

## TEST REPORT

### Nr. R24078601

#### Federal Communication Commission (FCC)

|                                                                                                                                                                                                            |                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Report Reference No.</b> .....                                                                                                                                                                          | R24078601                                                                                                                                                                                  |
| Date of issue: .....                                                                                                                                                                                       | 12.09.2024                                                                                                                                                                                 |
| Total number pages: .....                                                                                                                                                                                  | 73                                                                                                                                                                                         |
| <b>Customer name</b> .....                                                                                                                                                                                 | Elca S.r.l.                                                                                                                                                                                |
| Address .....                                                                                                                                                                                              | Via del Commercio, 7/B – 36065 Mussolente (VI) – Italy                                                                                                                                     |
| <b>Test specification:</b>                                                                                                                                                                                 |                                                                                                                                                                                            |
| Standard(s) .....                                                                                                                                                                                          | FCC Rules & Regulations, Title 47:2023<br>Part 15 paragraph(s): 203, 204, 205, 207, 209, 215 and 249                                                                                       |
| Non-standard test method .....                                                                                                                                                                             | N/A                                                                                                                                                                                        |
| <b>Test Report Form No.</b> .....                                                                                                                                                                          | 15-249_DEKRA                                                                                                                                                                               |
| Test Report Form(s) Originator ...                                                                                                                                                                         | DEKRA Testing and Certification S.r.l.                                                                                                                                                     |
| Master TRF .....                                                                                                                                                                                           | 2024-09                                                                                                                                                                                    |
| <b>General disclaimer:</b>                                                                                                                                                                                 |                                                                                                                                                                                            |
| The test results presented in this report relate only to the object tested.<br>This report shall not be reproduced, except in full, without the written approval of DEKRA Testing and Certification S.r.l. |                                                                                                                                                                                            |
| <b>(*) Test item description</b> .....                                                                                                                                                                     | Receiving unit AR MAGO-FLEXI.A-915: component fixed stably to the Machine (base station) that constitutes an interface between the Radio Remote Control and the other parts of the machine |
| (*) Trademark .....                                                                                                                                                                                        | Elca                                                                                                                                                                                       |
| (*) Manufacturer .....                                                                                                                                                                                     | Elca S.r.l.                                                                                                                                                                                |
| (*) Model / Type reference .....                                                                                                                                                                           | AR MAGO-FLEXI.A-915                                                                                                                                                                        |
| (*) FCC ID .....                                                                                                                                                                                           | 2ABS7-ARMAFLA915                                                                                                                                                                           |
| (*) Rating(s) .....                                                                                                                                                                                        | 48/55/120/230 V ~ 50/60 Hz single-phase                                                                                                                                                    |
| <b>Report</b>                                                                                                                                                                                              |                                                                                                                                                                                            |
| Tested by (name + signature) .....                                                                                                                                                                         | C. Panozzo                                                                                                                                                                                 |
| Approved by (name + signature) .....                                                                                                                                                                       | F. Marenda                                                                                                                                                                                 |

(\*) information provided by the customer

## 1 Summary

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|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>2 Reference standard(s)</b>                                                                                                                     |                                                                                                                                                                  |
| FCC Rules and Regulation Title 47 part 15:2023                                                                                                     | --                                                                                                                                                               |
| ANSI C63.4:2014                                                                                                                                    | American National Standard for Methods of Measuring of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz – 40 GHz |
| ANSI C63.10:2013                                                                                                                                   | American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices                                                                   |
| <b>3 List of attachments</b>                                                                                                                       |                                                                                                                                                                  |
| Attachment 1: Measurement uncertainty, judgement of compliance and quality manual references                                                       |                                                                                                                                                                  |
| <b>4 Deviation(s) from test specification</b>                                                                                                      |                                                                                                                                                                  |
| None                                                                                                                                               |                                                                                                                                                                  |
| <b>5 Testing location</b>                                                                                                                          |                                                                                                                                                                  |
| DEKRA Testing and Certification S.r.l.<br>Via della Fisica, 20 – 36016 Thiene (VI) – Italy<br>Test site facility's FCC registration number: 182474 |                                                                                                                                                                  |

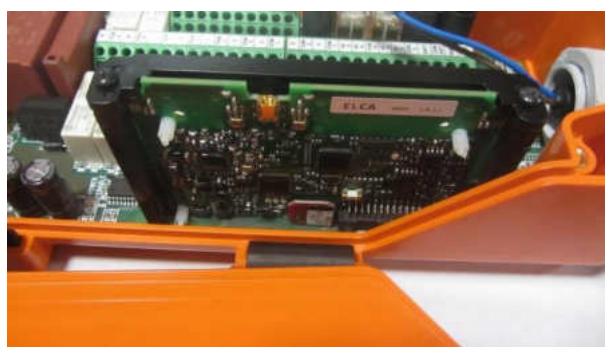
| <b>Revision index</b> | <b>Date</b> | <b>Change history</b> |
|-----------------------|-------------|-----------------------|
| 1.0                   | 12.09.2024  | --                    |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Testing and sampling:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                         |
| Date of receipt of test item .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 07.05.2024                                                                                                                                              |
| Testing start date .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 02.09.2024                                                                                                                                              |
| Testing end date .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 09.09.2024                                                                                                                                              |
| Sampling procedure .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Sample used for testing chosen by the customer; DEKRA Testing and Certification S.r.l. cannot be considered responsible for the selection of the sample |
| Internal identification .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Adhesive label with the product number P240438                                                                                                          |
| <b>General remarks:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                         |
| <p>This report shall not be reproduced, except in full, without the written approval of DEKRA Testing and Certification S.r.l.</p> <p>The test results presented in this report relate only to the object tested.</p> <p>“(see appended table)”: refers to a table appended to the report.</p> <p>Throughout this report a comma is used as the decimal separator.</p> <p>Tests reported in this test report marked by wording: “Test not accredited by ACCREDIA” are not part of the ACCREDIA accreditation of this laboratory.</p> |                                                                                                                                                         |
| <b>Possible test case verdicts:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                         |
| Test case does not apply to the test object:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | N/A (Not Applicable)                                                                                                                                    |
| Test object meets the requirement:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | P (Pass)                                                                                                                                                |
| Test object does not meet the requirement:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | F (Fail)                                                                                                                                                |
| Test object was not evaluated for the requirement:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | N/E (Not Executed)                                                                                                                                      |
| <b>Definition of symbols used in this test report:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                         |
| <input checked="" type="checkbox"/> Indicates that the listed condition, standard or equipment is applicable for this report.<br><input type="checkbox"/> Indicates that the listed condition, standard or equipment is not applicable for this report.                                                                                                                                                                                                                                                                              |                                                                                                                                                         |

## 6 General description of tested item and testing condition(s)

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                 |                                              |                                     |                          |                          |                          |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|----------------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|
| Description .....                   | Receiving unit AR MAGO-FLEXI.A-915: component fixed stably to the Machine (base station) that constitutes an interface between the Radio Remote Control and the other parts of the machine                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                 |                                              |                                     |                          |                          |                          |
| Model Number .....                  | AR MAGO-FLEXI.A-915                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                 |                                              |                                     |                          |                          |                          |
| FCC ID .....                        | 2ABS7-ARMAFLA915                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                 |                                              |                                     |                          |                          |                          |
| Serial Number .....                 | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                 |                                              |                                     |                          |                          |                          |
| Brand name .....                    | Elca                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                 |                                              |                                     |                          |                          |                          |
| Frequency band .....                | 902 – 928 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                 |                                              |                                     |                          |                          |                          |
| Nominal frequencies .....           | FL: 915,050 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                 | FM: 921,050 MHz                              |                                     | FH: 927,750 MHz          |                          |                          |
| Test power supply .....             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Voltage and Frequency                           | Reference poles                              |                                     |                          |                          |                          |
|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                 | N                                            | L1                                  | L2                       | L3                       | PE                       |
|                                     | <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | AC: 120 V, 60 Hz                                | <input checked="" type="checkbox"/>          | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                     | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | AC:                                             | <input type="checkbox"/>                     | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                     | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | DC:                                             |                                              |                                     |                          |                          | <input type="checkbox"/> |
| Software release .....              | WM32EL 1.0.I.I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                 |                                              |                                     |                          |                          |                          |
| Type of equipment .....             | <input checked="" type="checkbox"/> Transmitter unit<br><input checked="" type="checkbox"/> Receiver unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                 |                                              |                                     |                          |                          |                          |
| Type of station .....               | <input type="checkbox"/> Portable station<br><input checked="" type="checkbox"/> Mobile station                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                 |                                              |                                     |                          |                          |                          |
| Test arrangements of EUT .....      | <i>Intended operational arrangement(s) of EUT</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 | <i>Test arrangement (see basic standard)</i> |                                     |                          |                          |                          |
|                                     | <input type="checkbox"/> Table-top only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                 | Table-top                                    |                                     |                          |                          |                          |
|                                     | <input type="checkbox"/> Floor-standing only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                 | Floor-standing                               |                                     |                          |                          |                          |
|                                     | <input type="checkbox"/> Can be floor-standing or table-top                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                 | Table-top                                    |                                     |                          |                          |                          |
|                                     | <input type="checkbox"/> Rack mounted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                 | In rack or table-top                         |                                     |                          |                          |                          |
|                                     | <input checked="" type="checkbox"/> Other, for example wall mounted, ceiling mounted, handheld, body worn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                 | Table-top                                    |                                     |                          |                          |                          |
| Operating modes .....               | No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Operating mode of test item                     |                                              |                                     |                          |                          |                          |
|                                     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | EUT in continuous transmission at maximum power |                                              |                                     |                          |                          |                          |
| Declination of responsibility ..... | <p>Information relating to the description of the sample, components list, and software/hardware version (if reported) are provided by the customer. DEKRA Testing and Certification S.r.l. cannot be considered responsible for this information, for any other document sent by the customer and for any difference between the software version present in the tested sample and that present in the object intended for final sale.</p> <p>In some cases, the software in the tested sample is in a version dedicated exclusively to the test, and therefore does not represent the software installed in the final version of the product.</p> |                                                 |                                              |                                     |                          |                          |                          |

## 6.1 Photos of the test item



**7 Verdict summary section**

| FCC Rules & Regulations, Title 47:2023<br>Part 15 paragraph(s): 203, 204, 205, 207, 209, 215 and 249 |                                          |                |          |
|------------------------------------------------------------------------------------------------------|------------------------------------------|----------------|----------|
| Clause                                                                                               | Requirement – Test case                  | Basic standard | Verdict  |
| Part 15.203                                                                                          | Antenna requirements                     | ANSI C63.10    | <b>P</b> |
| Part 15.207                                                                                          | Conducted emissions                      | ANSI C63.10    | <b>P</b> |
| Part 15.209                                                                                          | Radiated emissions and spurious emission | ANSI C63.10    | <b>P</b> |
| Part 15.209 and 15.249                                                                               | Peak Output Power                        | ANSI C63.10    | <b>P</b> |
| Part 15.215                                                                                          | 20 dB Bandwidth                          | ANSI C63.10    | <b>P</b> |
| Part 15.249                                                                                          | Band edge                                | ANSI C63.10    | <b>P</b> |

## 8 Test conditions

### 8.1 General

|                                           |                                                                                                                                                                                                                                                                                                                                                                        |              |                      |                    |                              |                               |  |                   |                     |              |                      |                    |                              |                               |          |       |       |             |             |          |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------|--------------------|------------------------------|-------------------------------|--|-------------------|---------------------|--------------|----------------------|--------------------|------------------------------|-------------------------------|----------|-------|-------|-------------|-------------|----------|
| Environmental reference conditions..... : | The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment.<br>The climatic conditions during the tests were within the following limits:                                                                                                                                        |              |                      |                    |                              |                               |  |                   |                     |              |                      |                    |                              |                               |          |       |       |             |             |          |
|                                           | Temperature                                                                                                                                                                                                                                                                                                                                                            |              | Humidity             |                    | Atmospheric pressure         |                               |  |                   |                     |              |                      |                    |                              |                               |          |       |       |             |             |          |
|                                           | 15 °C – 35 °C                                                                                                                                                                                                                                                                                                                                                          |              | 30 % - 60 %          |                    | 800 hPa – 1060 hPa           |                               |  |                   |                     |              |                      |                    |                              |                               |          |       |       |             |             |          |
|                                           | If explicitly required in the basic standard or applied product standard the climatic values are recorded and documented separately in this test report.<br>Environmental conditions have been monitored with the following instrument.                                                                                                                                |              |                      |                    |                              |                               |  |                   |                     |              |                      |                    |                              |                               |          |       |       |             |             |          |
|                                           | <table><tr><td><i>Id. Number</i></td><td><i>Manufacturer</i></td><td><i>Model</i></td><td><i>Serial number</i></td><td><i>Description</i></td><td><i>Last calibration date</i></td><td><i>Calibration expiration</i></td></tr><tr><td>CMC S302</td><td>Testo</td><td>175H1</td><td>40370182610</td><td>Data Logger</td><td>May 2024</td><td>May 2025</td></tr></table> |              |                      |                    |                              |                               |  | <i>Id. Number</i> | <i>Manufacturer</i> | <i>Model</i> | <i>Serial number</i> | <i>Description</i> | <i>Last calibration date</i> | <i>Calibration expiration</i> | CMC S302 | Testo | 175H1 | 40370182610 | Data Logger | May 2024 |
| <i>Id. Number</i>                         | <i>Manufacturer</i>                                                                                                                                                                                                                                                                                                                                                    | <i>Model</i> | <i>Serial number</i> | <i>Description</i> | <i>Last calibration date</i> | <i>Calibration expiration</i> |  |                   |                     |              |                      |                    |                              |                               |          |       |       |             |             |          |
| CMC S302                                  | Testo                                                                                                                                                                                                                                                                                                                                                                  | 175H1        | 40370182610          | Data Logger        | May 2024                     | May 2025                      |  |                   |                     |              |                      |                    |                              |                               |          |       |       |             |             |          |
| Measurement uncertainties ..... :         | Attachment 1                                                                                                                                                                                                                                                                                                                                                           |              |                      |                    |                              |                               |  |                   |                     |              |                      |                    |                              |                               |          |       |       |             |             |          |

## 9 Test results

### 9.1 Antenna requirements

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Tested by .....                    | C. Panozzo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |
| Test date .....                    | 02.09.2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |
| Basic standard(s) .....            | FCC Rules and Regulation; Titles 47 Part. 15.203 and 15.204                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |
| Test specification .....           | <p>An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§ 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded</p> |                  |
| Antenna type .....                 | <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Integral antenna |
|                                    | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | External antenna |
| Antenna gain .....                 | 0 dBi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |
| External R.F. power amplifier..... | Not Present                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |

## 9.2 Conducted emission

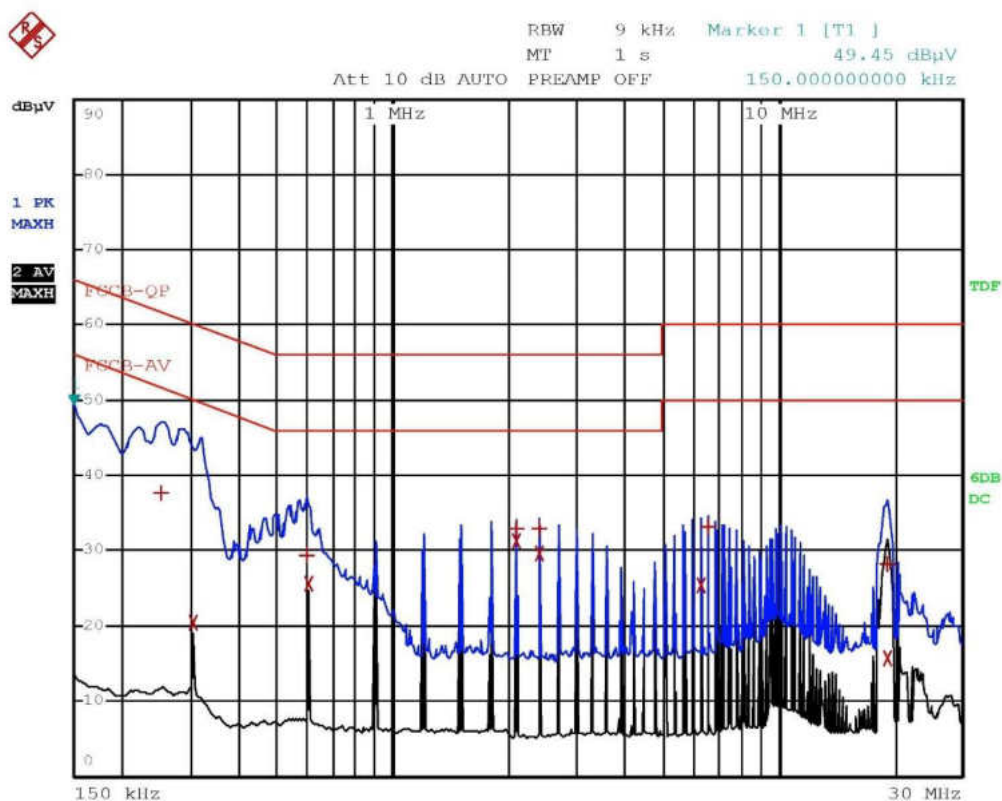
|                                             |                                                  |                                                                                                              |
|---------------------------------------------|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Tested by .....                             | C. Panozzo                                       |                                                                                                              |
| Test date .....                             | 09.09.2024                                       |                                                                                                              |
| Test location (stand).....                  | Shielded chamber (CMC A001)                      |                                                                                                              |
| Basic standard(s) .....                     | ANSI C63.10 cl. 6.2                              |                                                                                                              |
| Product standard(s).....                    | FCC Rules and Regulation; Titles 47 Part. 15.207 |                                                                                                              |
| Test set-up description .....               | <input checked="" type="checkbox"/>              | Table top equipment set-up (80 cm above the reference ground plane)                                          |
|                                             | <input type="checkbox"/>                         | Floor standing equipment set-up (insulating material up to 12 mm thick)                                      |
|                                             | <input type="checkbox"/>                         | False floor installation equipment set-up (insulating material up to 34 cm above the reference ground plane) |
| Supplementary Test set-up description ..... | --                                               |                                                                                                              |
| Test method applied.....                    | <input checked="" type="checkbox"/>              | Artificial mains network, 50 $\mu$ H/50 $\Omega$ LISN                                                        |
|                                             | <input type="checkbox"/>                         | Other:                                                                                                       |

### Acceptance limits

| Frequency range (MHz) | $dB(\mu V)$ Quasi-peak | $dB(\mu V)$ Average |
|-----------------------|------------------------|---------------------|
| 0,15 to 0,50          | 66 to 56               | 56 to 46            |
| 0,5 to 5              | 56                     | 46                  |
| 5 to 30               | 60                     | 50                  |



