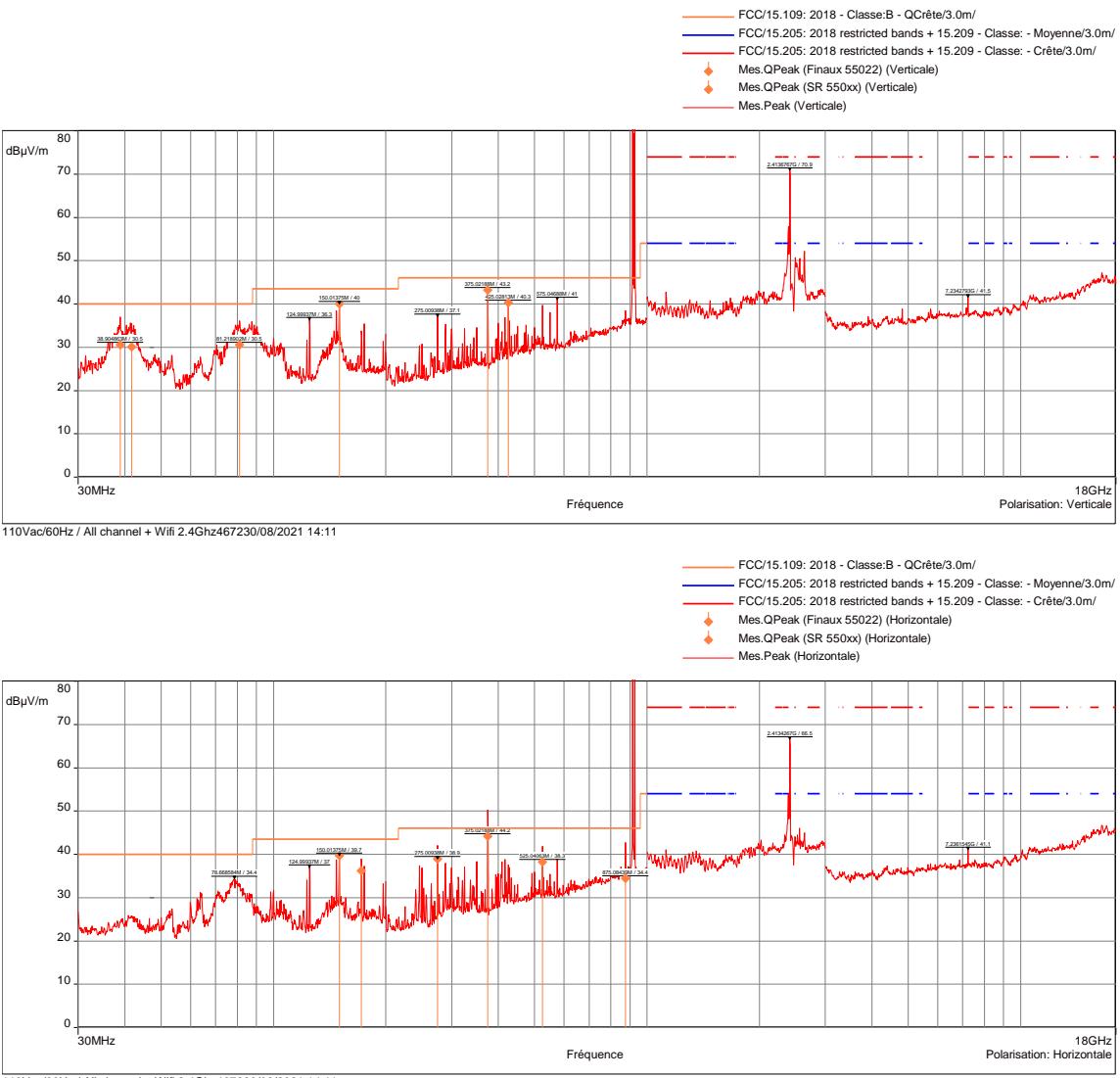
| TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHz - TABULATED RESULTS | | | | | |
|---|--------------|---------------------------|---------------------------|---------------------------|------------------------|
| 110VAC/60Hz / ALL CHANNEL + WIFI 5GHz | | | | EMI4682 | |
| Frequency (MHz) | Polarization | Level Peak (dB μ V/m) | Leve Qpeak (dB μ V/m) | Limit Qpeak (dB μ /m) | Margin (Level – Limit) |
| 38.905 | Verticale | 36.61 | 30.53 | 40.00 | -9.47 |
| 41.753 | Verticale | 36.71 | 30.12 | 40.00 | -9.88 |
| 81.219 | Verticale | 36.31 | 30.53 | 40.00 | -9.47 |
| 150.014 | Horizontale | 42.26 | 40.01 | 43.50 | -3.49 |
| 150.014 | Verticale | 41.56 | 39.67 | 43.50 | -3.83 |
| 172.032 | Horizontale | 38.04 | 36.23 | 43.50 | -7.27 |
| 275.009 | Horizontale | 40.77 | 38.93 | 46.00 | -7.07 |
| 375.022 | Verticale | 44.96 | 43.24 | 46.00 | -2.76 |
| 375.022 | Horizontale | 45.92 | 44.22 | 46.00 | -1.78 |
| 425.028 | Verticale | 42.92 | 40.33 | 46.00 | -5.67 |
| 525.041 | Horizontale | 40.88 | 38.27 | 46.00 | -7.73 |
| 875.084 | Horizontale | 40.25 | 34.45 | 46.00 | -11.55 |
| EUT modification(s): N/A | | | | | |