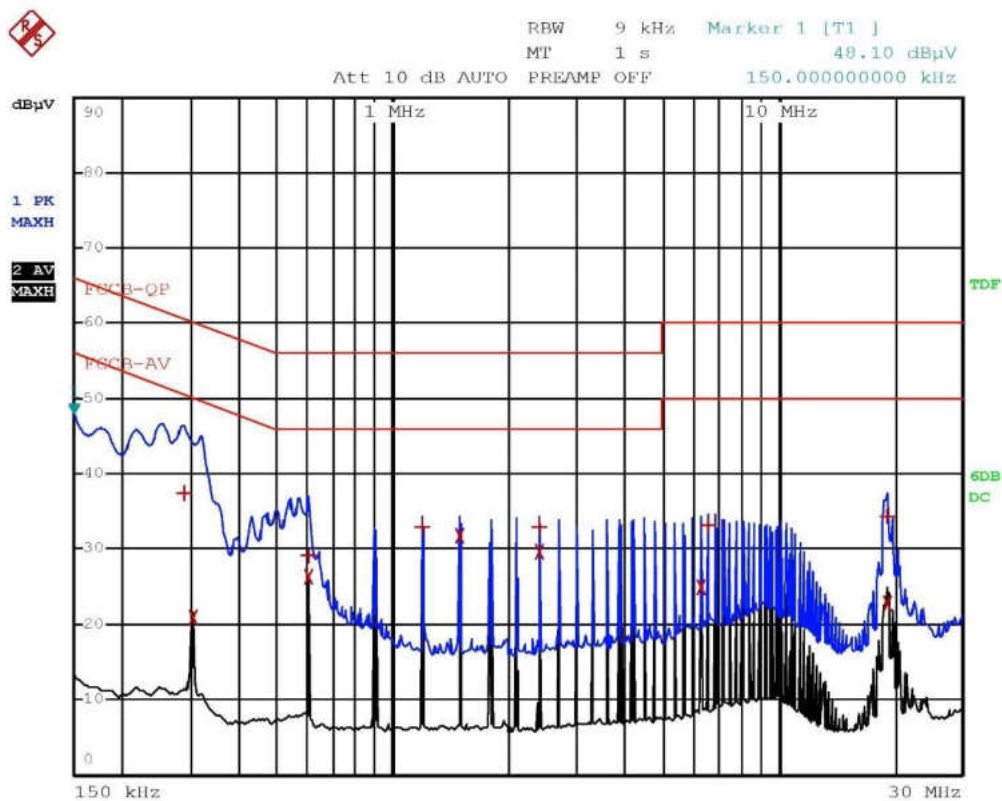
## Graphs



PAnozzo 24078643 Line N 120V In Funzione TX/RX f min

| EDIT PEAK LIST (Final Measurement Results) |           |            |                |
|--------------------------------------------|-----------|------------|----------------|
| Trace1:                                    | FCCB-QP   |            |                |
| Trace2:                                    | FCCB-AV   |            |                |
| Trace3:                                    | ---       |            |                |
| TRACE                                      | FREQUENCY | LEVEL dBμV | DELTA LIMIT dB |
| 1 Quasi Peak                               | 254 kHz   | 37.60      | -24.01         |
| 2 Average                                  | 302 kHz   | 20.36      | -29.82         |
| 1 Quasi Peak                               | 598 kHz   | 29.52      | -26.47         |
| 2 Average                                  | 602 kHz   | 25.71      | -20.28         |
| 1 Quasi Peak                               | 2.102 MHz | 33.03      | -22.96         |
| 2 Average                                  | 2.102 MHz | 31.41      | -14.58         |
| 1 Quasi Peak                               | 2.402 MHz | 33.04      | -22.95         |
| 2 Average                                  | 2.402 MHz | 29.62      | -16.37         |
| 2 Average                                  | 6.306 MHz | 25.48      | -24.51         |
| 1 Quasi Peak                               | 6.606 MHz | 33.18      | -26.81         |
| 1 Quasi Peak                               | 19.23 MHz | 28.31      | -31.68         |
| 2 Average                                  | 19.23 MHz | 15.73      | -34.26         |

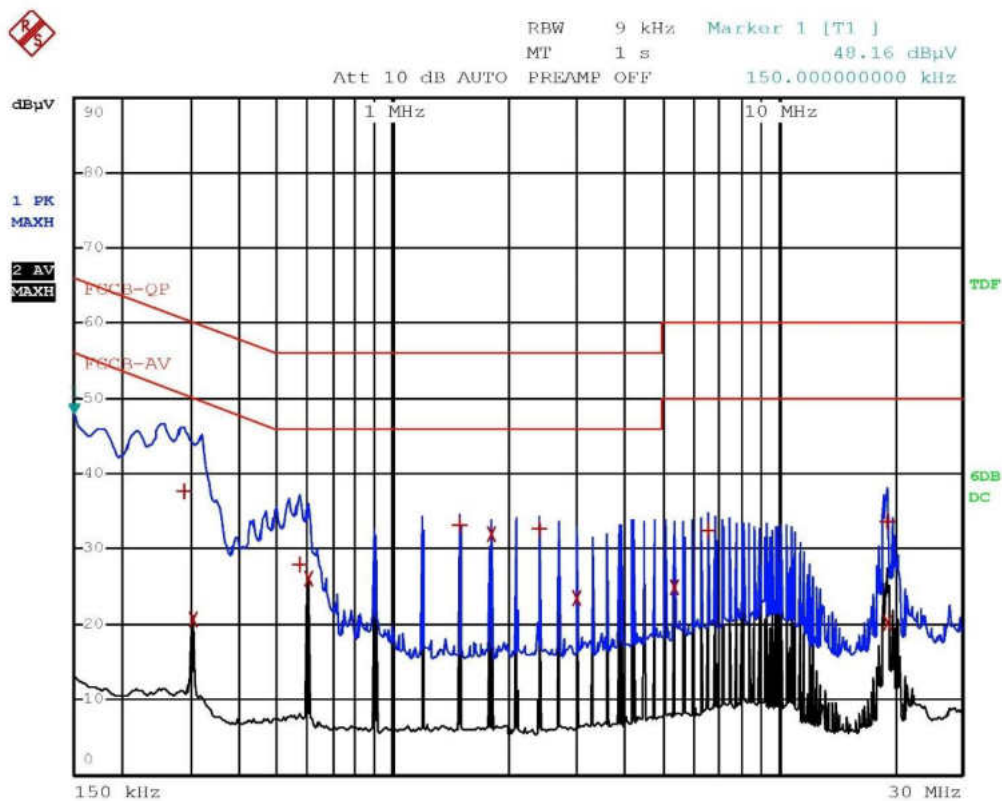
PAnozzo 24078643 Line N 120V In Funzione TX/RX f min



PAnozzo 24078644 Line L 120V In Funzione TX/RX f min

| EDIT PEAK LIST (Final Measurement Results) |            |            |                |
|--------------------------------------------|------------|------------|----------------|
| Trace1:                                    | FCCB-QP    |            |                |
| Trace2:                                    | FCCB-AV    |            |                |
| Trace3:                                    | ---        |            |                |
| TRACE                                      | FREQUENCY  | LEVEL dBμV | DELTA LIMIT dB |
| 1 Quasi Peak                               | 286 kHz    | 37.45      | -23.18         |
| 2 Average                                  | 302 kHz    | 19.89      | -30.29         |
| 1 Quasi Peak                               | 602 kHz    | 28.74      | -27.25         |
| 2 Average                                  | 602 kHz    | 25.65      | -20.34         |
| 1 Quasi Peak                               | 1.198 MHz  | 31.93      | -24.06         |
| 2 Average                                  | 1.498 MHz  | 30.58      | -15.41         |
| 1 Quasi Peak                               | 2.402 MHz  | 33.03      | -22.96         |
| 2 Average                                  | 2.402 MHz  | 31.03      | -14.96         |
| 2 Average                                  | 6.306 MHz  | 27.14      | -22.85         |
| 1 Quasi Peak                               | 6.606 MHz  | 33.20      | -26.79         |
| 2 Average                                  | 19.19 MHz  | 21.32      | -28.67         |
| 1 Quasi Peak                               | 19.214 MHz | 35.61      | -24.38         |

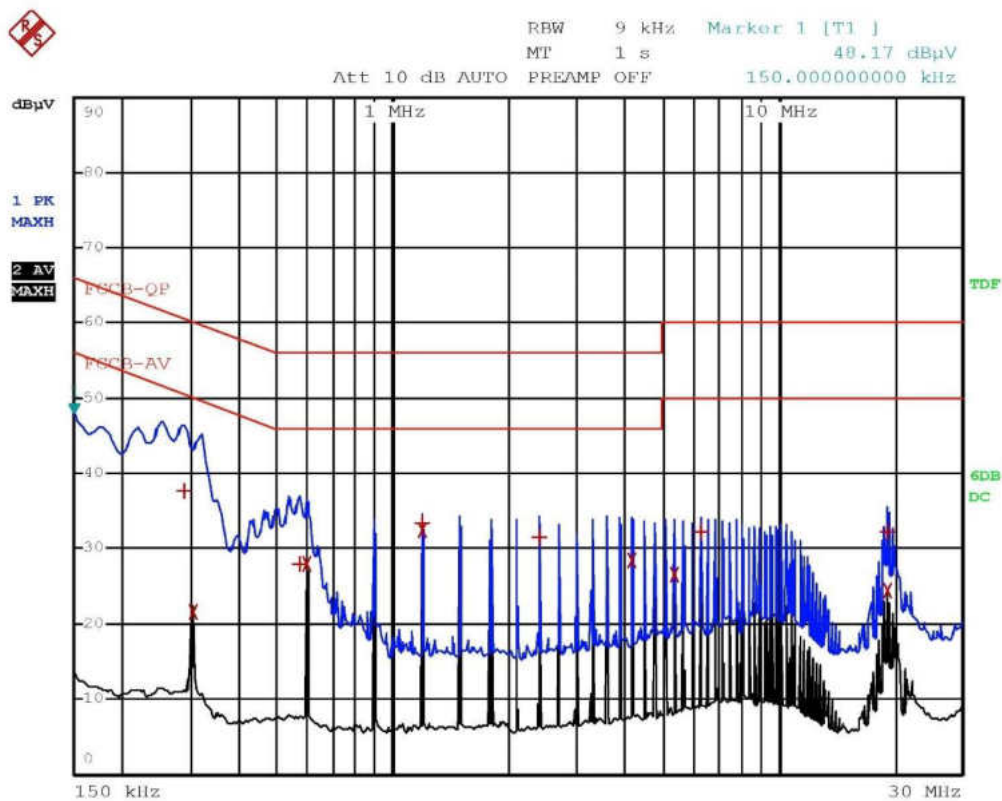
PAnozzo 24078644 Line L 120V In Funzione TX/RX f min



PAnozzo 24078645 Line L 120V In Funzione TX/RX f med

| EDIT PEAK LIST (Final Measurement Results) |            |            |                |
|--------------------------------------------|------------|------------|----------------|
| Trace1:                                    | FCCB-QP    |            |                |
| Trace2:                                    | FCCB-AV    |            |                |
| Trace3:                                    | ---        |            |                |
| TRACE                                      | FREQUENCY  | LEVEL dBμV | DELTA LIMIT dB |
| 1 Quasi Peak                               | 286 kHz    | 37.57      | -23.06         |
| 2 Average                                  | 302 kHz    | 20.76      | -29.42         |
| 1 Quasi Peak                               | 574 kHz    | 28.02      | -27.97         |
| 2 Average                                  | 602 kHz    | 26.21      | -19.78         |
| 1 Quasi Peak                               | 1.498 MHz  | 33.18      | -22.81         |
| 2 Average                                  | 1.798 MHz  | 32.07      | -13.92         |
| 1 Quasi Peak                               | 2.402 MHz  | 32.78      | -23.21         |
| 2 Average                                  | 3.002 MHz  | 23.49      | -22.50         |
| 2 Average                                  | 5.402 MHz  | 24.91      | -25.09         |
| 1 Quasi Peak                               | 6.606 MHz  | 32.55      | -27.44         |
| 1 Quasi Peak                               | 19.214 MHz | 33.55      | -26.44         |
| 2 Average                                  | 19.218 MHz | 20.23      | -29.76         |

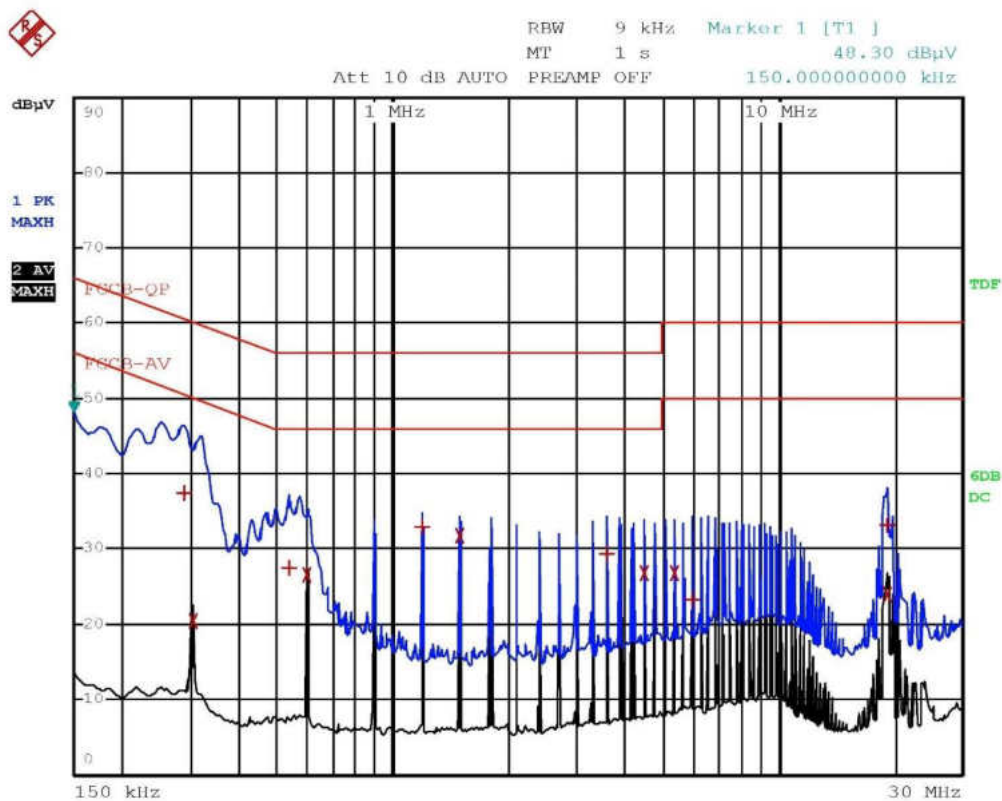
PAnozzo 24078645 Line L 120V In Funzione TX/RX f med



PAnozzo 24078646 Line N 120V In Funzione TX/RX f med

| EDIT PEAK LIST (Final Measurement Results) |            |            |                |
|--------------------------------------------|------------|------------|----------------|
| Trace1:                                    | FCCB-QP    |            |                |
| Trace2:                                    | FCCB-AV    |            |                |
| Trace3:                                    | ---        |            |                |
| TRACE                                      | FREQUENCY  | LEVEL dBμV | DELTA LIMIT dB |
| 1 Quasi Peak                               | 286 kHz    | 37.66      | -22.97         |
| 2 Average                                  | 302 kHz    | 21.65      | -28.53         |
| 1 Quasi Peak                               | 574 kHz    | 28.08      | -27.91         |
| 2 Average                                  | 598 kHz    | 28.06      | -17.93         |
| 1 Quasi Peak                               | 1.198 MHz  | 33.32      | -22.67         |
| 2 Average                                  | 1.198 MHz  | 32.44      | -13.56         |
| 1 Quasi Peak                               | 2.402 MHz  | 31.45      | -24.54         |
| 2 Average                                  | 4.194 MHz  | 28.51      | -17.48         |
| 2 Average                                  | 5.398 MHz  | 26.67      | -23.32         |
| 1 Quasi Peak                               | 6.29 MHz   | 32.29      | -27.70         |
| 1 Quasi Peak                               | 19.182 MHz | 32.20      | -27.79         |
| 2 Average                                  | 19.19 MHz  | 24.40      | -25.60         |

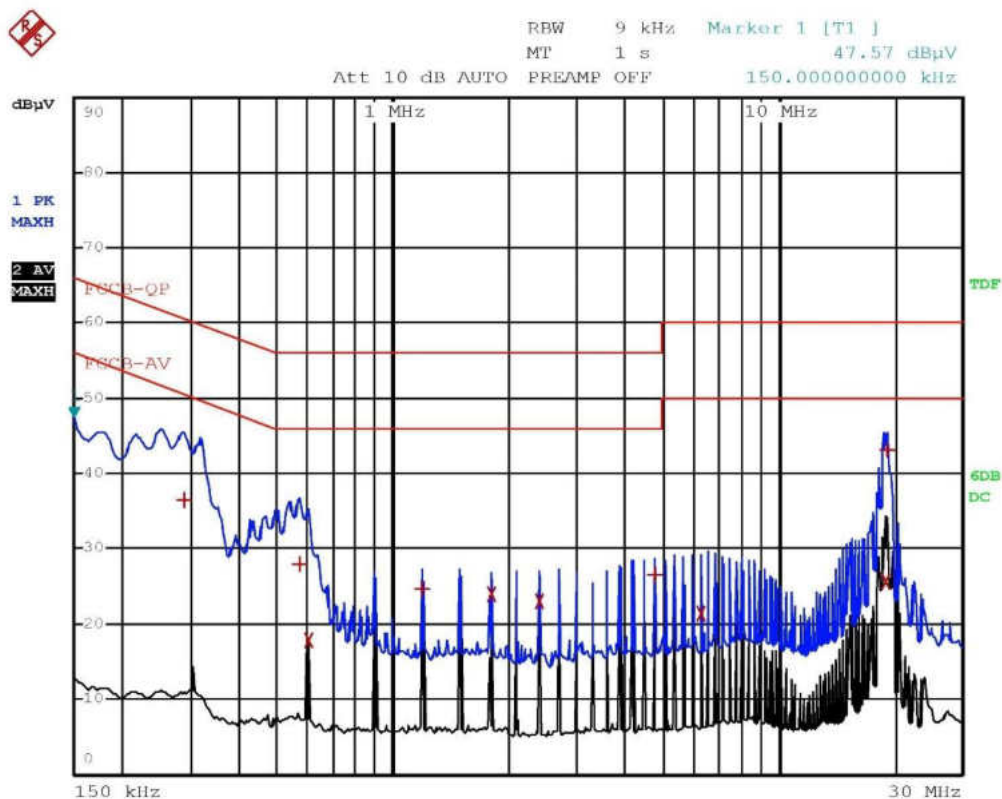
PAnozzo 24078646 Line N 120V In Funzione TX/RX f med



PAnozzo 24078647 Line N 120V In Funzione TX/RX f MAX

| EDIT PEAK LIST (Final Measurement Results) |            |            |                |  |
|--------------------------------------------|------------|------------|----------------|--|
| Trace1:                                    | FCCB-QP    |            |                |  |
| Trace2:                                    | FCCB-AV    |            |                |  |
| Trace3:                                    | ---        |            |                |  |
| TRACE                                      | FREQUENCY  | LEVEL dBμV | DELTA LIMIT dB |  |
| 1 Quasi Peak                               | 286 kHz    | 37.55      | -23.08         |  |
| 2 Average                                  | 302 kHz    | 20.36      | -29.82         |  |
| 1 Quasi Peak                               | 538 kHz    | 27.55      | -28.44         |  |
| 2 Average                                  | 598 kHz    | 26.63      | -19.36         |  |
| 1 Quasi Peak                               | 1.198 MHz  | 32.87      | -23.12         |  |
| 2 Average                                  | 1.498 MHz  | 31.78      | -14.21         |  |
| 1 Quasi Peak                               | 3.594 MHz  | 29.45      | -26.54         |  |
| 2 Average                                  | 4.498 MHz  | 26.91      | -19.08         |  |
| 2 Average                                  | 5.398 MHz  | 26.81      | -23.18         |  |
| 1 Quasi Peak                               | 5.99 MHz   | 23.22      | -36.78         |  |
| 1 Quasi Peak                               | 19.206 MHz | 33.10      | -26.90         |  |
| 2 Average                                  | 19.218 MHz | 23.95      | -26.04         |  |

PAnozzo 24078647 Line N 120V In Funzione TX/RX f MAX



PAnozzo 24078648 Line L 120V In Funzione TX/RX f MAX

| EDIT PEAK LIST (Final Measurement Results) |            |            |                |
|--------------------------------------------|------------|------------|----------------|
| Trace1:                                    | FCCB-QP    |            |                |
| Trace2:                                    | FCCB-AV    |            |                |
| Trace3:                                    | ---        |            |                |
| TRACE                                      | FREQUENCY  | LEVEL dBμV | DELTA LIMIT dB |
| 1 Quasi Peak                               | 286 kHz    | 36.48      | -24.15         |
| 1 Quasi Peak                               | 570 kHz    | 27.87      | -28.12         |
| 2 Average                                  | 602 kHz    | 17.89      | -28.10         |
| 1 Quasi Peak                               | 1.198 MHz  | 24.56      | -31.43         |
| 2 Average                                  | 1.798 MHz  | 24.07      | -21.93         |
| 2 Average                                  | 2.402 MHz  | 22.92      | -23.07         |
| 1 Quasi Peak                               | 4.798 MHz  | 26.65      | -29.34         |
| 2 Average                                  | 6.306 MHz  | 21.35      | -28.64         |
| 2 Average                                  | 18.922 MHz | 25.60      | -24.39         |
| 1 Quasi Peak                               | 19.21 MHz  | 43.04      | -16.95         |

PAnozzo 24078648 Line L 120V In Funzione TX/RX f MAX

### 9.3 Radiated emissions and spurious emission

|                                             |                                                                                                                   |                                                                                                              |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Tested by .....                             | C. Panozzo                                                                                                        |                                                                                                              |
| Test date .....                             | 02.09.2024                                                                                                        |                                                                                                              |
| Test location (stand) .....                 | Semi-anechoic chamber (CMC A070)                                                                                  |                                                                                                              |
| Basic standard(s) .....                     | ANSI C63.10 cl. 6.3, 6.4, 6.5 and 6.6                                                                             |                                                                                                              |
| Product standard(s) .....                   | FCC Rules and Regulation; Titles 47 Part. 15.209 and 15.249 (a) and (d)                                           |                                                                                                              |
| Test set-up description .....               | <input checked="" type="checkbox"/>                                                                               | Table top equipment set-up (80 cm above the reference ground plane)                                          |
|                                             | <input type="checkbox"/>                                                                                          | Floor standing equipment set-up (insulating material up to 12 mm thick)                                      |
|                                             | <input type="checkbox"/>                                                                                          | False floor installation equipment set-up (insulating material up to 34 cm above the reference ground plane) |
| Supplementary test set-up description ..... | --                                                                                                                |                                                                                                              |
| Test method applied .....                   | OATS or SAC with measurement distance [m]:<br>10 m for frequencies below 1 GHz<br>3 m for frequencies above 1 GHz |                                                                                                              |
| Supplementary information .....             | --                                                                                                                |                                                                                                              |

#### Acceptance limits

| <b>Acceptance limits for emissions in restricted frequency bands (<math>f &lt; 1000</math> MHz)</b> |                   |                               |
|-----------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Frequency range (MHz)                                                                               | Test distance (m) | Limits [dB( $\mu$ V/m)]       |
| 0,009 to 0,490                                                                                      | 300               | $20\log(2400/F(\text{kHz}))$  |
| 0,490 to 1,705                                                                                      | 30                | $20\log(24000/F(\text{kHz}))$ |
| 1,705 to 30                                                                                         | 30                | $20\log(30)$                  |
| 30 to 88                                                                                            | 3                 | $20\log(100)^{**}$            |
| 88 to 216                                                                                           | 3                 | $20\log(150)^{**}$            |
| 216 to 960                                                                                          | 3                 | $20\log(200)^{**}$            |
| Above 960                                                                                           | 3                 | $20\log(500)$                 |

**\*\*:** except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54 – 72 MHz, 76 – 88 MHz, 174 – 216 MHz or 470 – 806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.

Perimeter protection systems may operate in the 54 – 72 MHz and 76 – 88 MHz bands under the provisions of this section. The use of such perimeter protection systems is limited to industrial, business and commercial applications.

**Remarks:** the emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9 – 90 kHz and 110 – 490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector. The results have been extrapolated to the specified distance using an extrapolation factor.

| <b>Acceptance limits for emissions in restricted frequency bands (<math>f \geq 1000</math> MHz)</b> |                   |                            |                              |
|-----------------------------------------------------------------------------------------------------|-------------------|----------------------------|------------------------------|
| Frequency (MHz)                                                                                     | Test distance (m) | AV limits [dB( $\mu$ V/m)] | Peak limits [dB( $\mu$ V/m)] |
| > 1000                                                                                              | 3                 | 54                         | 74                           |

The restricted frequency bands are listed in the following table:

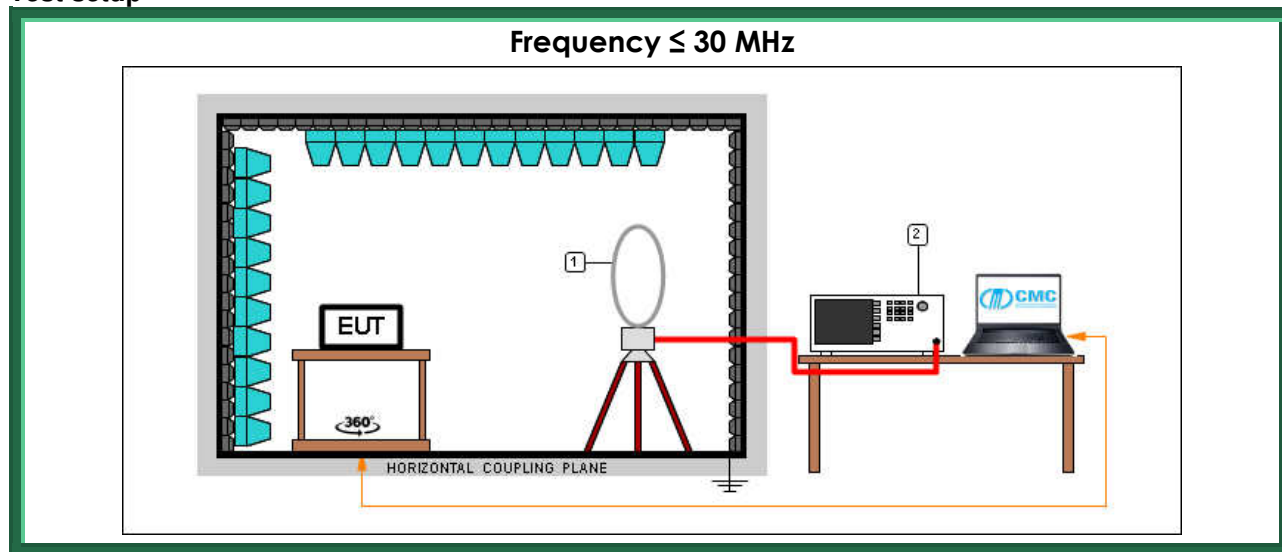
| MHz                 | MHz                   | MHz             | GHz           |
|---------------------|-----------------------|-----------------|---------------|
| 0,090 – 0,110       | 16,42 – 16,423        | 399,9 – 410     | 4,5 – 5,15    |
| 0,495 – 0,505       | 16,69475 – 16,69525   | 608 – 614       | 5,35 – 5,46   |
| 2,1735 – 2,1905     | 16,80425 – 16,80475   | 960 – 1240      | 7,25 – 7,75   |
| 4,125 – 4,128       | 25,5 – 25,67          | 1300 – 1427     | 8,025 – 8,5   |
| 4,17725 – 4,17775   | 37,5 – 38,25          | 1435 – 1626,5   | 9,0 – 9,2     |
| 4,20725 – 4,20775   | 73 – 74,6             | 1645,5 – 1646,5 | 9,3 – 9,5     |
| 6,215 – 6,218       | 74,8 – 75,2           | 1660 – 1710     | 10,6 – 12,7   |
| 6,26775 – 6,26825   | 108 – 121,94          | 1718,8 – 1722,2 | 13,25 – 13,4  |
| 6,31175 – 6,31225   | 123 – 138             | 2200 – 2300     | 14,47 – 14,5  |
| 8,291 – 8,294       | 149,9 – 150,05        | 2310 – 2390     | 15,35 – 16,2  |
| 8,362 – 8,366       | 156,52475 – 156,52525 | 2483,5 – 2500   | 17,7 – 21,4   |
| 8,37625 – 8,38675   | 156,7 – 156,9         | 2690 – 2900     | 22,01 – 23,12 |
| 8,41425 – 8,41475   | 162,0125 – 167,17     | 3260 – 3267     | 23,6 – 24,0   |
| 12,29 – 12,293      | 167,72 – 173,2        | 3332 – 3339     | 31,2 – 31,8   |
| 12,51975 – 12,52025 | 240 – 285             | 3345,8 – 3358   | 36,43 – 36,5  |
| 12,57675 – 12,57725 | 322 – 335,4           | 3600 – 4400     | Above 38,6    |
| 13,36 – 13,41       |                       |                 |               |

#### Acceptance limits for emissions in non-restricted frequency bands

Field strength of harmonics: 500  $\mu\text{V/m}$  (54 dB( $\mu\text{V/m}$ )).

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

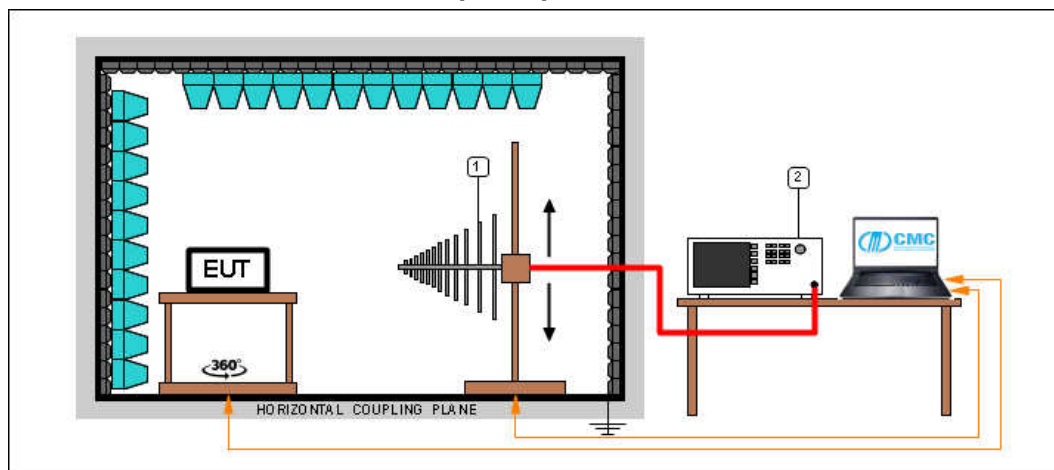
## Test setup



*Test setup PE004\_01*

| Nr. | Id. Number | Manufacturer    | Model   | Serial number   | Description                                               | Last calibration date   | Calibration expiration  |
|-----|------------|-----------------|---------|-----------------|-----------------------------------------------------------|-------------------------|-------------------------|
| 2   | CMC S353   | Rohde & Schwarz | ESW26   | 101492          | Emi Test Receiver                                         | December 2023           | December 2024           |
| 1   | CMC S127   | Schaffner       | HLA6120 | 1191            | Loop Antenna 9kHz - 30MHz                                 | May 2024                | May 2025                |
| --  | CMC A105   | Frankonia       | FC06    | FC06.1-2017-073 | Turntable & Antenna mast controller (Software V02.05.013) | No calibration required | No calibration required |

### Frequency $\leq 1$ GHz



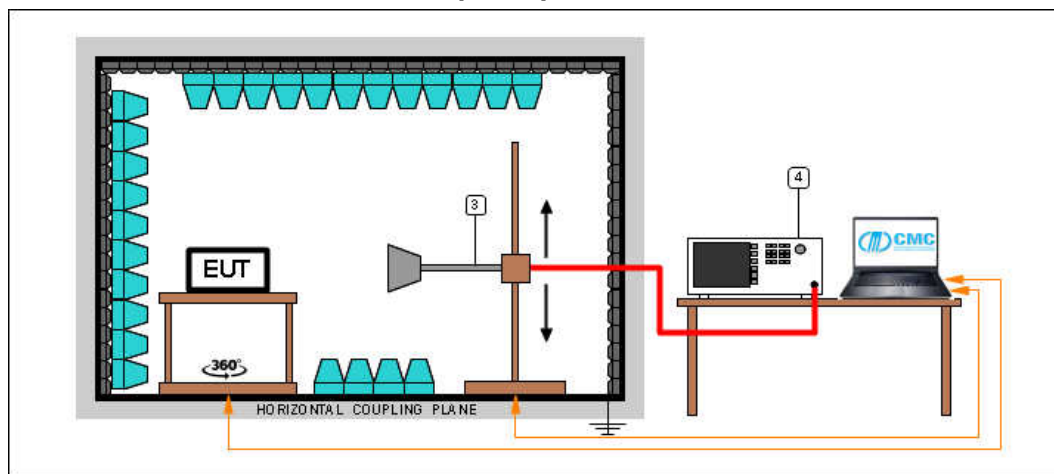
#### Test setup PE004\_02

| Nr. | Id. Number | Manufacturer    | Model                | Serial number   | Description                                               | Last calibration date   | Calibration expiration  |
|-----|------------|-----------------|----------------------|-----------------|-----------------------------------------------------------|-------------------------|-------------------------|
| 2   | CMC S353   | Rohde & Schwarz | ESW26                | 101492          | Emi Test Receiver                                         | December 2023           | December 2024           |
| 1   | CMC S271   | Schwarzbeck     | BBA 9106 + VHBB 9124 | 831             | Broadband Antenna                                         | August 2022             | August 2025             |
| --  | CMC A105   | Frankonia       | FC06                 | FC06.1-2017-073 | Turntable & Antenna mast controller (Software V02.05.013) | No calibration required | No calibration required |

#### Test setup PE004\_03

| Nr. | Id. Number | Manufacturer    | Model       | Serial number   | Description                                               | Last calibration date   | Calibration expiration  |
|-----|------------|-----------------|-------------|-----------------|-----------------------------------------------------------|-------------------------|-------------------------|
| 2   | CMC S353   | Rohde & Schwarz | ESW26       | 101492          | Emi Test Receiver                                         | December 2023           | December 2024           |
| 1   | CMC S287   | Schwarzbeck     | VUSLP 9111B | 9111B-203       | Broadband Antenna                                         | August 2022             | August 2025             |
| --  | CMC A105   | Frankonia       | FC06        | FC06.1-2017-073 | Turntable & Antenna mast controller (Software V02.05.013) | No calibration required | No calibration required |

### Frequency > 1 GHz



Test setup PE004\_04

| Nr. | Id. Number | Manufacturer    | Model | Serial number   | Description                                               | Last calibration date   | Calibration expiration  |
|-----|------------|-----------------|-------|-----------------|-----------------------------------------------------------|-------------------------|-------------------------|
| 4   | CMC S353   | Rohde & Schwarz | ESW26 | 101492          | Emi Test Receiver                                         | December 2023           | December 2024           |
| 3   | CMC S108   | Emco            | 3115  | 9811-5622       | Waveguide antenna                                         | August 2022             | August 2025             |
| --  | CMC A105   | Frankonia       | FC06  | FC06.1-2017-073 | Turntable & Antenna mast controller (Software V02.05.013) | No calibration required | No calibration required |

Test setup PE004\_05

| Nr. | Id. Number | Manufacturer    | Model     | Serial number   | Description                                               | Last calibration date   | Calibration expiration  |
|-----|------------|-----------------|-----------|-----------------|-----------------------------------------------------------|-------------------------|-------------------------|
| 4   | CMC S353   | Rohde & Schwarz | ESW26     | 101492          | Emi Test Receiver                                         | December 2023           | December 2024           |
| 3   | CMC S290   | Schwarzbeck     | BBHA 9170 | 733             | Horn Antenna                                              | October 2021            | October 2026            |
| --  | CMC A105   | Frankonia       | FC06      | FC06.1-2017-073 | Turntable & Antenna mast controller (Software V02.05.013) | No calibration required | No calibration required |

## Result

| Transmission frequency (MHz) | EUT polarization | Antenna polarization | Frequency Range (MHz) | Graphs    | Result |
|------------------------------|------------------|----------------------|-----------------------|-----------|--------|
| 927,75                       | H                | H                    | 1000 – 10000          | G24078601 | P      |
| 927,75                       | H                | V                    | 1000 – 10000          | G24078602 | P      |
| 927,75                       | V                | V                    | 1000 – 10000          | G24078603 | P      |
| 927,75                       | V                | H                    | 1000 – 10000          | G24078604 | P      |
| 921,05                       | H                | H                    | 1000 – 10000          | G24078605 | P      |
| 921,05                       | H                | V                    | 1000 – 10000          | G24078606 | P      |
| 921,05                       | V                | V                    | 1000 – 10000          | G24078607 | P      |
| 921,05                       | V                | H                    | 1000 – 10000          | G24078608 | P      |
| 915,05                       | V                | H                    | 1000 – 10000          | G24078609 | P      |
| 915,05                       | V                | V                    | 1000 – 10000          | G24078610 | P      |
| 915,05                       | H                | V                    | 1000 – 10000          | G24078611 | P      |
| 915,05                       | H                | H                    | 1000 – 10000          | G24078612 | P      |
| 915,05                       | H                | H                    | 300 – 1000            | G24078613 | P      |
| 915,05                       | H                | V                    | 300 – 1000            | G24078614 | P      |
| 915,05                       | V                | V                    | 300 – 1000            | G24078615 | P      |
| 915,05                       | V                | H                    | 300 – 1000            | G24078616 | P      |
| 921,05                       | V                | H                    | 300 – 1000            | G24078617 | P      |
| 921,05                       | V                | V                    | 300 – 1000            | G24078618 | P      |
| 921,05                       | H                | V                    | 300 – 1000            | G24078619 | P      |
| 921,05                       | H                | H                    | 300 – 1000            | G24078620 | P      |
| 927,75                       | H                | H                    | 300 – 1000            | G24078621 | P      |
| 927,75                       | H                | V                    | 300 – 1000            | G24078622 | P      |
| 927,75                       | V                | V                    | 300 – 1000            | G24078623 | P      |
| 927,75                       | V                | H                    | 300 – 1000            | G24078624 | P      |

| Transmission frequency (MHz) | EUT polarization | Antenna polarization | Frequency Range (MHz) | Graphs    | Result |
|------------------------------|------------------|----------------------|-----------------------|-----------|--------|
| Worst case                   | H                | H                    | 30 – 300              | G24078625 | P      |
| Worst case                   | H                | V                    | 30 – 300              | G24078626 | P      |
| Worst case                   | V                | V                    | 30 – 300              | G24078627 | P      |
| Worst case                   | V                | H                    | 30 – 300              | G24078628 | P      |
| Worst case                   | Worst case       | Loop                 | 0,009 – 30            | G24078629 | P      |

**Remarks:** EUT was tested in 3 orthogonal planes, graphs are related to the highest detected levels.

Measurements at frequencies lower than 30 MHz have been performed with an EUT – antenna distance of 10 m. Measured values have been corrected with conversion factor  $40\log(\text{test distance}/10)$  based on the measuring distance provided by the standard.