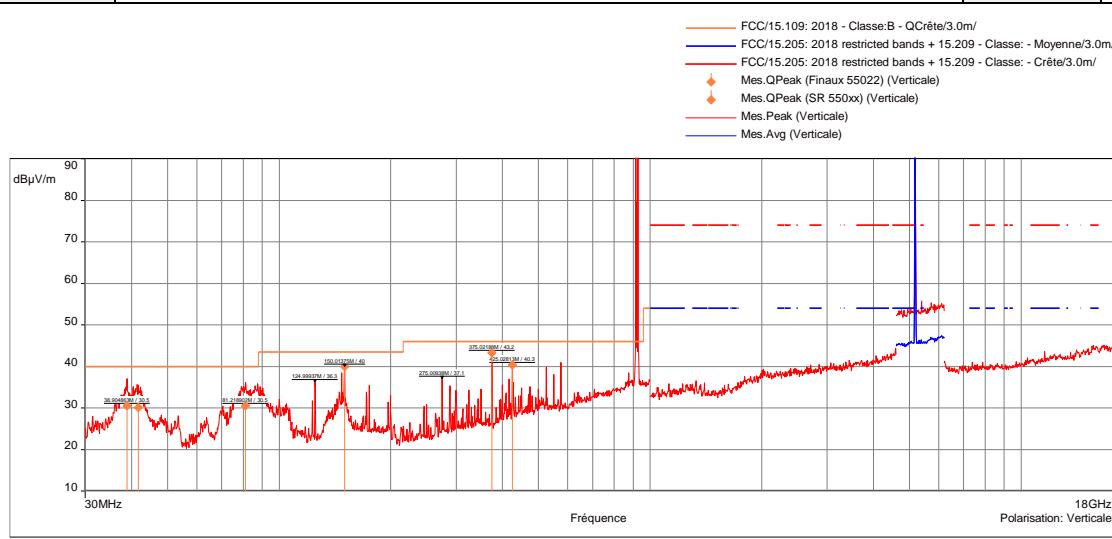
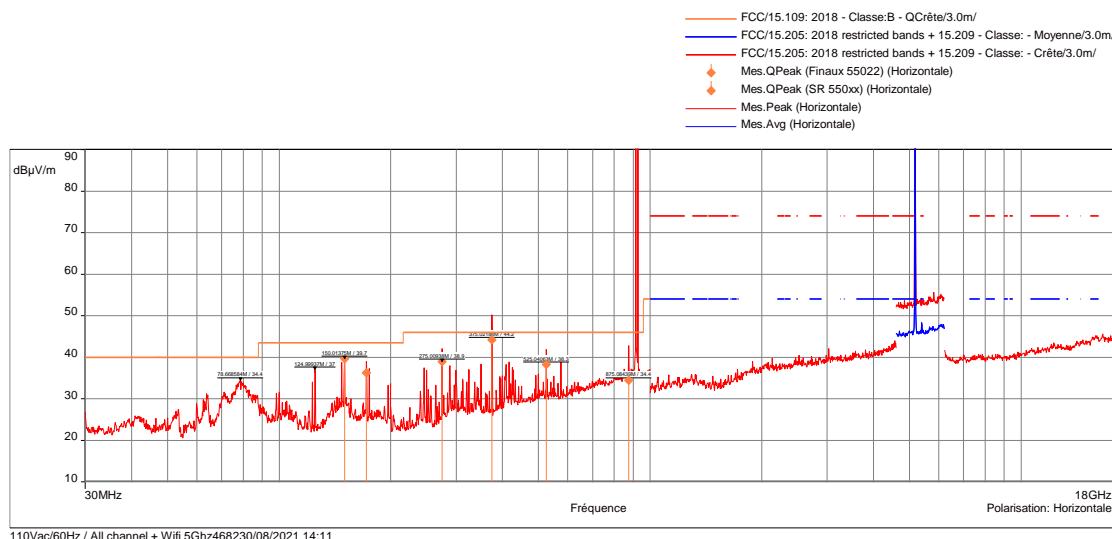
TEST SETUP PHOTO(s) – EUT Position for FREQ < 1GHz**TEST SETUP PHOTO(s) – EUT Position for FREQ > 1GHz**

TEST SETUP PHOTO(S) – SETUP FOR FREQ < 200MHz**TEST SETUP PHOTO(S) - SETUP FOR 200MHz < FREQ < 1GHz**

TEST SETUP PHOTO(s) - SETUP FOR FREQ > 1GHz

| TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHz - GRAPH | | | | |
|--|--------------------|-----------------|------------|-------------|
| 110VAC/60Hz / RADIO OFF | | | EMI4671 | |
| EUT mode: | Radio Off | T (°C): | 21.8 | |
| Test Date: | 30/08/2021 | H (%): | 45.0 | |
| Test Operator: | OAT | P (hPa): | 1010 | |
|  <p>Legend:</p> <ul style="list-style-type: none"> FCC/15.109: 2018 B - QCréte/3.0m/ FCC/15.205: 2018 restricted bands + 15.209 - Moyenne/3.0m/ FCC/15.205: 2018 restricted bands + 15.209 - Crête/3.0m/ Level (Manual finals) (Vertical) Meas.QPeak (Finals 55022) (Vertical) Meas.QPeak (SR 550xx) (Vertical) Meas.Peak (Vertical) <p>110Vac/60Hz / Radio Off 4671 08/30/2021 14:11</p> | | | | |
|  <p>Legend:</p> <ul style="list-style-type: none"> FCC/15.109: 2018 B - QCréte/3.0m/ FCC/15.205: 2018 restricted bands + 15.209 - Moyenne/3.0m/ FCC/15.205: 2018 restricted bands + 15.209 - Crête/3.0m/ Level (Manual finals) (Horizontal) Meas.QPeak (Finals 55022) (Horizontal) Meas.QPeak (SR 550xx) (Horizontal) Meas.Peak (Horizontal) <p>110Vac/60Hz / Radio Off 4671 08/30/2021 14:11</p> | | | | |
| POSITION | FREQUENCIES | RBW | VBW | |
| Vertical | 30MHz-200MHz | 100kHz | 300kHz | Peak; QPeak |
| Horizontal | 30MHz-200MHz | 100kHz | 300kHz | Peak; QPeak |
| Horizontal | 200MHz-1GHz | 100kHz | 300kHz | Peak; QPeak |
| Vertical | 200MHz-1GHz | 100kHz | 300kHz | Peak; QPeak |
| Vertical | 1GHz-18GHz | 1MHz | 3MHz | Peak |
| Horizontal | 1GHz-18GHz | 1MHz | 3MHz | Peak |
| Configuration: | N/A | | | |
| Comments: | N/A | | | |
| EUT modification(s): N/A | | | | |

| TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHz - GRAPH | | | | | | |
|---|---|------------|-----------------|-----------------|--|--|
| 110VAC/60Hz / ALL CHANNEL + WIFI 2.4GHz | | | | EMI4672 | | |
| EUT mode: | Continuous modulated Tx mode | | T (°C): | 21.8 | | |
| Test Date: | 30/08/2021 | | H (%): | 45.0 | | |
| Test Operator: | OAT | | P (hPa): | 1010 | | |
|  <p>Legend:</p> <ul style="list-style-type: none"> FCC/15.109: 2018 - Classe:B - QCréte/3.0m/ FCC/15.205: 2018 restricted bands + 15.209 - Classe: - Moyenne/3.0m/ FCC/15.205: 2018 restricted bands + 15.209 - Classe: - Crête/3.0m/ Mes.QPeak (Finax 55022) (Verticale) Mes.QPeak (SR 550x) (Verticale) Mes.Peak (Verticale) <p>110Vac/60Hz / All channel + Wifi 2.4Ghz467230/08/2021 14:11</p> | | | | | | |
|  <p>Legend:</p> <ul style="list-style-type: none"> FCC/15.109: 2018 - Classe:B - QCréte/3.0m/ FCC/15.205: 2018 restricted bands + 15.209 - Classe: - Moyenne/3.0m/ FCC/15.205: 2018 restricted bands + 15.209 - Classe: - Crête/3.0m/ Mes.QPeak (Finax 55022) (Horizontale) Mes.QPeak (SR 550x) (Horizontale) Mes.Peak (Horizontale) <p>110Vac/60Hz / All channel + Wifi 2.4Ghz467230/08/2021 14:11</p> | | | | | | |
| POSITION | FREQUENCIES | RBW | VBW | DETECTOR | | |
| Vertical | 30MHz-200MHz | 100kHz | 300kHz | Peak; QPeak | | |
| Horizontal | 30MHz-200MHz | 100kHz | 300kHz | Peak; QPeak | | |
| Horizontal | 200MHz-1GHz | 100kHz | 300kHz | Peak; QPeak | | |
| Vertical | 200MHz-1GHz | 100kHz | 300kHz | Peak; QPeak | | |
| Vertical | 1GHz-3GHz | 1MHz | 3MHz | Peak | | |
| Horizontal | 1GHz-3GHz | 1MHz | 3MHz | Peak | | |
| Vertical | 3GHz-18GHz | 1MHz | 3MHz | Peak | | |
| Horizontal | 3GHz-18GHz | 1MHz | 3MHz | Peak | | |
| Configuration: | N/A | | | | | |
| Comments: | Frequencies between 902MHz-920MHz and 2400MHz-2483.5MHz are respectively the SRD and the WiFi 2.4GHz main carrier signal. | | | | | |
| EUT modification(s): N/A | | | | | | |

| TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHz - GRAPH | | | | | | |
|--|---|--------|----------|-------------|--|--|
| 110VAC/60Hz / ALL CHANNEL + WIFI 5GHz | | | EMI4682 | | | |
| EUT mode: | Continuous modulated Tx mode | | T (°C): | 21.8 | | |
| Test Date: | 30/08/2021 | | H (%): | 45.0 | | |
| Test Operator: | OAT | | P (hPa): | 1010 | | |
|  <p>110Vac/60Hz / All channel + Wifi 5Ghz468230/08/2021 14:11</p> | | | | | | |
|  <p>110Vac/60Hz / All channel + Wifi 5Ghz468230/08/2021 14:11</p> | | | | | | |
| POSITION | FREQUENCIES | RBW | VBW | DETECTOR | | |
| Vertical | 30MHz-200MHz | 100kHz | 300kHz | Peak; QPeak | | |
| Horizontal | 30MHz-200MHz | 100kHz | 300kHz | Peak; QPeak | | |
| Horizontal | 200MHz-1GHz | 100kHz | 300kHz | Peak; QPeak | | |
| Vertical | 200MHz-1GHz | 100kHz | 300kHz | Peak; QPeak | | |
| Vertical | 1GHz-4.6GHz | 1MHz | 3MHz | Peak | | |
| Horizontal | 1GHz-4.6GHz | 1MHz | 3MHz | Peak | | |
| Vertical | 6.2GHz-18GHz | 1MHz | 3MHz | Peak | | |
| Horizontal | 6.2GHz-18GHz | 1MHz | 3MHz | Peak | | |
| Vertical | 4.6GHz-6.2GHz | 1MHz | 3MHz | Peak; Avg | | |
| Horizontal | 4.6GHz-6.2GHz | 1MHz | 3MHz | Peak; Avg | | |
| Configuration: | N/A | | | | | |
| Comments: | Frequencies between 902MHz-920MHz and 5150MHz-5850MHz are respectively the SRD and the WiFi 5GHz main carrier signal. | | | | | |

| TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHz - GRAPH | |
|---|---------|
| 110VAC/60Hz / ALL CHANNEL + WIFI 5GHz | EMI4682 |
| EUT modification(s): N/A | |

9.4. Effective isotropic radiated power

| | |
|---|--|
| Reference standard: | FCC part 15 Radio part 15.245, 15.407 and RSS-247, RSS-Gen |
| Test method: | ANSI C63.10 : 2013 |
| General test setup: EUT is set on an insulating support at 150cm above the ground reference plane. | |
| Measurement are done on a normalized test site by the substitution method. | |
| The test antenna is oriented in the two polarizations (vertical and horizontal), and the product is rotated at 360° in the horizontal plane (See photo(s) for initial position of the EUT(0°)). If applicable the test antenna was raised and lowered through the specified range of height until a maximum signal level is detected. | |
| For portable equipments a research of maximum level is done on the 3 axes. Only the highest levels are recorded. | |

| TESTED CONFIGURATION | PARAMETER | SEVERITY | RESULT TAB. | VERDICT |
|-------------------------|---------------------|------------|-------------|---------|
| EIRP / SRD Low Channel | 915.17MHz-915.67MHz | 30dBm (1W) | EMI4546 | PASS |
| EIRP / SRD Mid Channel | 921.17MHz-921.67MHz | 30dBm (1W) | EMI4547 | PASS |
| EIRP / SRD High Channel | 927.17MHz-927.67MHz | 30dBm (1W) | EMI4548 | PASS |
| EIRP / WiFi 2.4GHz | 2.362GHz-2.462GHz | 30dBm (1W) | EMI4681 | PASS |
| EIRP / WiFi 5GHz | 5.155GHz-5.205GHz | 30dBm (1W) | EMI4686 | PASS |