Measurements at frequencies higher than 30 MHz and lower than 1000 MHz have been performed with an EUT – antenna distance of 10 m. Measured values have been corrected with conversion factor  $20\log(\text{test distance}/10)$  based on the measuring distance provided by the standard.

Peaks above the limits are caused by the nominal transmitting frequencies.

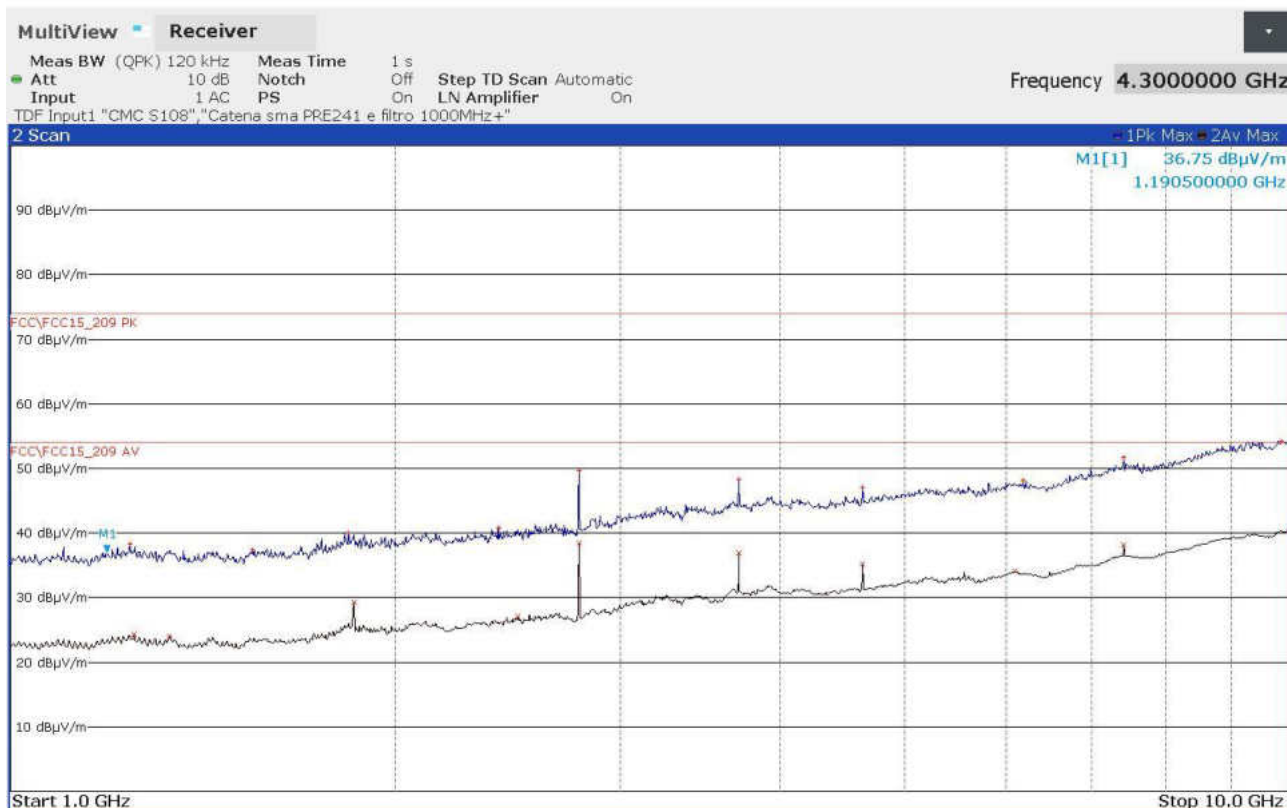
#### Graphs Legend

PK: Peak; QP [1s] (quasi-peak at 1 second) values are marked with a +

AV: Average; AV [1s] (average at 1 second) values are marked with a X

## Graphs

Panozzo 24078601

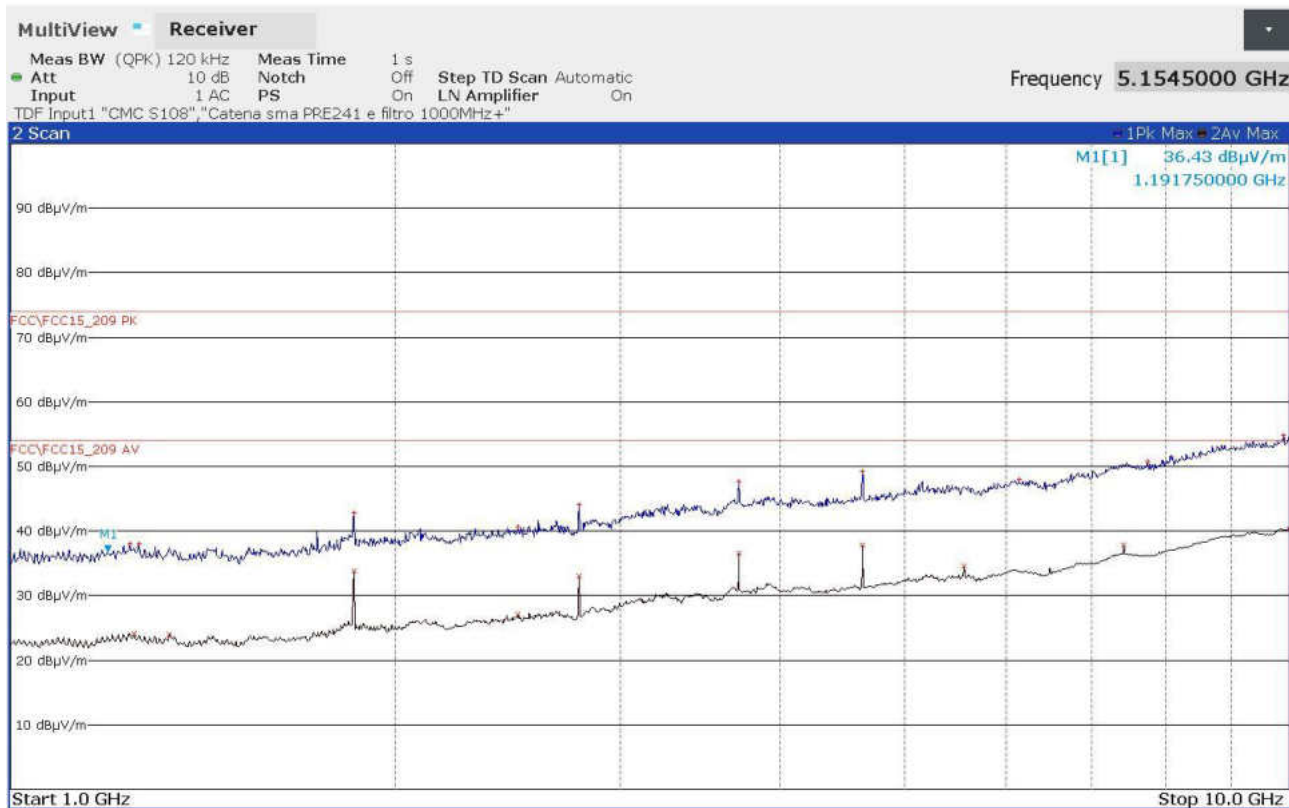


### FINAL RESULT TABLE

| MAX PEAK   |            |           | AVERAGE    |            |           |
|------------|------------|-----------|------------|------------|-----------|
| Freq Hz    | Lev dBuV/m | Margin dB | Freq Hz    | Lev dBuV/m | Margin dB |
| 1239500000 | +38,25     | -35,73    | 1248750000 | +24,24     | -29,74    |
| 1546000000 | +37,43     | -36,55    | 1332000000 | +24,01     | -29,97    |
| 1837250000 | +40,07     | -33,91    | 1855500000 | +29,34     | -24,64    |
| 2406500000 | +40,81     | -33,17    | 2494500000 | +27,15     | -26,83    |
| 2782750000 | +49,74     | -24,24    | 2783250000 | +38,41     | -15,57    |
| 3711000000 | +48,27     | -25,71    | 3711000000 | +36,98     | -17,00    |
| 4638750000 | +47,05     | -26,93    | 4638750000 | +35,19     | -18,79    |
| 6190750000 | +48,19     | -25,79    | 6099000000 | +34,04     | -19,94    |
| 7421750000 | +51,73     | -22,25    | 7422000000 | +38,12     | -15,86    |
| 9853750000 | +54,26     | -19,72    | 9994000000 | +40,42     | -13,56    |

24078601\_2

Panozzo 24078602

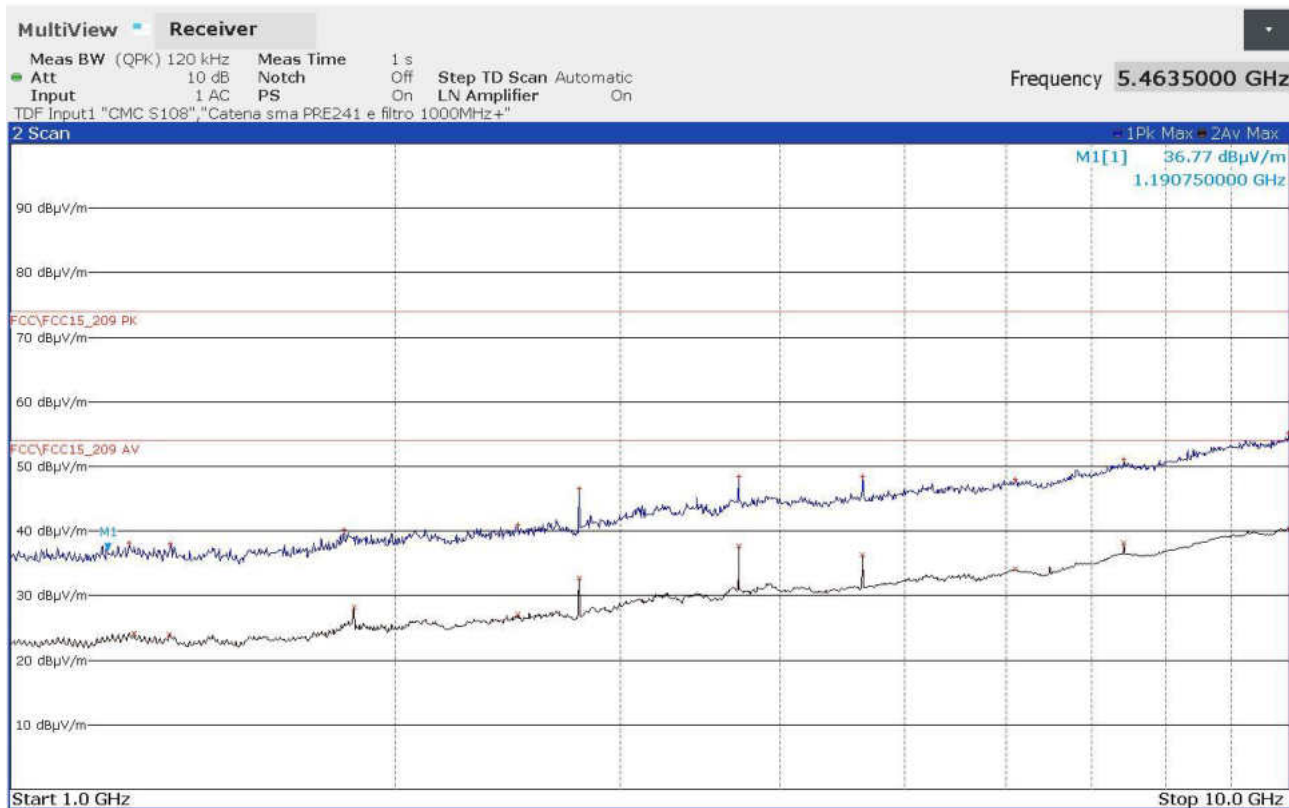


FINAL RESULT TABLE

| MAX PEAK   |            |           | AVERAGE    |            |           |
|------------|------------|-----------|------------|------------|-----------|
| Freq Hz    | Lev dBuV/m | Margin dB | Freq Hz    | Lev dBuV/m | Margin dB |
| 1239500000 | +38,02     | -35,96    | 1249250000 | +24,21     | -29,77    |
| 1259750000 | +37,99     | -35,99    | 1331750000 | +24,01     | -29,97    |
| 1855500000 | +42,87     | -31,11    | 1855500000 | +33,80     | -20,18    |
| 2492500000 | +40,69     | -33,29    | 2494500000 | +27,15     | -26,83    |
| 2782750000 | +44,07     | -29,91    | 2783250000 | +33,01     | -20,97    |
| 3711000000 | +47,70     | -26,28    | 3711000000 | +36,63     | -17,35    |
| 4638750000 | +49,28     | -24,70    | 4638750000 | +37,87     | -16,11    |
| 6151000000 | +47,90     | -26,08    | 5566500000 | +34,57     | -19,41    |
| 7745750000 | +50,80     | -23,18    | 7422000000 | +37,79     | -16,19    |
| 9896750000 | +54,87     | -19,11    | 9994000000 | +40,42     | -13,56    |

24078602\_2

Panozzo 24078603

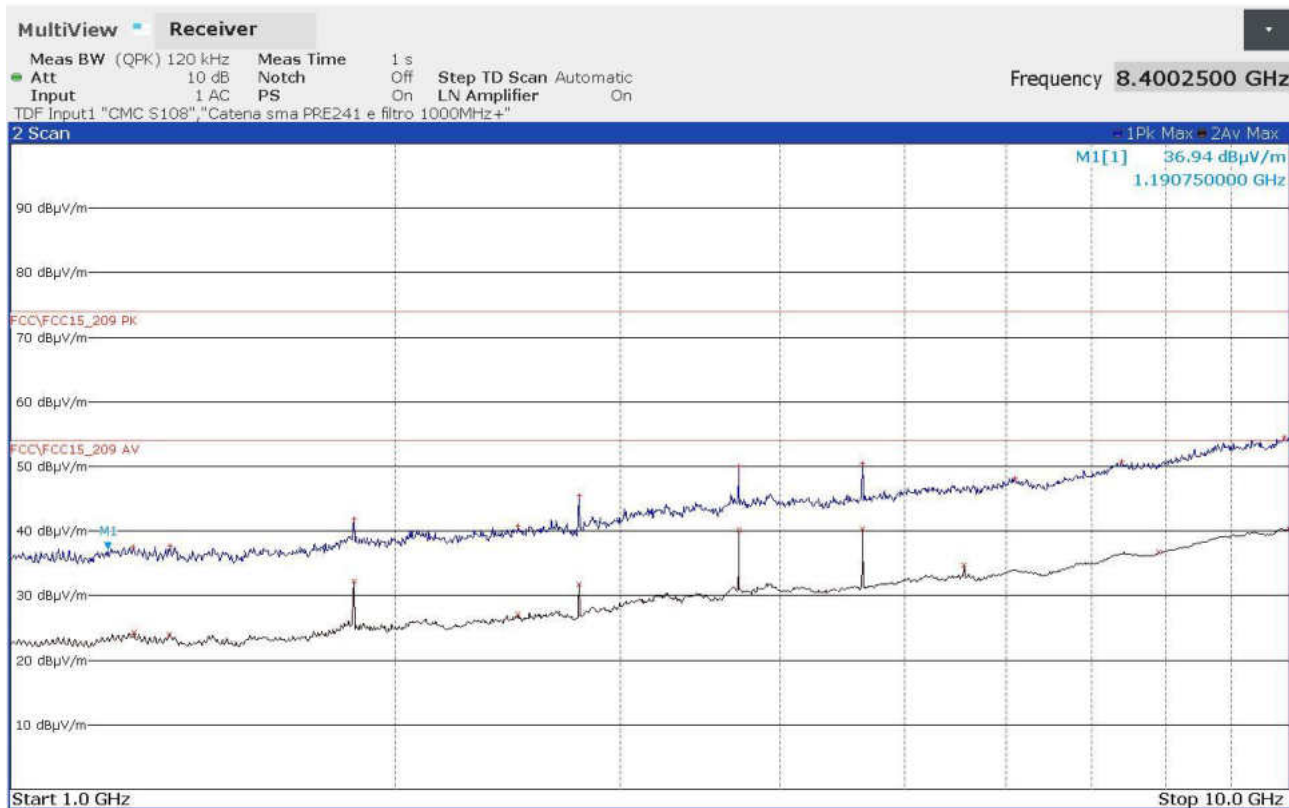


### FINAL RESULT TABLE

| MAX PEAK   |            |           | AVERAGE    |            |           |
|------------|------------|-----------|------------|------------|-----------|
| Freq Hz    | Lev dBuV/m | Margin dB | Freq Hz    | Lev dBuV/m | Margin dB |
| 1238000000 | +38,11     | -35,87    | 1249000000 | +24,22     | -29,76    |
| 1333750000 | +38,00     | -35,98    | 1331500000 | +24,04     | -29,94    |
| 1823000000 | +40,22     | -33,76    | 1855500000 | +28,15     | -25,83    |
| 2492750000 | +41,00     | -32,98    | 2494500000 | +27,16     | -26,82    |
| 2783000000 | +46,60     | -27,38    | 2783250000 | +32,67     | -21,31    |
| 3711000000 | +48,51     | -25,47    | 3711000000 | +37,73     | -16,25    |
| 4638750000 | +48,43     | -25,55    | 4638750000 | +36,30     | -17,68    |
| 6105500000 | +48,04     | -25,94    | 6099500000 | +34,04     | -19,94    |
| 7422000000 | +51,03     | -22,95    | 7422000000 | +38,22     | -15,76    |
| 9987250000 | +55,09     | -18,89    | 9994000000 | +40,41     | -13,57    |