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

| TEST EQUIPMENT USED | | | | | |
|---------------------|-----------------------|-----------|------------|------------|------------|
| CATEGORY | BRAND | TYPE | IDENTIFIER | CAL. DATE | CAL. DUE |
| AC power source | KIKUSUI | PCR2000L | 0800 | 24/07/2019 | 24/09/2021 |
| Antenna | ETS-Lindgren | 3117 | 5456 | 24/07/2019 | 24/09/2022 |
| Antenna | Rohde & Schwarz | HL223 | 3126 | 28/06/2018 | 28/02/2022 |
| Attenuator | EMITECH | SUB.V2-H | 14495 | 13/01/2021 | 13/03/2022 |
| Attenuator | EMITECH | SUB.V2-V | 14496 | 13/01/2021 | 13/03/2022 |
| Cable | MegaPhase | F135N1N28 | 16666 | 25/10/2019 | 25/12/2021 |
| Cable | cables and connectors | N-1.5m | 4201 | 27/01/2021 | 27/03/2023 |
| Cable | cables and connectors | N-1.5m | 4203 | 27/01/2021 | 27/03/2023 |
| Cable | SUCOFLEX | N-3m | 14378 | 25/06/2019 | 25/02/2022 |
| Cable | SUCOFLEX | N-3m | 14379 | 25/06/2019 | 25/02/2022 |
| Cable | SUCOFLEX | N-5,5m | 14381 | 25/06/2019 | 25/02/2022 |
| Cable | Huber + Suhner | SF102K | 16042 | 24/03/2021 | 24/05/2023 |
| Multimeter | FLUKE | 8808A | 12446 | 29/09/2020 | 29/11/2021 |

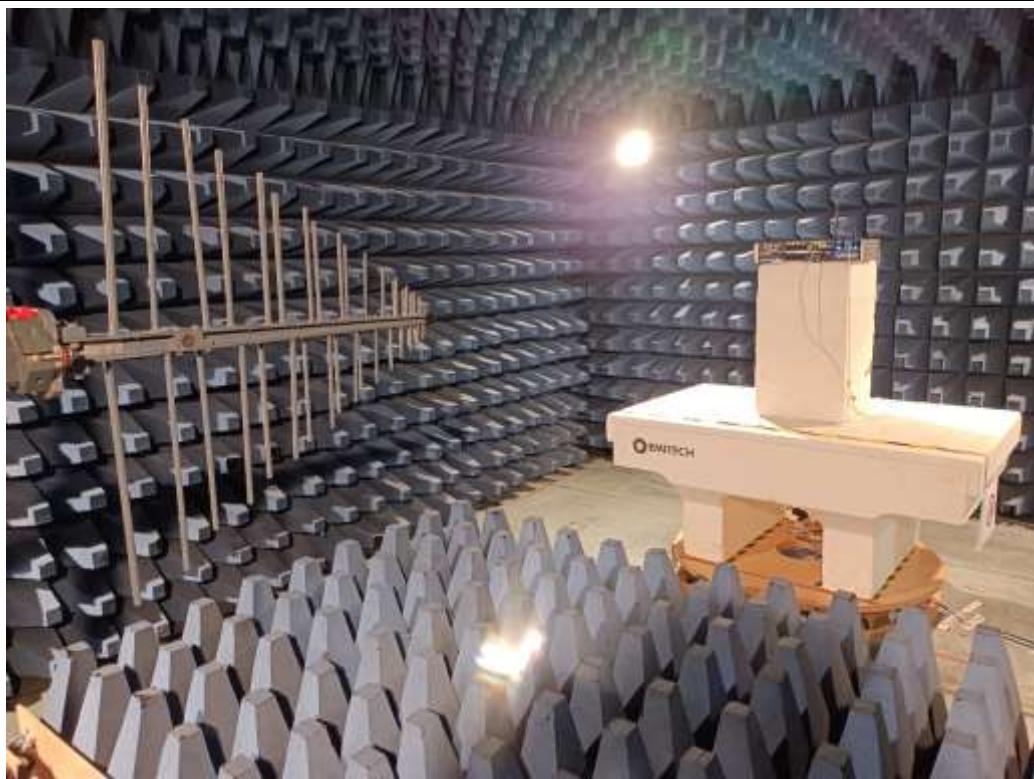
| CATEGORY | BRAND | TYPE | IDENTIFIER | CAL. DATE | CAL. DUE |
|--------------------|---------------------|-----------|------------|------------|------------|
| Receiver | Rohde & Schwarz | FSW43 | 14830 | 29/07/2020 | 29/09/2021 |
| Shielded enclosure | RAY PROOF | C.V2 | 1423 | 04/10/2019 | 04/12/2022 |
| Software | Nexio | BAT EMC | 0000 | | |
| Thermohygrometer | Testo | 608-H2 | 12268 | 07/05/2020 | 07/07/2022 |
| Thermohygrometer | Bioblock Scientific | Météostar | 0963 | 07/06/2021 | 07/08/2023 |

BAT-EMC software version: V3.18.0.26

Blank cells = Permanent validity

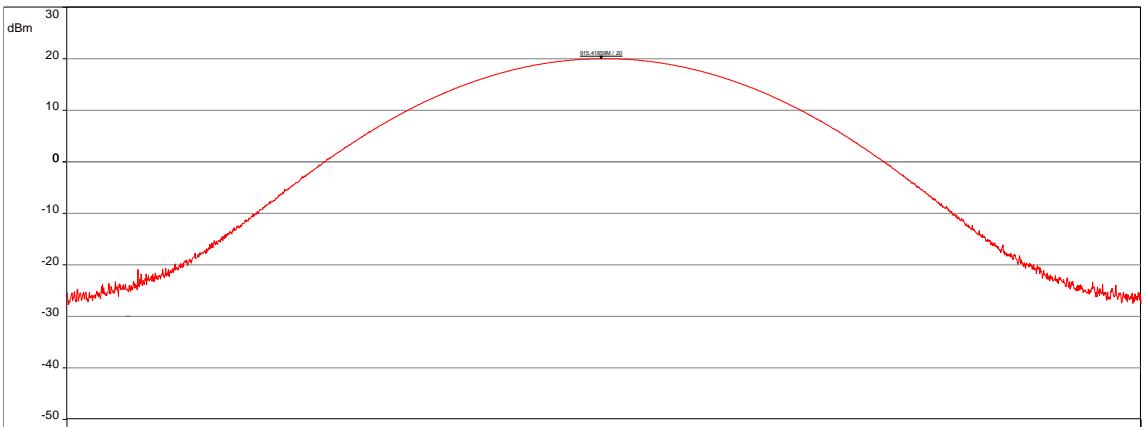
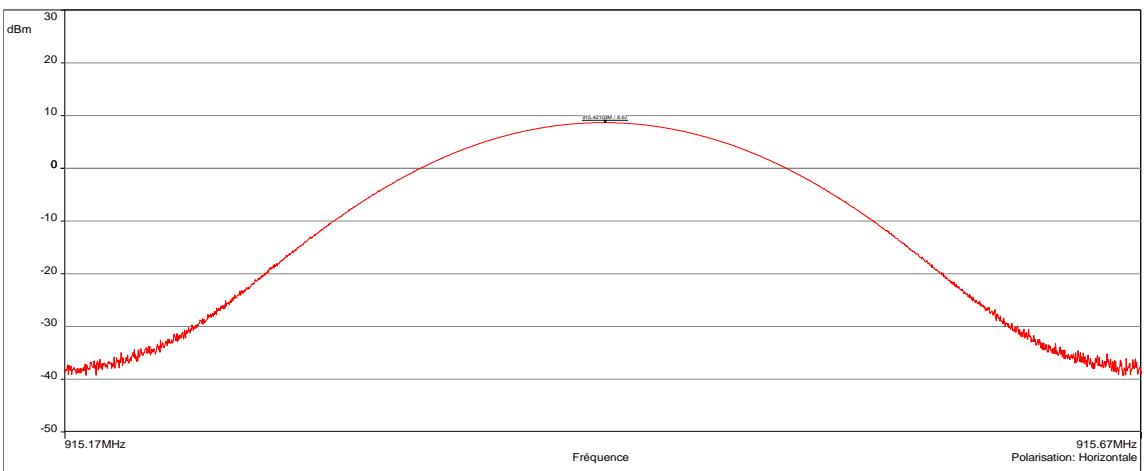
TEST SETUP PHOTO(S) – EUT POSITION

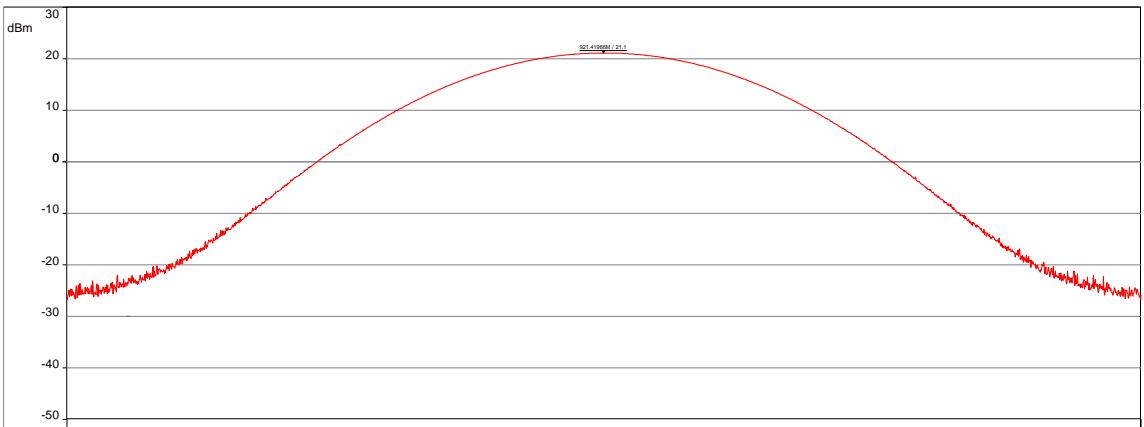
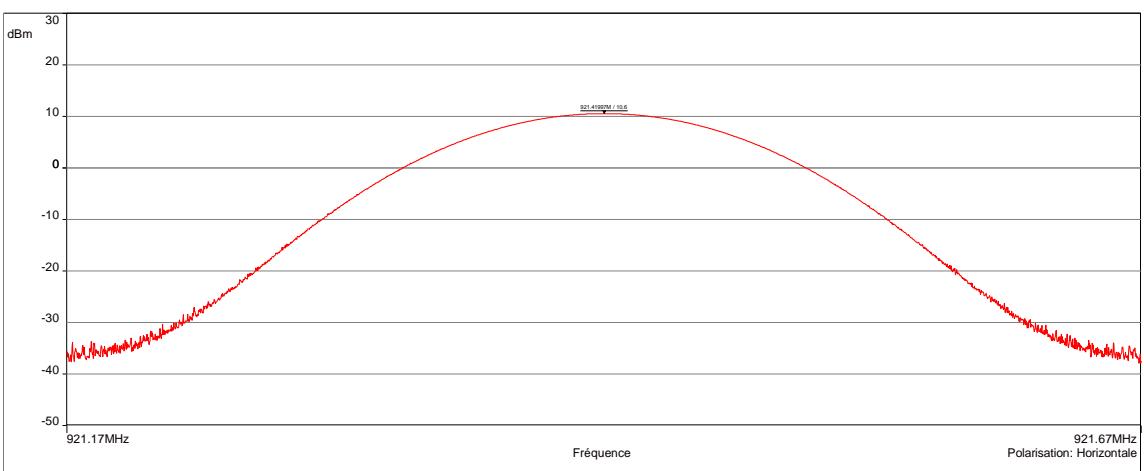