24078603\_2

Panozzo 24078604

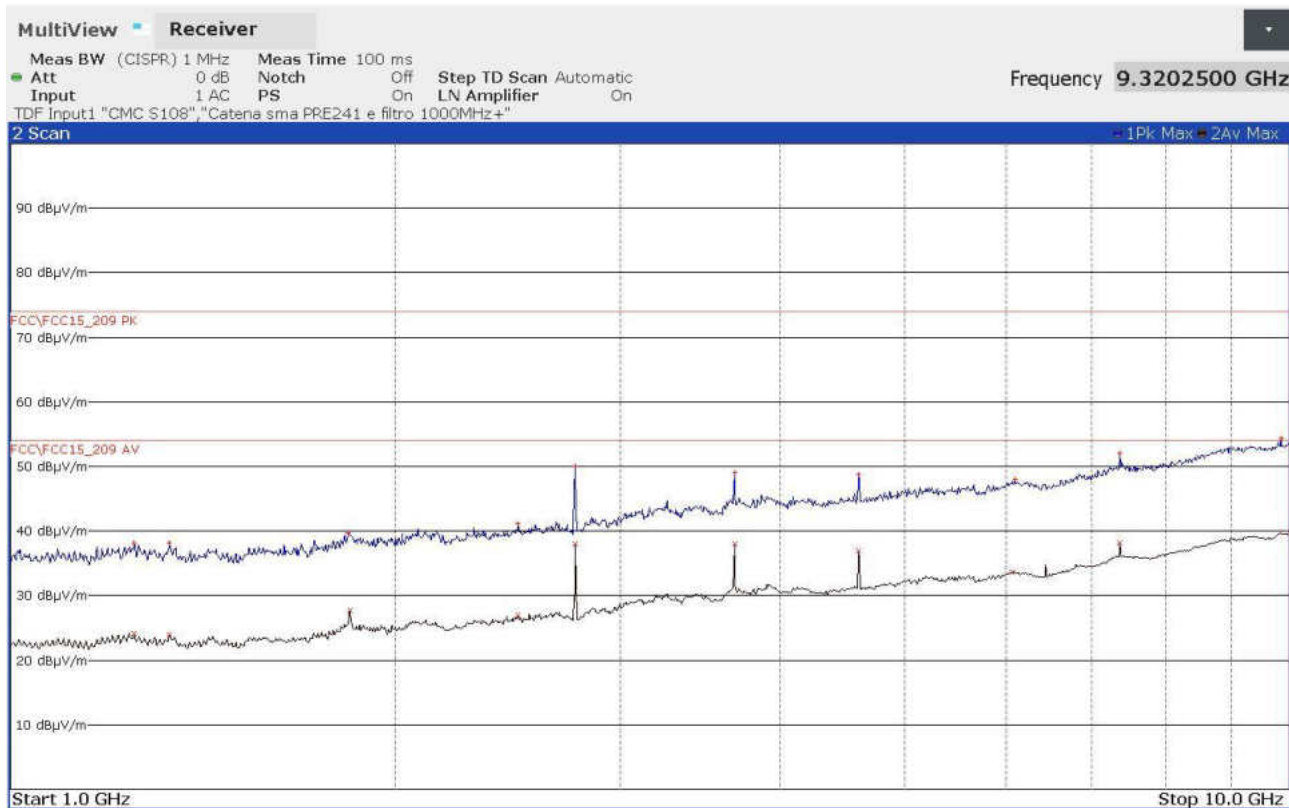


### FINAL RESULT TABLE

| MAX PEAK   |            |           | AVERAGE    |            |           |
|------------|------------|-----------|------------|------------|-----------|
| Freq Hz    | Lev dBuV/m | Margin dB | Freq Hz    | Lev dBuV/m | Margin dB |
| 1247500000 | +37,49     | -36,49    | 1249000000 | +24,23     | -29,75    |
| 1333000000 | +37,65     | -36,33    | 1332000000 | +24,00     | -29,98    |
| 1855500000 | +41,97     | -32,01    | 1855500000 | +32,20     | -21,78    |
| 2492500000 | +40,84     | -33,14    | 2494250000 | +27,14     | -26,84    |
| 2783250000 | +45,43     | -28,55    | 2783250000 | +31,79     | -22,19    |
| 3711000000 | +49,99     | -23,99    | 3711000000 | +40,15     | -13,83    |
| 4638750000 | +50,39     | -23,59    | 4638750000 | +40,38     | -13,60    |
| 6102500000 | +48,17     | -25,81    | 5566250000 | +34,69     | -19,29    |
| 7393500000 | +50,78     | -23,20    | 7900750000 | +36,73     | -17,25    |
| 9908000000 | +54,51     | -19,47    | 9993000000 | +40,42     | -13,56    |

24078604\_2

Panozzo 24078605

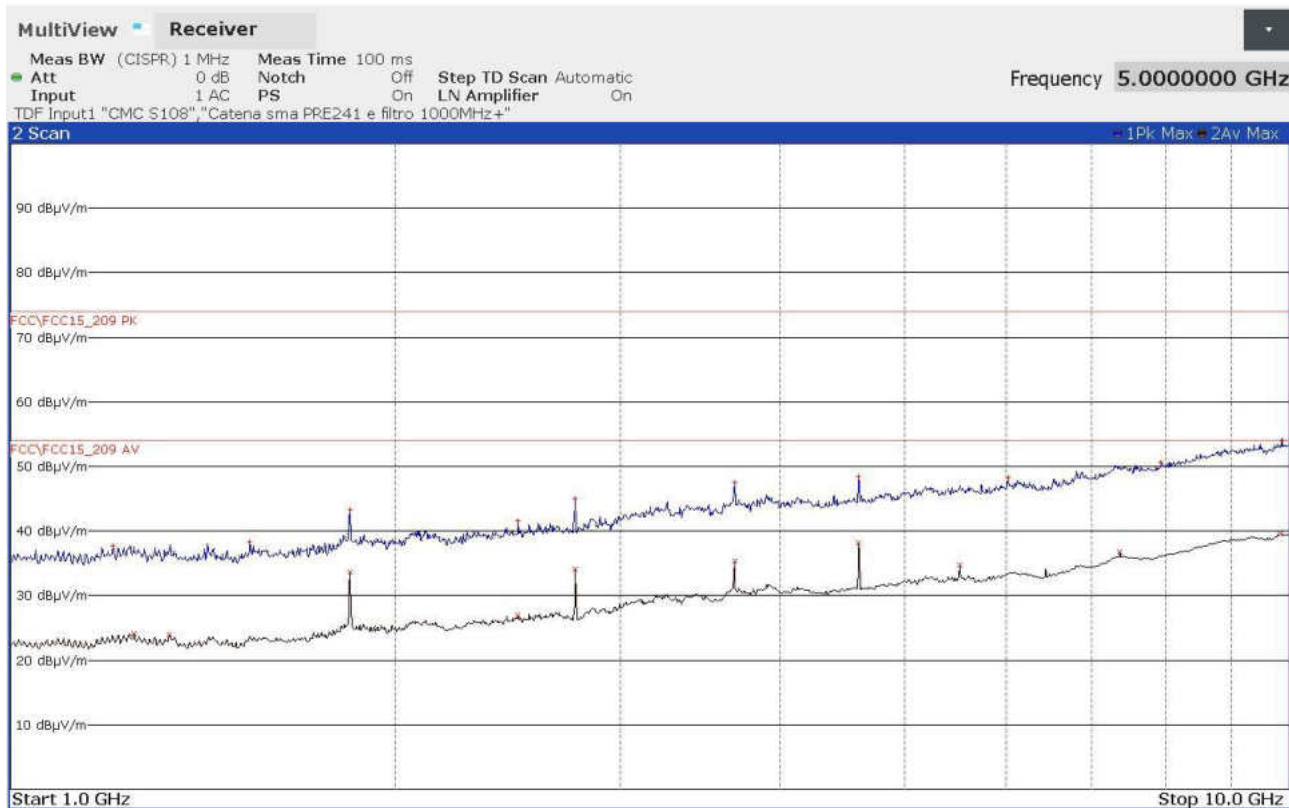


### FINAL RESULT TABLE

| MAX PEAK   |            |           | AVERAGE    |            |           |
|------------|------------|-----------|------------|------------|-----------|
| Freq Hz    | Lev dBuV/m | Margin dB | Freq Hz    | Lev dBuV/m | Margin dB |
| 1249000000 | +38,10     | -35,88    | 1249250000 | +24,12     | -29,86    |
| 1330000000 | +38,17     | -35,81    | 1331750000 | +23,96     | -30,02    |
| 1837000000 | +39,79     | -34,19    | 1842000000 | +27,79     | -26,19    |
| 2494250000 | +41,10     | -32,88    | 2494750000 | +27,00     | -26,98    |
| 2762750000 | +49,93     | -24,05    | 2763250000 | +37,99     | -15,99    |
| 3684250000 | +49,11     | -24,87    | 3684250000 | +38,00     | -15,98    |
| 4605250000 | +48,76     | -25,22    | 4605250000 | +36,92     | -17,06    |
| 6100250000 | +47,98     | -26,00    | 6070750000 | +33,71     | -20,27    |
| 7368250000 | +52,05     | -21,93    | 7368500000 | +38,13     | -15,85    |
| 9850750000 | +54,33     | -19,65    | 9994000000 | +39,70     | -14,28    |

24078605\_2

Panozzo 24078606

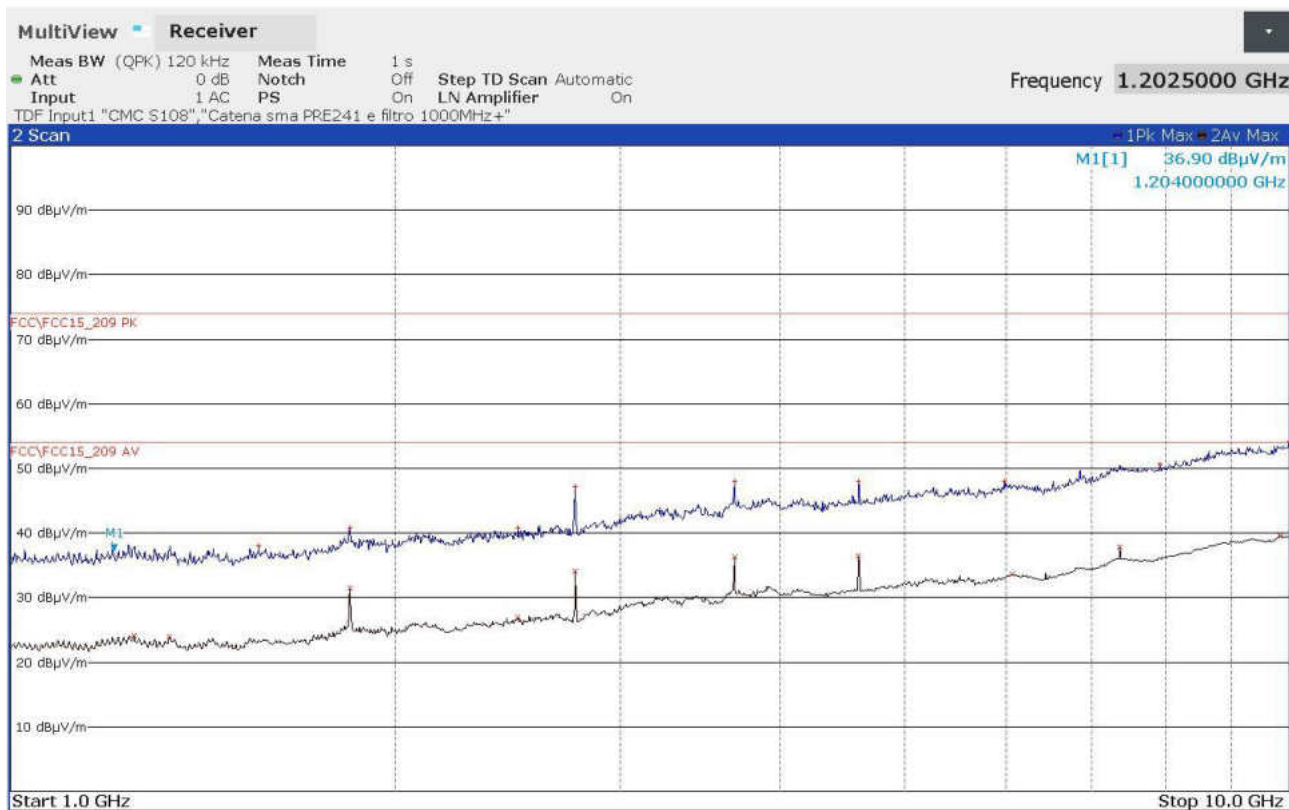


### FINAL RESULT TABLE

| MAX PEAK   |            |           | AVERAGE    |            |           |
|------------|------------|-----------|------------|------------|-----------|
| Freq Hz    | Lev dBuV/m | Margin dB | Freq Hz    | Lev dBuV/m | Margin dB |
| 1202500000 | +37,69     | -36,29    | 1249000000 | +24,11     | -29,87    |
| 1539000000 | +38,24     | -35,74    | 1331500000 | +23,98     | -30,00    |
| 1842000000 | +43,25     | -30,73    | 1842000000 | +33,70     | -20,28    |
| 2493250000 | +41,58     | -32,40    | 2494500000 | +26,98     | -27,00    |
| 2763250000 | +45,03     | -28,95    | 2763250000 | +34,07     | -19,91    |
| 3684250000 | +47,53     | -26,45    | 3684250000 | +35,38     | -18,60    |
| 4605250000 | +48,37     | -25,61    | 4605250000 | +38,15     | -15,83    |
| 6025750000 | +48,27     | -25,71    | 5526250000 | +34,69     | -19,29    |
| 7938500000 | +50,60     | -23,38    | 7368500000 | +36,69     | -17,29    |
| 9866000000 | +54,01     | -19,97    | 9830750000 | +39,59     | -14,39    |

24078606\_2

Panozzo 24078607

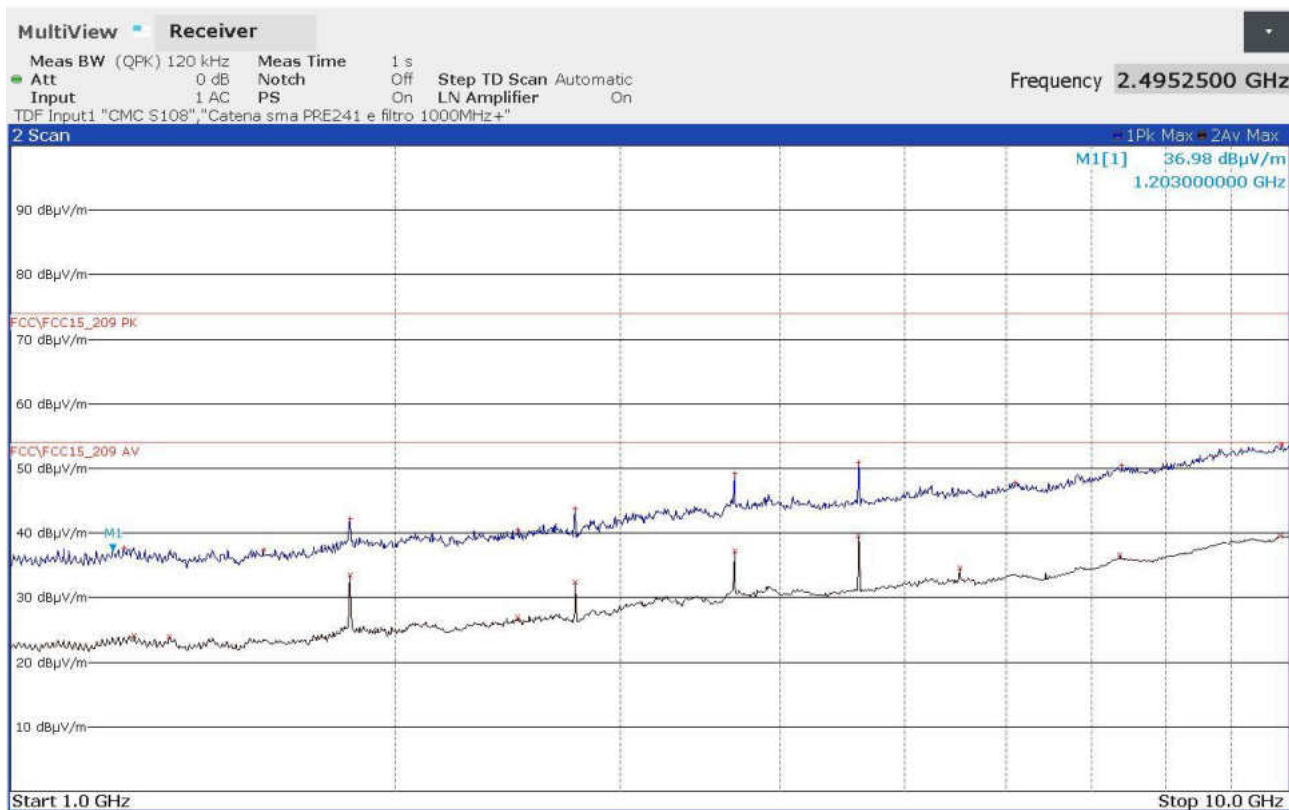


### FINAL RESULT TABLE

| MAX PEAK   |            |           | AVERAGE    |            |           |
|------------|------------|-----------|------------|------------|-----------|
| Freq Hz    | Lev dBuV/m | Margin dB | Freq Hz    | Lev dBuV/m | Margin dB |
| 1201000000 | +38,28     | -35,70    | 1249000000 | +24,12     | -29,86    |
| 1562250000 | +38,06     | -35,92    | 1331500000 | +23,97     | -30,01    |
| 1842000000 | +40,85     | -33,13    | 1842000000 | +31,43     | -22,55    |
| 2493750000 | +40,76     | -33,22    | 2494250000 | +26,98     | -27,00    |
| 2762750000 | +47,24     | -26,74    | 2763250000 | +34,11     | -19,87    |
| 3684250000 | +47,99     | -25,99    | 3684250000 | +36,25     | -17,73    |
| 4605250000 | +47,96     | -26,02    | 4605250000 | +36,51     | -17,47    |
| 5988000000 | +47,98     | -26,00    | 6071500000 | +33,63     | -20,35    |
| 7917500000 | +50,63     | -23,35    | 7368500000 | +37,88     | -16,10    |
| 9994000000 | +54,23     | -19,75    | 9831000000 | +39,58     | -14,40    |

24078607\_2

Panozzo 24078608

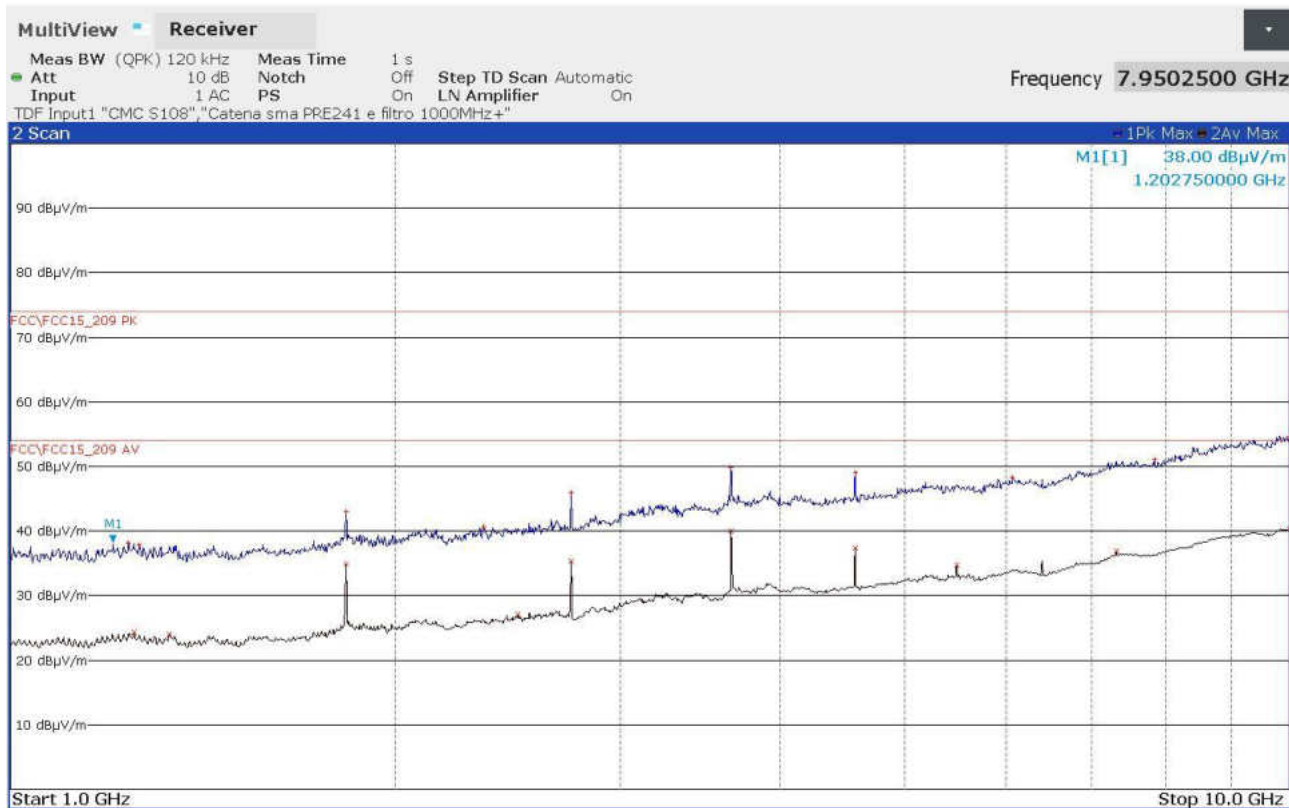


### FINAL RESULT TABLE

| MAX PEAK   |            |           | AVERAGE    |            |           |
|------------|------------|-----------|------------|------------|-----------|
| Freq Hz    | Lev dBuV/m | Margin dB | Freq Hz    | Lev dBuV/m | Margin dB |
| 1226250000 | +37,76     | -36,22    | 1249000000 | +24,13     | -29,85    |
| 1576250000 | +37,43     | -36,55    | 1331500000 | +23,97     | -30,01    |
| 1842000000 | +42,18     | -31,80    | 1842000000 | +33,44     | -20,54    |
| 2495000000 | +40,44     | -33,54    | 2494250000 | +26,97     | -27,01    |
| 2762750000 | +43,75     | -30,23    | 2763250000 | +32,42     | -21,56    |
| 3684250000 | +49,22     | -24,76    | 3684250000 | +37,16     | -16,82    |
| 4605250000 | +50,91     | -23,07    | 4605250000 | +39,54     | -14,44    |
| 6104500000 | +47,77     | -26,21    | 5526250000 | +34,54     | -19,44    |
| 7392750000 | +50,50     | -23,48    | 7368500000 | +36,67     | -17,31    |
| 9863250000 | +53,67     | -20,31    | 9832750000 | +39,56     | -14,42    |

24078608\_2

Panozzo 24078609

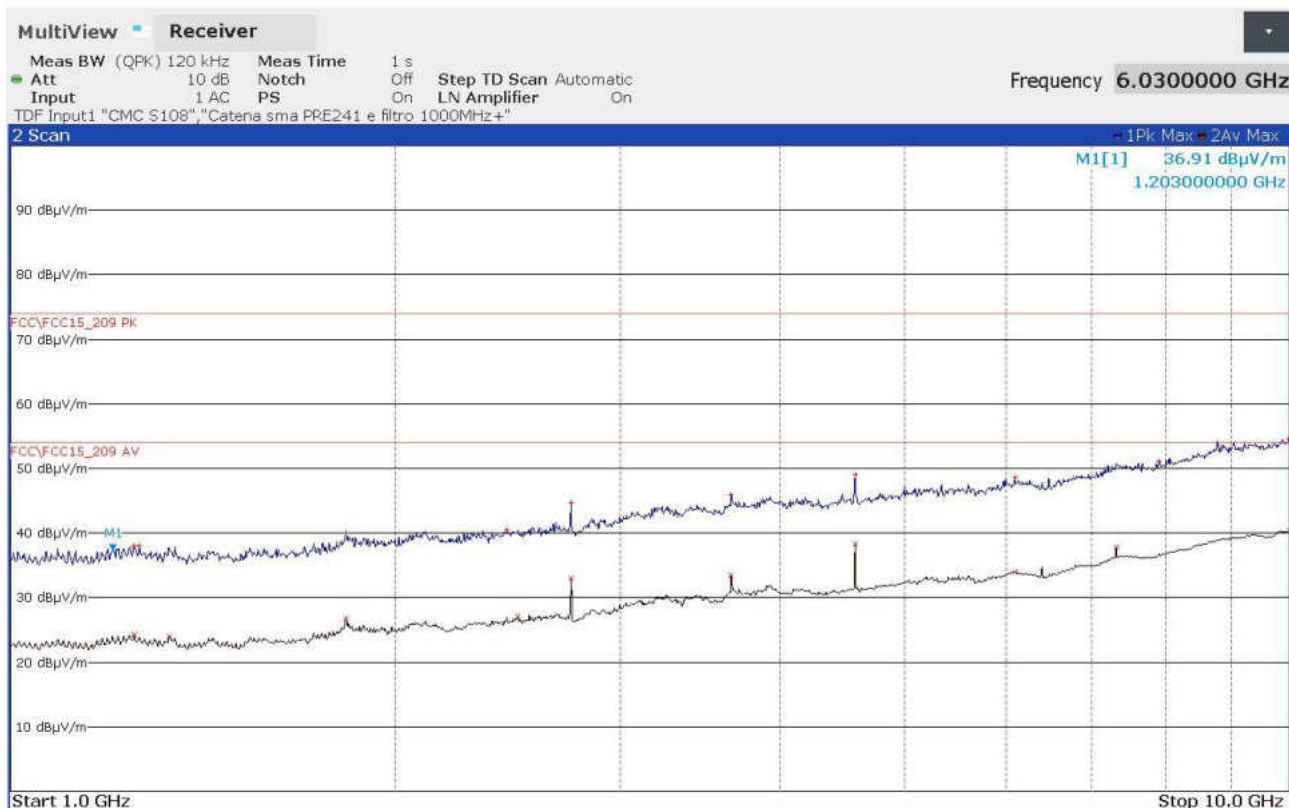


FINAL RESULT TABLE

| MAX PEAK   |            |           | AVERAGE    |            |           |
|------------|------------|-----------|------------|------------|-----------|
| Freq Hz    | Lev dBuV/m | Margin dB | Freq Hz    | Lev dBuV/m | Margin dB |
| 1236500000 | +38,15     | -35,83    | 1249250000 | +24,24     | -29,74    |
| 1260500000 | +37,90     | -36,08    | 1331750000 | +24,05     | -29,93    |
| 1830000000 | +42,98     | -31,00    | 1830000000 | +34,89     | -19,09    |
| 2343000000 | +40,73     | -33,25    | 2494500000 | +27,14     | -26,84    |
| 2744750000 | +46,02     | -27,96    | 2745250000 | +35,43     | -18,55    |
| 3660250000 | +49,91     | -24,07    | 3660250000 | +39,99     | -13,99    |
| 4575250000 | +48,99     | -24,99    | 4575250000 | +37,37     | -16,61    |
| 6074500000 | +48,26     | -25,72    | 5490250000 | +34,81     | -19,17    |
| 7841500000 | +51,05     | -22,93    | 7320500000 | +36,89     | -17,09    |
| 9993000000 | +54,70     | -19,28    | 9993750000 | +40,37     | -13,61    |

24078609\_2

Panozzo 24078610

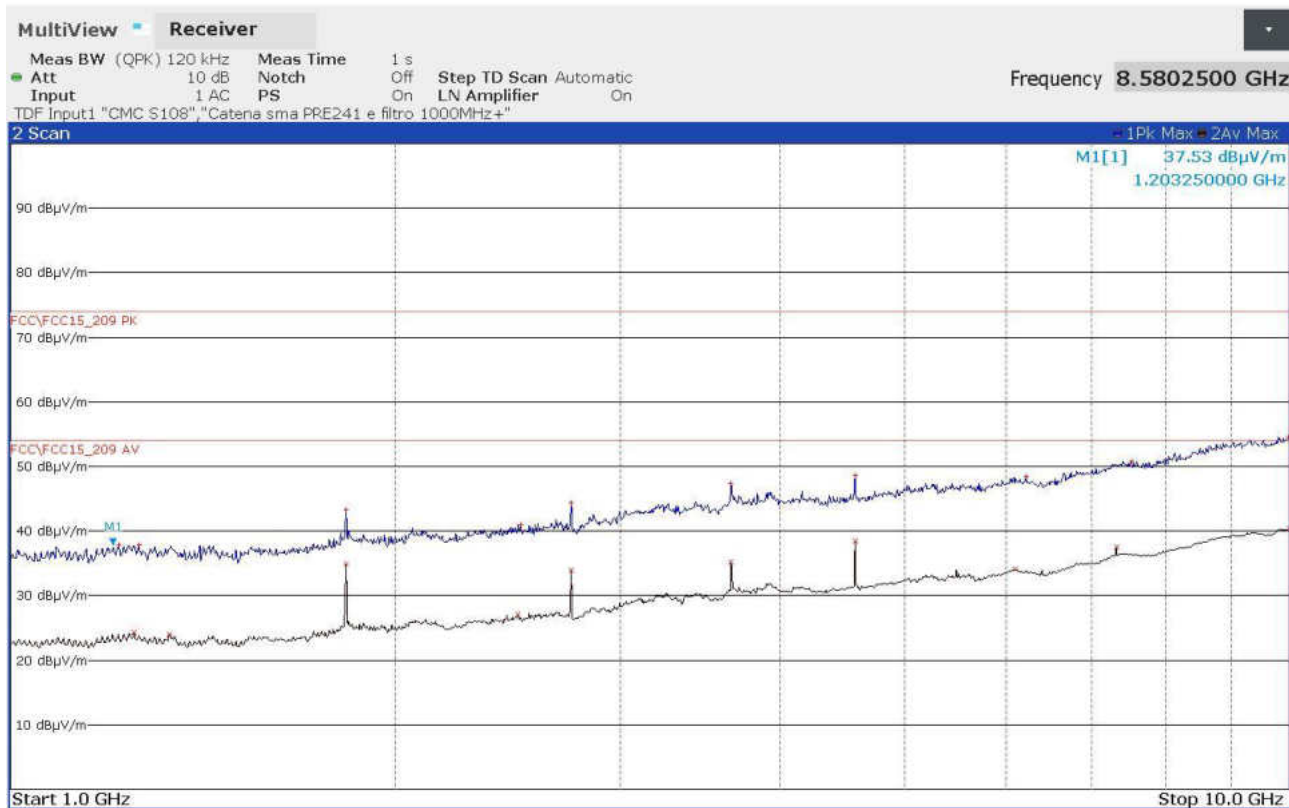


### FINAL RESULT TABLE

| MAX PEAK   |            |           | AVERAGE    |            |           |
|------------|------------|-----------|------------|------------|-----------|
| Freq Hz    | Lev dBuV/m | Margin dB | Freq Hz    | Lev dBuV/m | Margin dB |
| 1249500000 | +37,98     | -36,00    | 1249000000 | +24,23     | -29,75    |
| 1260500000 | +38,03     | -35,95    | 1331500000 | +24,04     | -29,94    |
| 1830000000 | +40,02     | -33,96    | 1830000000 | +26,80     | -27,18    |
| 2442500000 | +40,50     | -33,48    | 2494250000 | +27,06     | -26,92    |
| 2744750000 | +44,78     | -29,20    | 2745250000 | +33,09     | -20,89    |
| 3660250000 | +45,95     | -28,03    | 3660250000 | +33,46     | -20,52    |
| 4575250000 | +49,11     | -24,87    | 4575250000 | +38,38     | -15,60    |
| 6099500000 | +48,55     | -25,43    | 6099750000 | +34,01     | -19,97    |
| 7906000000 | +51,11     | -22,87    | 7320500000 | +37,92     | -16,06    |
| 9982500000 | +54,47     | -19,51    | 9993250000 | +40,39     | -13,59    |

24078610\_2

Panozzo 24078611

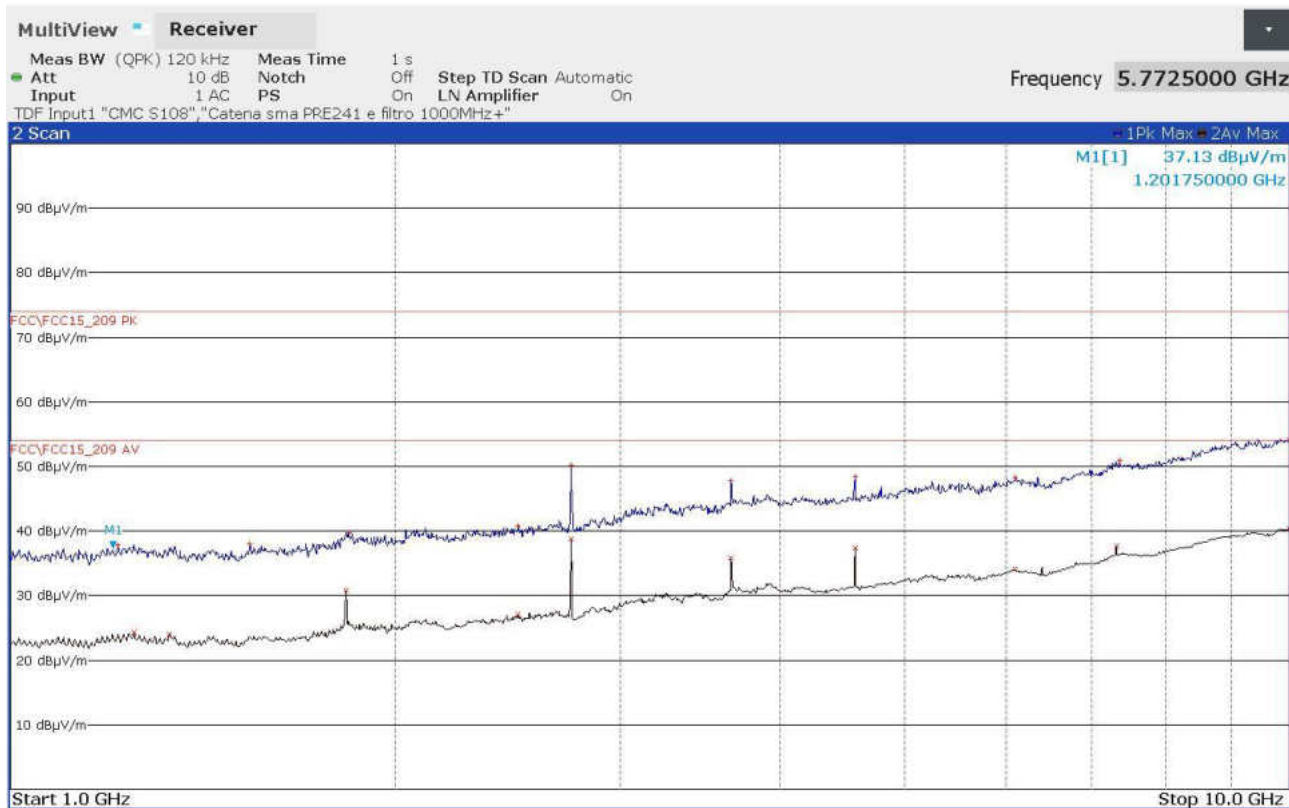


### FINAL RESULT TABLE

| MAX PEAK   |            |           | AVERAGE    |            |           |
|------------|------------|-----------|------------|------------|-----------|
| Freq Hz    | Lev dBuV/m | Margin dB | Freq Hz    | Lev dBuV/m | Margin dB |
| 1215500000 | +37,91     | -36,07    | 1249250000 | +24,23     | -29,75    |
| 1260250000 | +37,84     | -36,14    | 1331250000 | +24,05     | -29,93    |
| 1830000000 | +43,34     | -30,64    | 1830000000 | +34,92     | -19,06    |
| 2505250000 | +40,93     | -33,05    | 2494250000 | +27,07     | -26,91    |
| 2745250000 | +44,39     | -29,59    | 2745250000 | +33,99     | -19,99    |
| 3660000000 | +47,39     | -26,59    | 3660250000 | +35,14     | -18,84    |
| 4575500000 | +48,65     | -25,33    | 4575250000 | +38,40     | -15,58    |
| 6222750000 | +48,42     | -25,56    | 6098500000 | +34,04     | -19,94    |
| 7523500000 | +50,83     | -23,15    | 7320500000 | +37,60     | -16,38    |
| 9988750000 | +54,57     | -19,41    | 9994000000 | +40,40     | -13,58    |