TEST SETUP PHOTO(S) – FOR FREQ < 1GHz

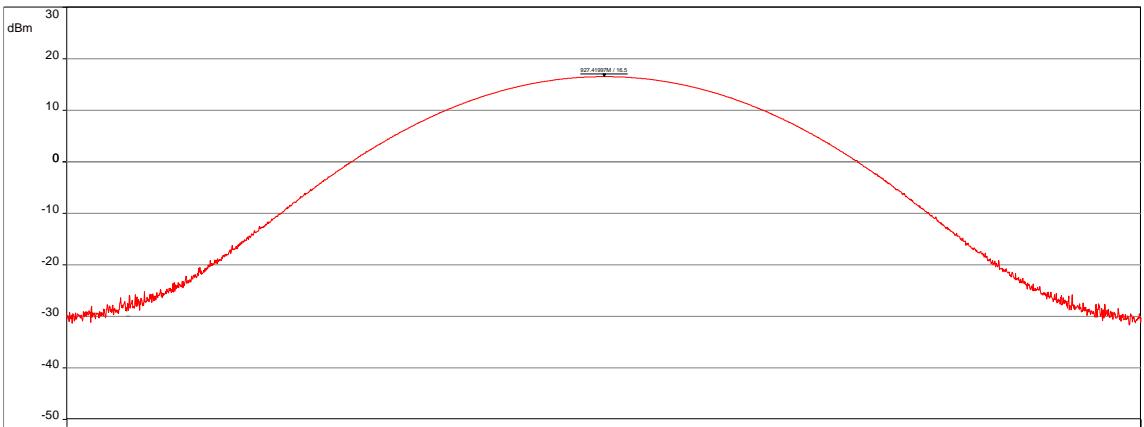
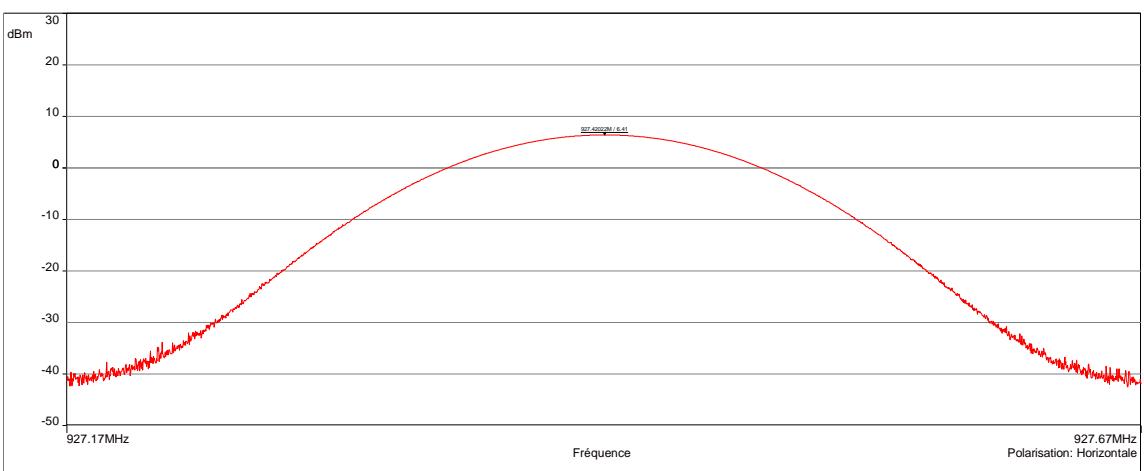


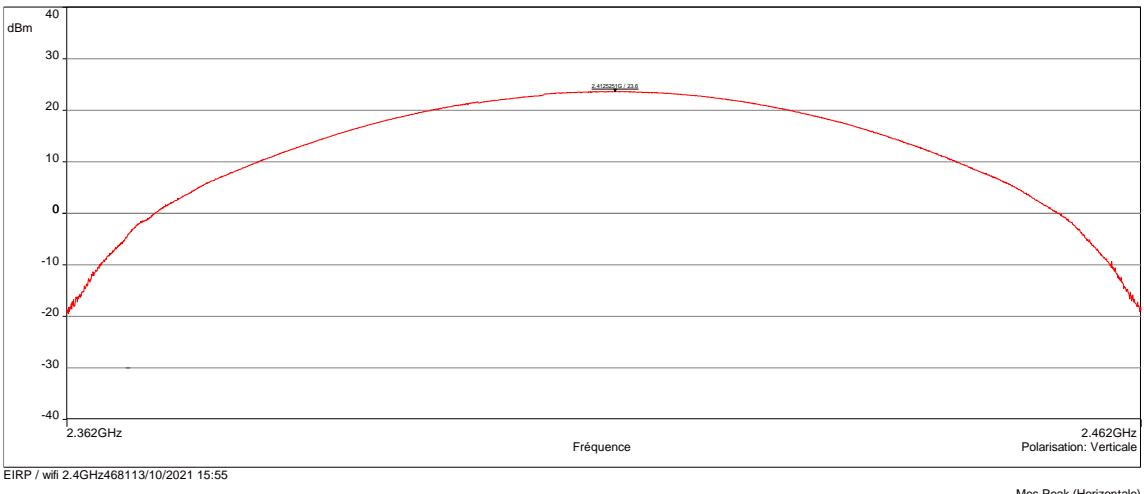
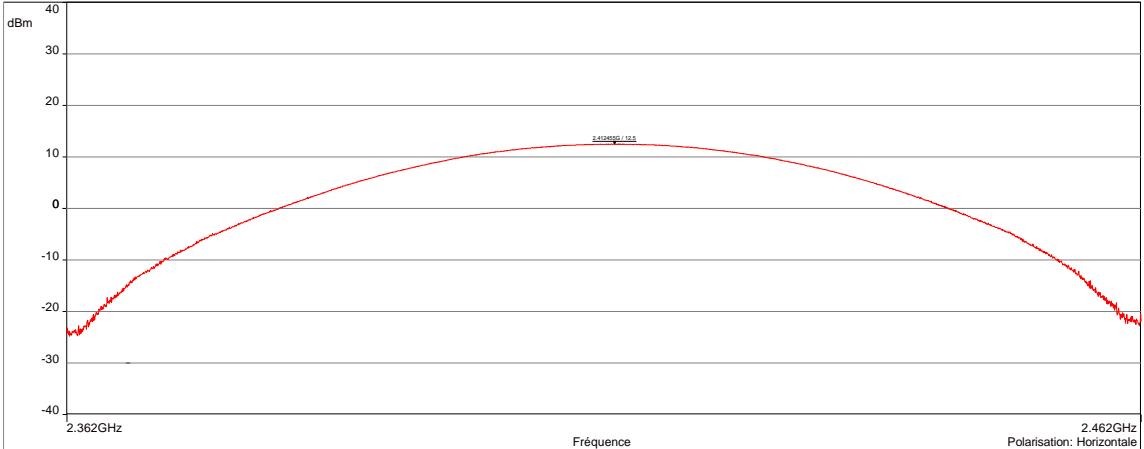
TEST SETUP PHOTO(S) – FOR FREQ > 1GHz

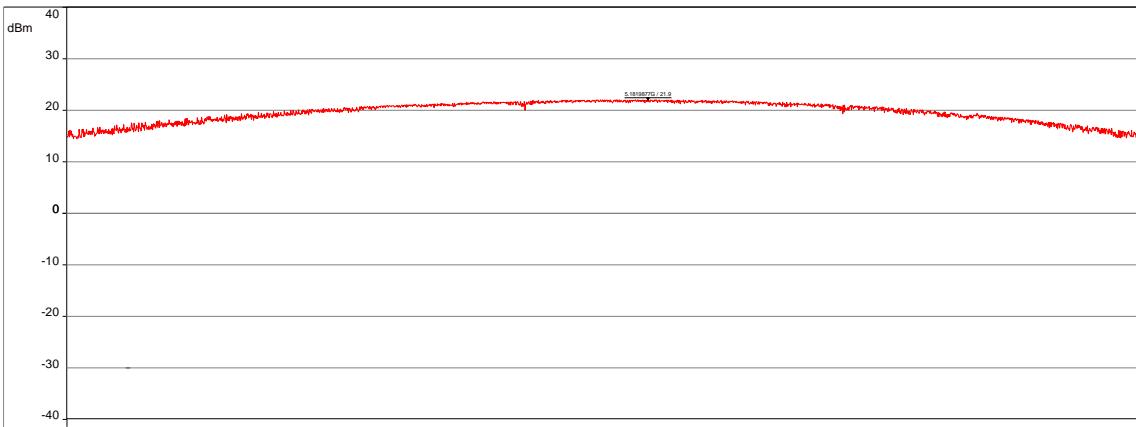
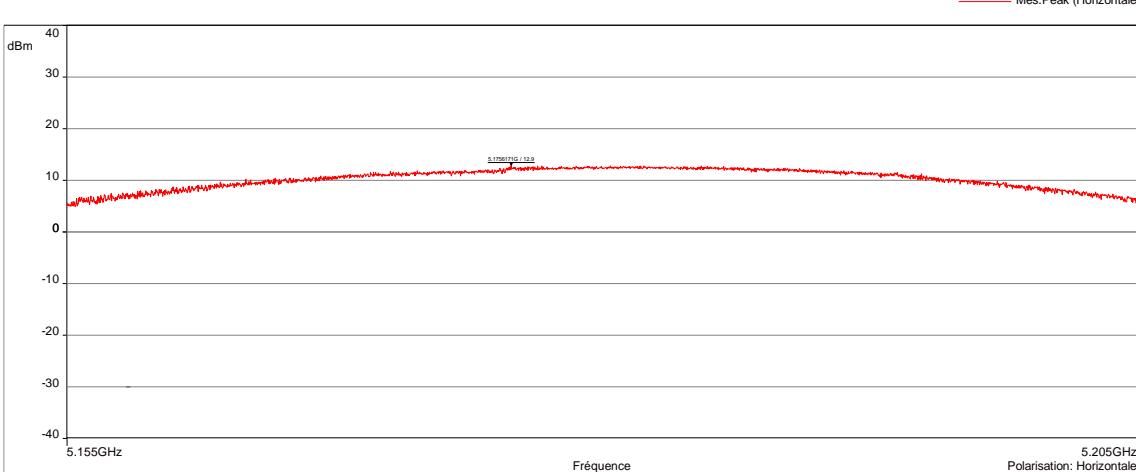


| EFFECTIVE RADIATED POWER - GRAPH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------------------|-------------|-----------------|----------|----------|-------------|-----|-----|----------|----------|---------------------|--------|--------|------|------------|---------------------|--------|--------|------|-----------------------|-----|--|--|--|------------------|-----|--|--|--|-----------------|--------------|-------------|-------------|---------|----------|------|------|---------|------------|------|------|
| EIRP / SRD Low CHANNEL | | | | EMI4546 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EUT mode: | Continuous unmodulated Tx mode | | T (°C): | 21.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Date: | 30/08/2021 | | H (%): | 45.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Operator: | OAT | | P (hPa): | 1010 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  <p>Legend: Mes.Pk (Verticale)</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  <p>Legend: Mes.Pk (Horizontale)</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>EIRP / 915.42MHz 454630/08/2021 11:47</p> <p>Fréquence</p> <p>915.17MHz 915.67MHz</p> <p>Polarisation: Verticale</p> <p>915.17MHz 915.67MHz</p> <p>Polarisation: Horizontale</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>*</p> <table border="1"> <thead> <tr> <th>POSITION</th> <th>FREQUENCIES</th> <th>RBW</th> <th>VBW</th> <th>DETECTOR</th> </tr> </thead> <tbody> <tr> <td>Vertical</td> <td>915.17MHz-915.67MHz</td> <td>100kHz</td> <td>300kHz</td> <td>Peak</td> </tr> <tr> <td>Horizontal</td> <td>915.17MHz-915.67MHz</td> <td>100kHz</td> <td>300kHz</td> <td>Peak</td> </tr> <tr> <td>Configuration:</td> <td colspan="4">N/A</td></tr> <tr> <td>Comments:</td> <td colspan="4">N/A</td></tr> </tbody> </table> <p>EUT modification(s): N/A</p> <table border="1"> <thead> <tr> <th>Frequency (MHz)</th> <th>Polarization</th> <th>Level (dBm)</th> <th>Limit (dBm)</th> </tr> </thead> <tbody> <tr> <td>915.420</td> <td>Vertical</td> <td>20.0</td> <td>30.0</td> </tr> <tr> <td>915.420</td> <td>Horizontal</td> <td>8.67</td> <td>30.0</td> </tr> </tbody> </table> | | | | | POSITION | FREQUENCIES | RBW | VBW | DETECTOR | Vertical | 915.17MHz-915.67MHz | 100kHz | 300kHz | Peak | Horizontal | 915.17MHz-915.67MHz | 100kHz | 300kHz | Peak | Configuration: | N/A | | | | Comments: | N/A | | | | Frequency (MHz) | Polarization | Level (dBm) | Limit (dBm) | 915.420 | Vertical | 20.0 | 30.0 | 915.420 | Horizontal | 8.67 | 30.0 |
| POSITION | FREQUENCIES | RBW | VBW | DETECTOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vertical | 915.17MHz-915.67MHz | 100kHz | 300kHz | Peak | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Horizontal | 915.17MHz-915.67MHz | 100kHz | 300kHz | Peak | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Configuration: | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Comments: | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Frequency (MHz) | Polarization | Level (dBm) | Limit (dBm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 915.420 | Vertical | 20.0 | 30.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 915.420 | Horizontal | 8.67 | 30.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| EFFECTIVE RADIATED POWER - GRAPH | | | | |
|---|--------------------------------|-----------------|-------------|------|
| EIRP / SRD MID CHANNEL | | | EMI4547 | |
| EUT mode: | Continuous unmodulated Tx mode | T (°C): | 21.8 | |
| Test Date: | 30/08/2021 | H (%): | 45.0 | |
| Test Operator: | OAT | P (hPa): | 1010 | |
|  <p>Legend: Mes.Pack (Verticale)</p> <p>Y-axis: dBm (from -50 to 30) X-axis: Fréquence (from 921.17MHz to 921.67MHz)</p> <p>Annotation: 921.42MHz / 21.1</p> | | | | |
|  <p>Legend: Mes.Pack (Horizontale)</p> <p>Y-axis: dBm (from -50 to 30) X-axis: Fréquence (from 921.17MHz to 921.67MHz)</p> <p>Annotation: 921.42MHz / 10.6</p> | | | | |
| POSITION | FREQUENCIES | RBW | VBW | |
| Vertical | 921.17MHz-921.67MHz | 100kHz | 300kHz | Peak |
| Horizontal | 921.17MHz-921.67MHz | 100kHz | 300kHz | Peak |
| Configuration: | N/A | | | |
| Comments: | N/A | | | |
| EUT modification(s): N/A | | | | |
| Frequency (MHz) | Polarization | Level (dBm) | Limit (dBm) | |
| 921.420 | Vertical | 21.1 | 30.0 | |
| 921.420 | Horizontal | 10.6 | 30.0 | |