24078611\_2

Panozzo 24078612

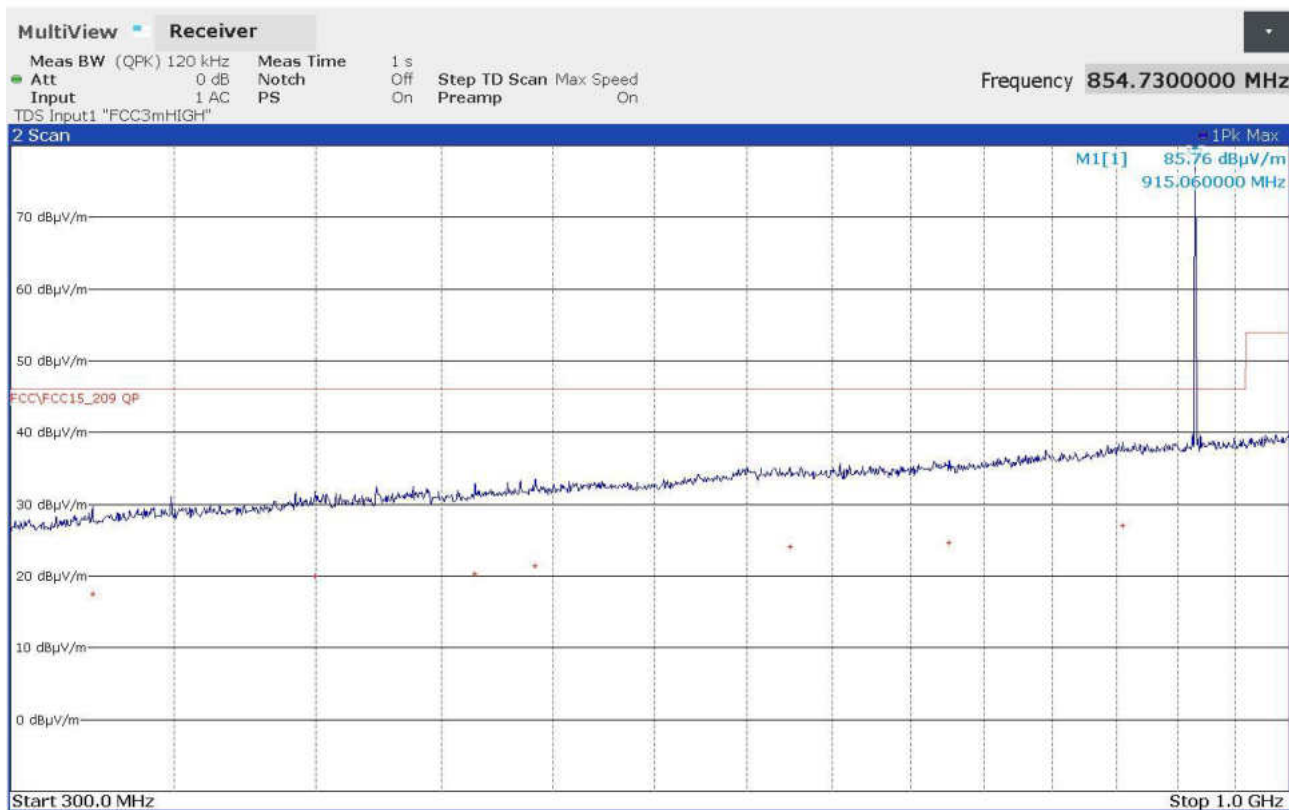


FINAL RESULT TABLE

| MAX PEAK   |            |           | AVERAGE    |            |           |
|------------|------------|-----------|------------|------------|-----------|
| Freq Hz    | Lev dBuV/m | Margin dB | Freq Hz    | Lev dBuV/m | Margin dB |
| 1213250000 | +37,87     | -36,11    | 1249250000 | +24,25     | -29,73    |
| 1538500000 | +38,00     | -35,98    | 1331500000 | +24,06     | -29,92    |
| 1838750000 | +39,76     | -34,22    | 1830000000 | +30,90     | -23,08    |
| 2494250000 | +40,87     | -33,11    | 2494250000 | +27,15     | -26,83    |
| 2745000000 | +50,20     | -23,78    | 2745250000 | +38,72     | -15,26    |
| 3660250000 | +47,89     | -26,09    | 3660250000 | +35,78     | -18,20    |
| 4575250000 | +48,37     | -25,61    | 4575250000 | +37,34     | -16,64    |
| 6103750000 | +48,28     | -25,70    | 6099000000 | +34,06     | -19,92    |
| 7364500000 | +50,92     | -23,06    | 7320500000 | +37,63     | -16,35    |
| 9992500000 | +54,35     | -19,63    | 9993250000 | +40,38     | -13,60    |

24078612\_2

Panozzo 24078613



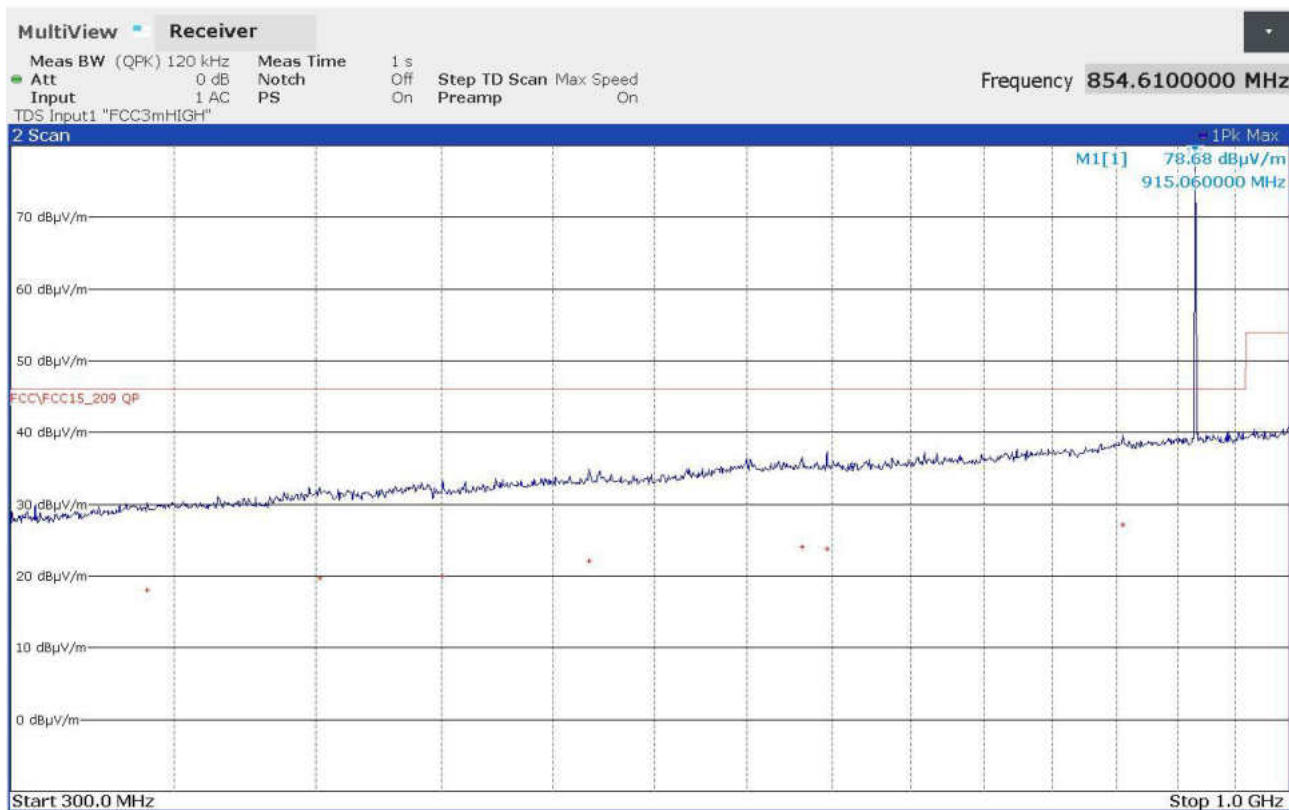
### FINAL RESULT TABLE

#### QUASI PEAK

| Freq Hz   | Lev dBuV/m | Margin dB |
|-----------|------------|-----------|
| 324090000 | +17,54     | -28,48    |
| 399600000 | +20,03     | -25,99    |
| 464580000 | +20,35     | -25,67    |
| 491730000 | +21,41     | -24,61    |
| 624750000 | +24,03     | -21,99    |
| 725970000 | +24,59     | -21,43    |
| 854730000 | +27,05     | -18,97    |

24078613\_2

Panozzo 24078614



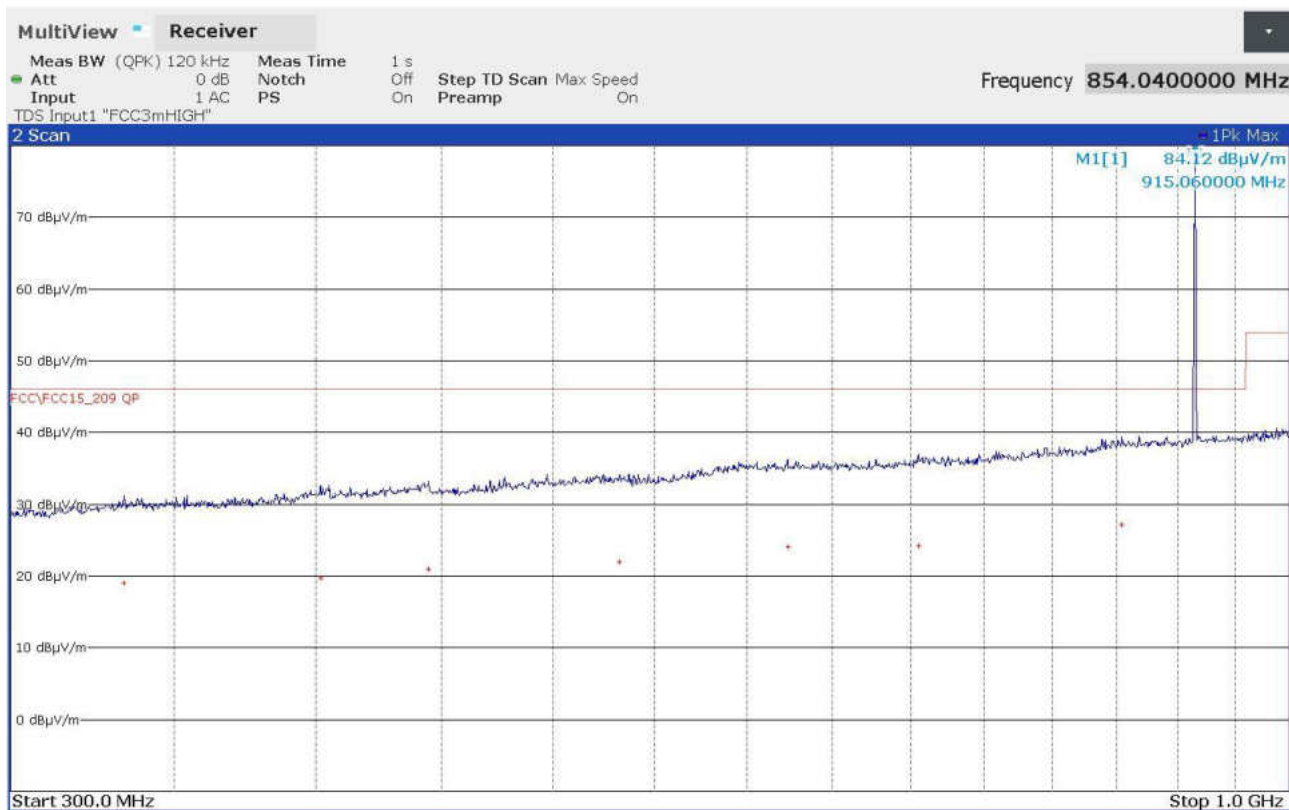
### FINAL RESULT TABLE

#### QUASI PEAK

| Freq Hz   | Lev dBuV/m | Margin dB |
|-----------|------------|-----------|
| 341100000 | +18,09     | -27,93    |
| 401400000 | +19,72     | -26,30    |
| 450690000 | +19,97     | -26,05    |
| 517230000 | +22,13     | -23,89    |
| 631950000 | +24,10     | -21,92    |
| 647010000 | +23,73     | -22,29    |
| 854610000 | +27,11     | -18,91    |

24078614\_2

Panozzo 24078615



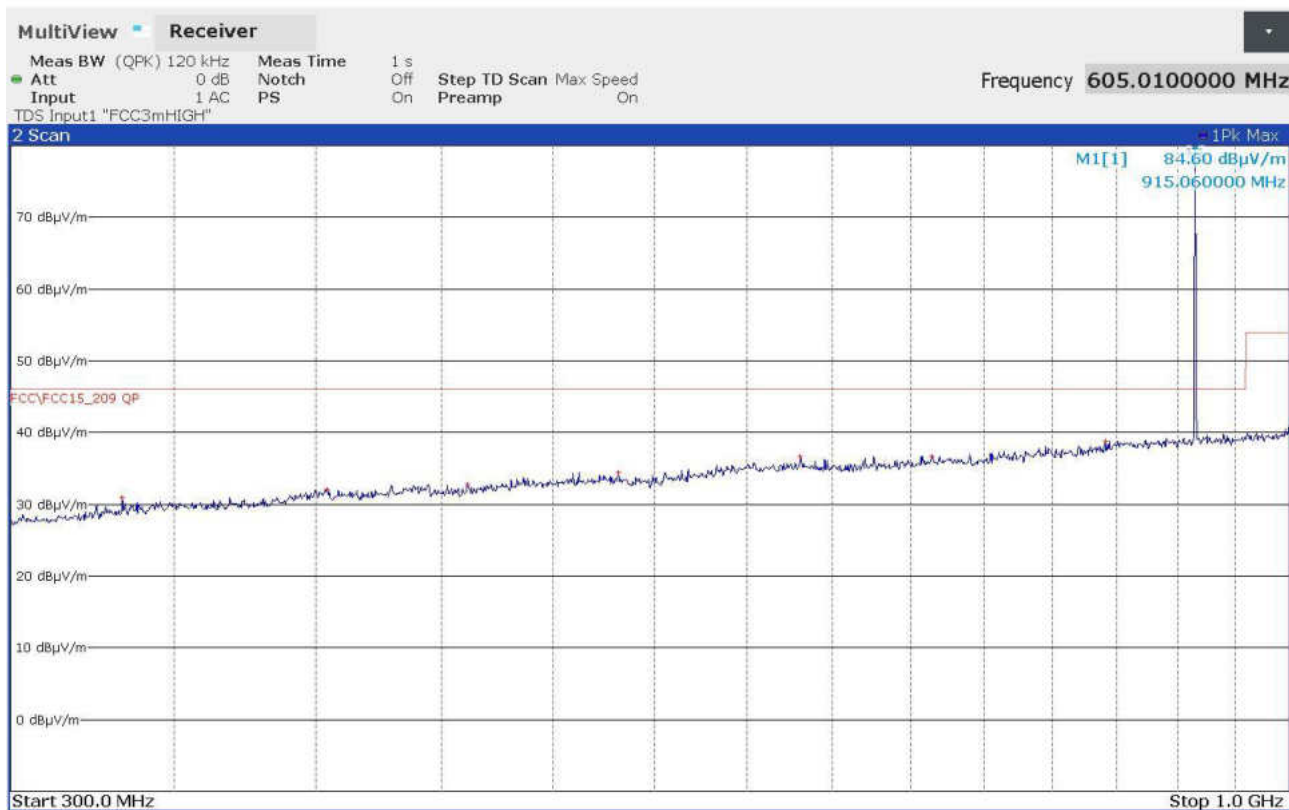
### FINAL RESULT TABLE

#### QUASI PEAK

| Freq Hz   | Lev dBuV/m | Margin dB |
|-----------|------------|-----------|
| 333780000 | +19,07     | -26,95    |
| 401640000 | +19,72     | -26,30    |
| 444690000 | +20,93     | -25,09    |
| 532110000 | +21,99     | -24,03    |
| 623610000 | +24,03     | -21,99    |
| 705180000 | +24,21     | -21,81    |
| 854040000 | +27,19     | -18,83    |

24078615\_2

Panozzo 24078616



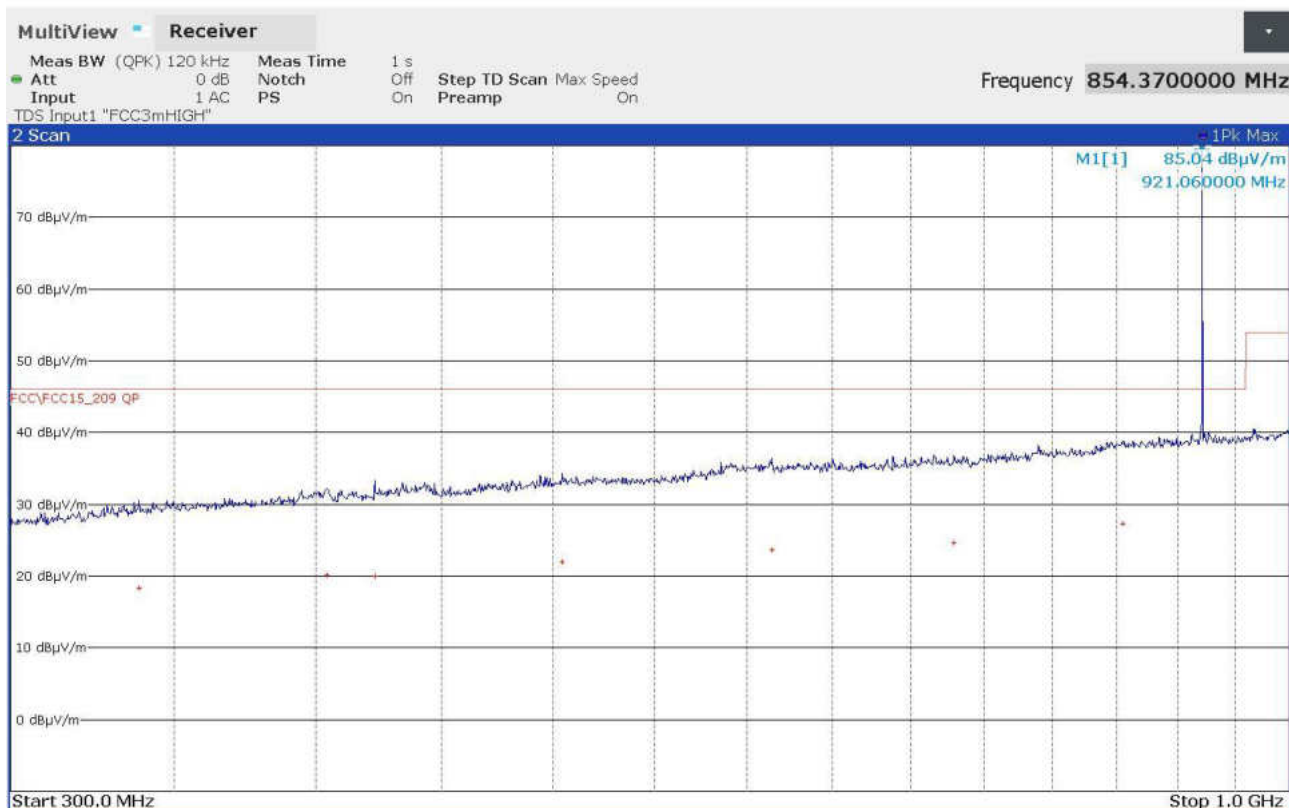
### FINAL RESULT TABLE

#### MAX PEAK

| Freq Hz   | Lev dBuV/m | Margin dB |
|-----------|------------|-----------|
| 333300000 | +30,94     | -15,08    |
| 404010000 | +32,08     | -13,94    |
| 461160000 | +32,81     | -13,21    |
| 531780000 | +34,44     | -11,58    |
| 631050000 | +36,63     | -9,39     |
| 714300000 | +36,73     | -9,29     |
| 840990000 | +38,83     | -7,19     |