| EFFECTIVE RADIATED POWER - GRAPH | | | | | | |
|--|--------------------------------|-------------|-----------------|-------------|--|--|
| EIRP / SRD HIGH CHANNEL | | | EMI4548 | | | |
| EUT mode: | Continuous unmodulated Tx mode | | T (°C): | 21.8 | | |
| Test Date: | 30/08/2021 | | H (%): | 45.0 | | |
| Test Operator: | OAT | | P (hPa): | 1010 | | |
|  <p>Legend: Mes.Pack (Verticale)</p> <p>927.17MHz 927.67MHz</p> <p>Fréquence Polarisation: Verticale</p> <p>EIRP / 927.42MHz 4548 30/08/2021 12:05</p> <p>— Mes.Pack (Horizontale)</p> | | | | | | |
|  <p>927.17MHz 927.67MHz</p> <p>Fréquence Polarisation: Horizontale</p> <p>EIRP / 927.42MHz 4548 30/08/2021 12:05</p> <p>— Mes.Pack (Horizontale)</p> | | | | | | |
| POSITION | FREQUENCIES | RBW | VBW | DETECTOR | | |
| Vertical | 927.17MHz-927.67MHz | 100kHz | 300kHz | Peak | | |
| Horizontal | 927.17MHz-927.67MHz | 100kHz | 300kHz | Peak | | |
| Configuration: | N/A | | | | | |
| Comments: | N/A | | | | | |
| EUT modification(s): N/A | | | | | | |
| Frequency (MHz) | Polarization | Level (dBm) | | Limit (dBm) | | |
| 927.420 | Vertical | 16.50 | | 30.0 | | |
| 927.420 | Horizontal | 6.41 | | 30.0 | | |

| EFFECTIVE RADIATED POWER - GRAPH | | | | | | |
|--|--------------------|-------------|-----------------|-----------------|--|--|
| EIRP / WIFI 2.4GHz | | | | EMI4681 | | |
| EUT mode: | Modulated Tx mode | | T (°C): | 21.6 | | |
| Test Date: | 10/09/2021 | | H (%): | 52.7 | | |
| Test Operator: | OAT | | P (hPa): | 1009 | | |
|  <p>Legend: Mes.Pack (Verticale) (Red line), Mes.Pack (Horizontale) (Blue line)</p> <p>Y-axis: dBm (from -40 to 40) X-axis: Fréquence (GHz) (from 2.362 to 2.462)</p> <p>Annotations: 2.412000 / 0.05, 2.462GHz</p> | | | | | | |
|  <p>Legend: Mes.Pack (Verticale) (Red line), Mes.Pack (Horizontale) (Blue line)</p> <p>Y-axis: dBm (from -40 to 40) X-axis: Fréquence (GHz) (from 2.362 to 2.462)</p> <p>Annotations: 2.412000 / 0.05, 2.462GHz</p> <p>Text: EIRP / wifi 2.4GHz468113/10/2021 15:55</p> | | | | | | |
| POSITION | FREQUENCIES | RBW | VBW | DETECTOR | | |
| Vertical | 2.362GHz-2.462GHz | 30MHz | 30MHz | Peak | | |
| Horizontal | 2.362GHz-2.462GHz | 30MHz | 30MHz | Peak | | |
| Configuration: | N/A | | | | | |
| Comments: | N/A | | | | | |
| EUT modification(s): N/A | | | | | | |
| Frequency (MHz) | Polarization | Level (dBm) | | Limit (dBm) | | |
| 2412.000 | Vertical | 23.6 | | 30.0 | | |
| 2412.000 | Horizontal | 12.5 | | 30.0 | | |

| EFFECTIVE RADIATED POWER - GRAPH | | | | | | |
|---|-------------------|-------------|-----------------|-------------|--|--|
| EIRP / WIFI 5GHz | | | | EMI4686 | | |
| EUT mode: | Modulated Tx mode | | T (°C): | 21.6 | | |
| Test Date: | 10/09/2021 | | H (%): | 52.7 | | |
| Test Operator: | OAT | | P (hPa): | 1009 | | |
|  <p>Legend: Mes.Pk (Verticale)</p> | | | | | | |
|  <p>Legend: Mes.Pk (Horizontale)</p> | | | | | | |
| POSITION | FREQUENCIES | RBW | VBW | DETECTOR | | |
| Vertical | 5.155GHz-5.205GHz | 30MHz | 30MHz | Peak | | |
| Horizontal | 5.155GHz-5.205GHz | 30MHz | 30MHz | Peak | | |
| Configuration: | N/A | | | | | |
| Comments: | N/A | | | | | |
| EUT modification(s): N/A | | | | | | |
| Frequency (MHz) | Polarization | Level (dBm) | | Limit (dBm) | | |
| 5180.000 | Vertical | 21.9 | | 30.0 | | |
| 5180.000 | Horizontal | 12.9 | | 30.0 | | |

●●● End of test report ●●●