24078616\_2

Panozzo 24078617



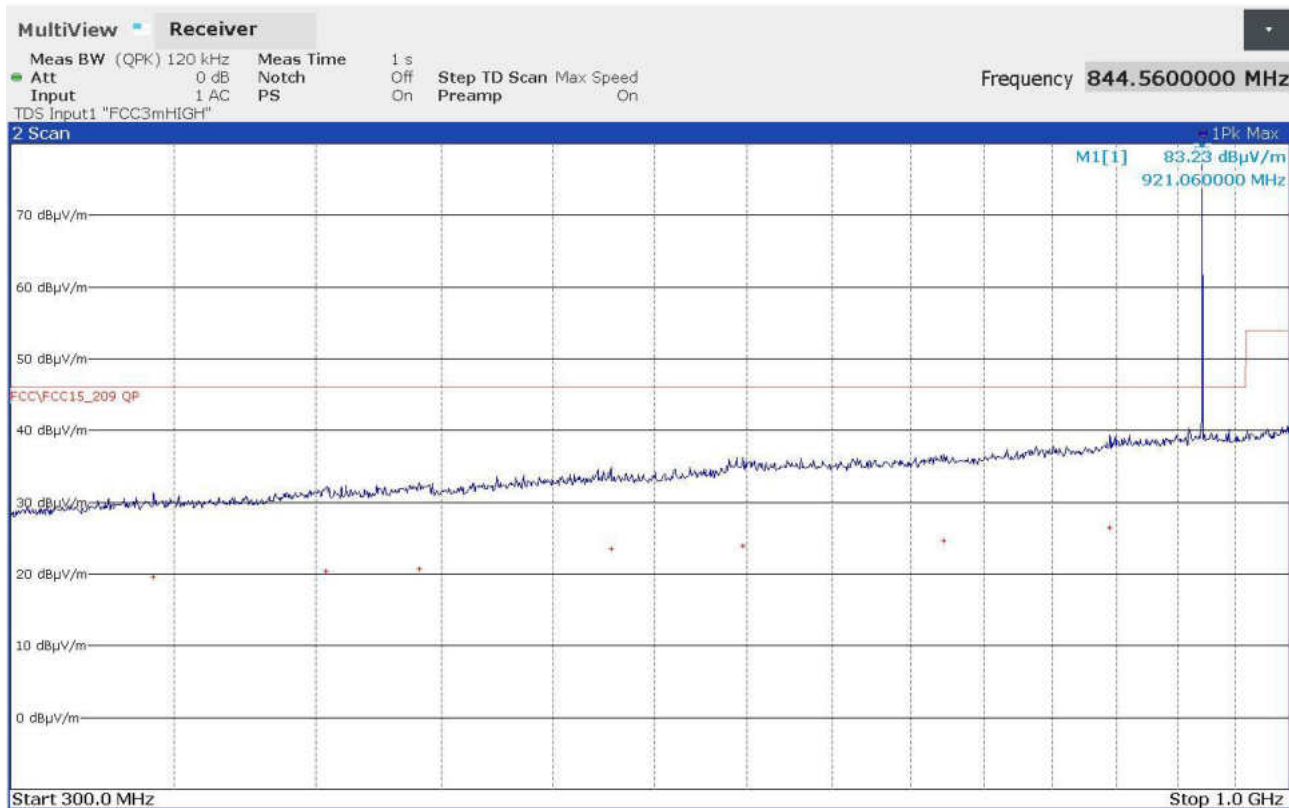
### FINAL RESULT TABLE

#### QUASI PEAK

| Freq Hz   | Lev dBuV/m | Margin dB |
|-----------|------------|-----------|
| 338580000 | +18,35     | -27,67    |
| 404220000 | +20,17     | -25,85    |
| 422790000 | +19,93     | -26,09    |
| 504360000 | +22,01     | -24,01    |
| 614400000 | +23,69     | -22,33    |
| 729420000 | +24,69     | -21,33    |
| 854370000 | +27,29     | -18,73    |

24078617\_2

Panozzo 24078618



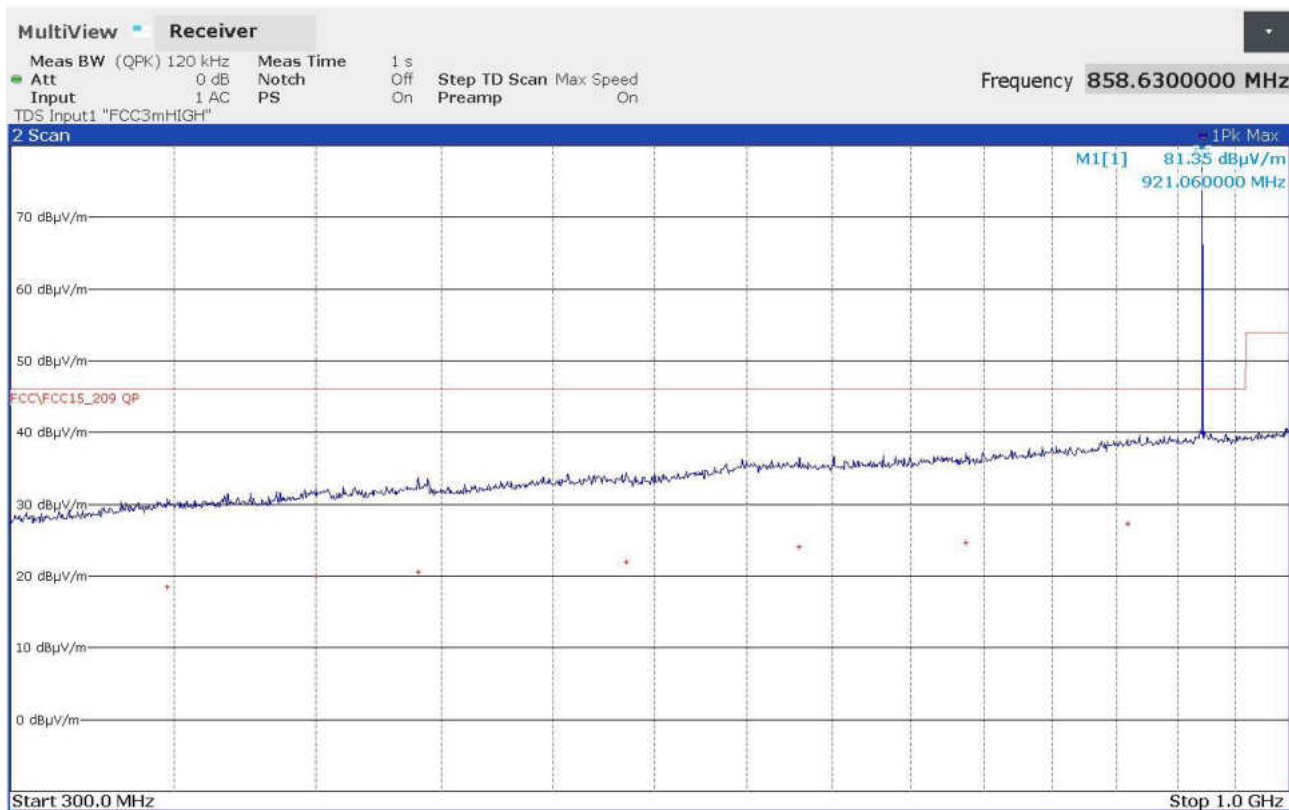
### FINAL RESULT TABLE

#### QUASI PEAK

| Freq Hz   | Lev dBuV/m | Margin dB |
|-----------|------------|-----------|
| 343230000 | +19,58     | -26,44    |
| 403830000 | +20,38     | -25,64    |
| 440730000 | +20,68     | -25,34    |
| 527970000 | +23,51     | -22,51    |
| 597840000 | +23,87     | -22,15    |
| 722190000 | +24,57     | -21,45    |
| 844560000 | +26,41     | -19,61    |

24078618\_2

Panozzo 24078619



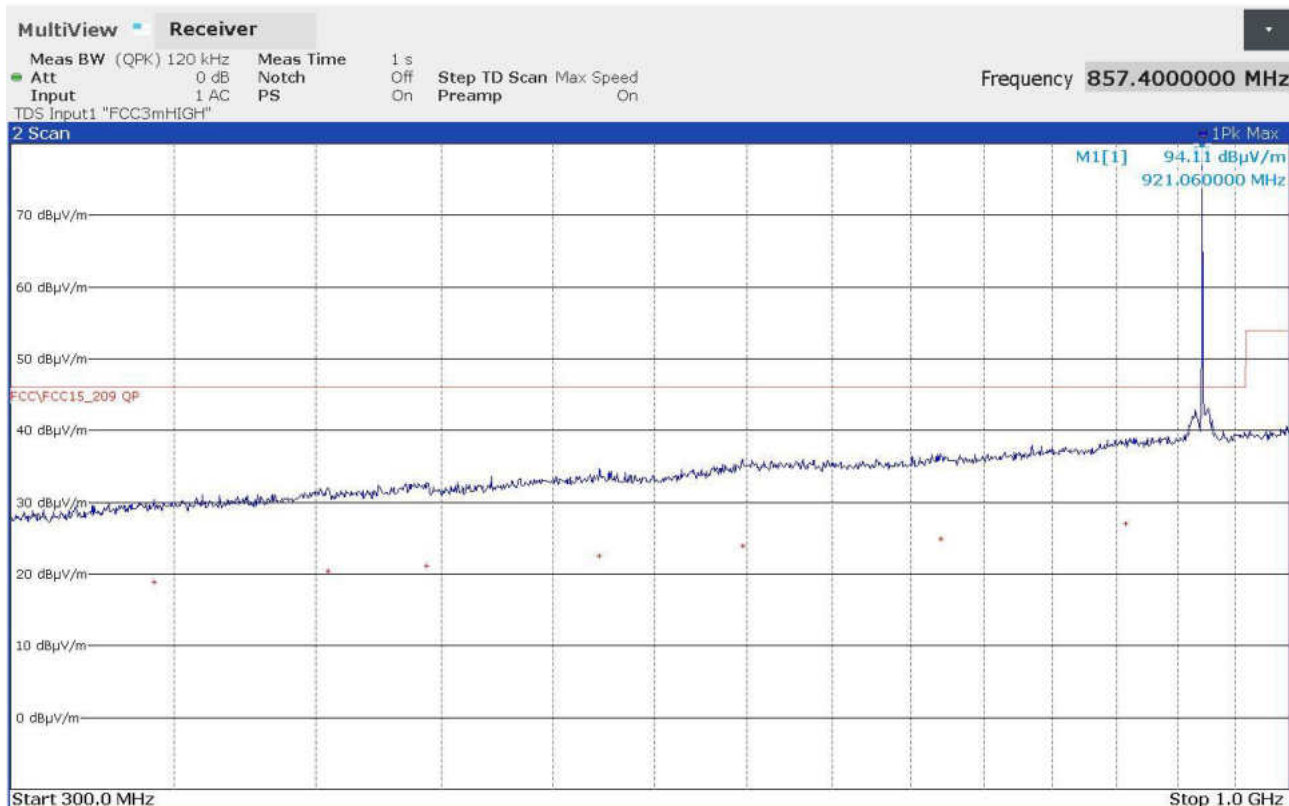
### FINAL RESULT TABLE

#### QUASI PEAK

| Freq Hz   | Lev dBuV/m | Margin dB |
|-----------|------------|-----------|
| 347790000 | +18,47     | -27,55    |
| 399990000 | +20,05     | -25,97    |
| 440280000 | +20,63     | -25,39    |
| 535530000 | +21,92     | -24,10    |
| 630600000 | +24,03     | -21,99    |
| 737370000 | +24,64     | -21,38    |
| 858630000 | +27,27     | -18,75    |

24078619\_2

Panozzo 24078620



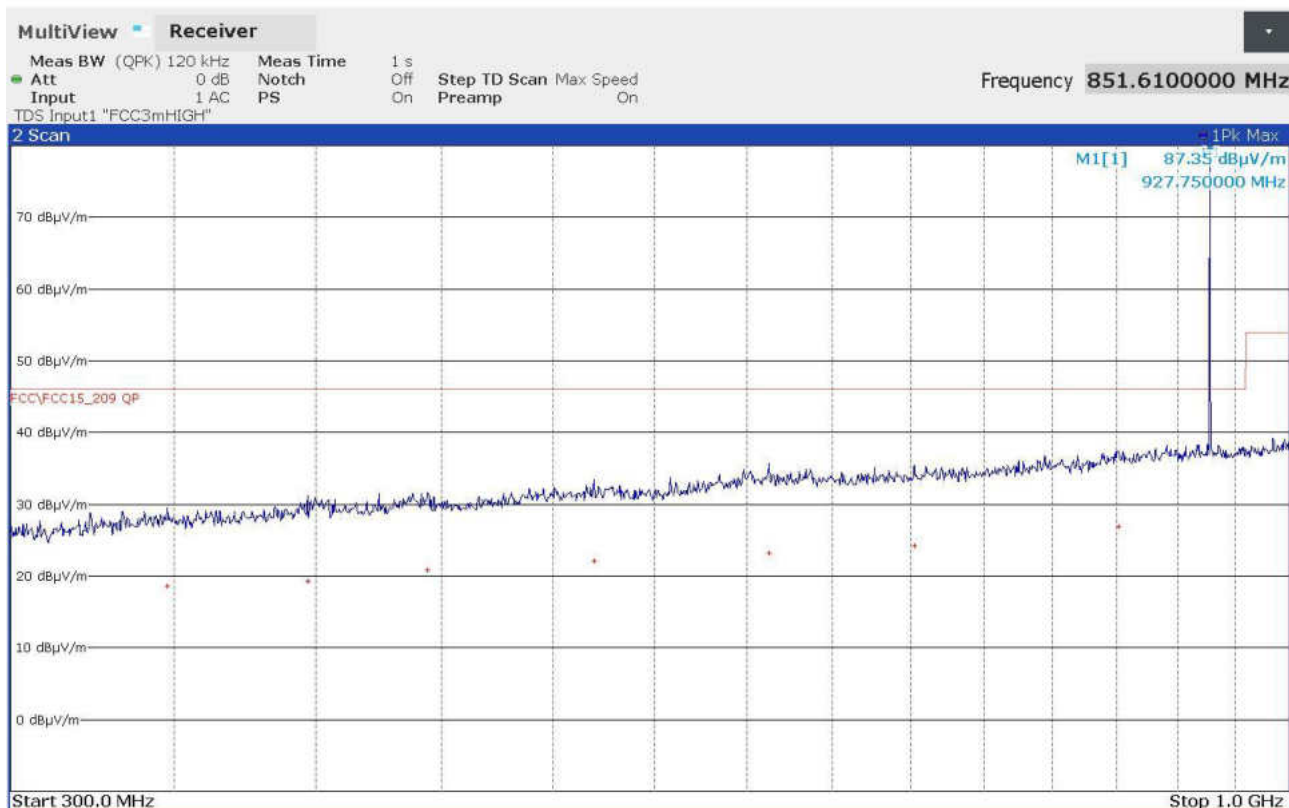
# FINAL RESULT TABLE

## QUASI PEAK

| Freq Hz   | Lev dBuV/m | Margin dB |
|-----------|------------|-----------|
| 343500000 | +18,81     | -27,21    |
| 404520000 | +20,47     | -25,55    |
| 443970000 | +21,14     | -24,88    |
| 522360000 | +22,55     | -23,47    |
| 597600000 | +23,94     | -22,08    |
| 719970000 | +24,86     | -21,16    |
| 857400000 | +27,01     | -19,01    |

24078620\_2

Panozzo 24078621



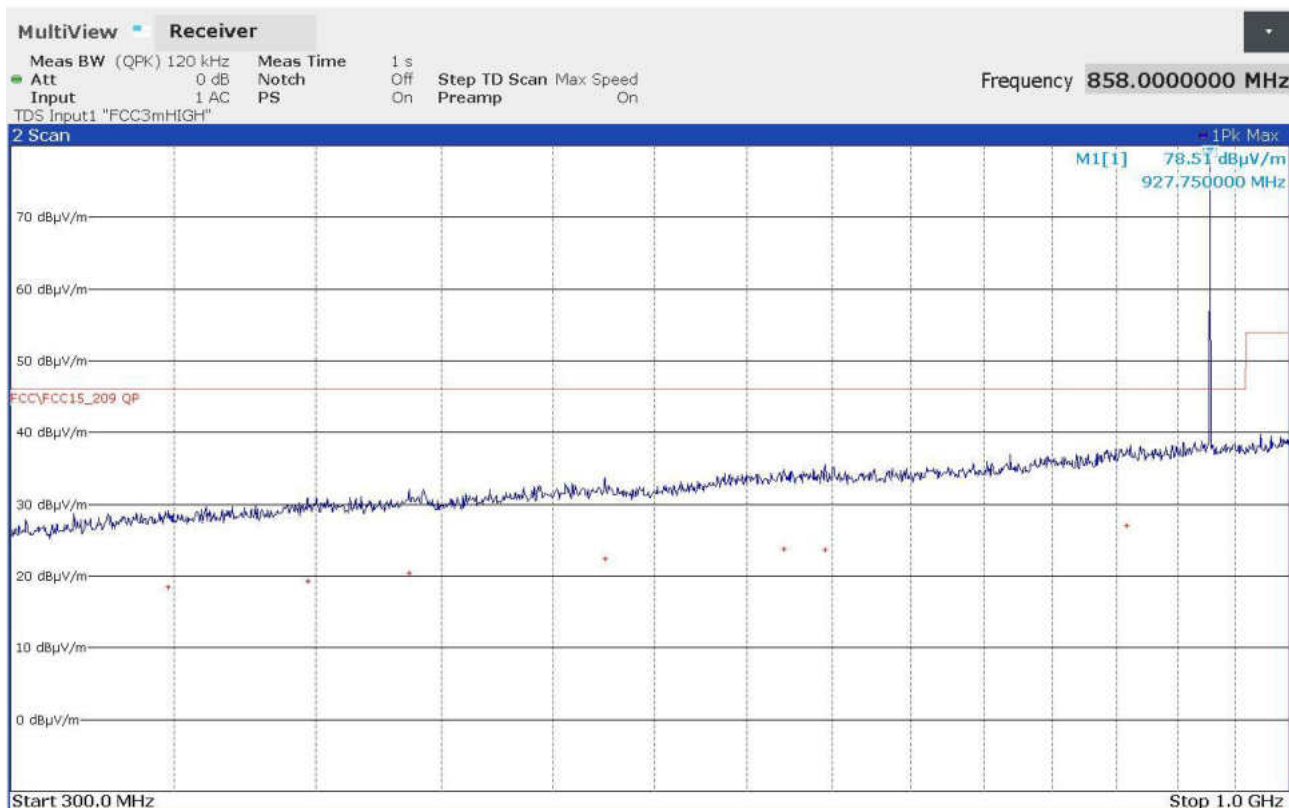
### FINAL RESULT TABLE

#### QUASI PEAK

| Freq Hz   | Lev dBuV/m | Margin dB |
|-----------|------------|-----------|
| 347640000 | +18,54     | -27,48    |
| 396840000 | +19,24     | -26,78    |
| 444390000 | +20,83     | -25,19    |
| 519570000 | +22,10     | -23,92    |
| 612750000 | +23,24     | -22,78    |
| 702450000 | +24,24     | -21,78    |
| 851610000 | +26,88     | -19,14    |

24078621\_2

Panozzo 24078622



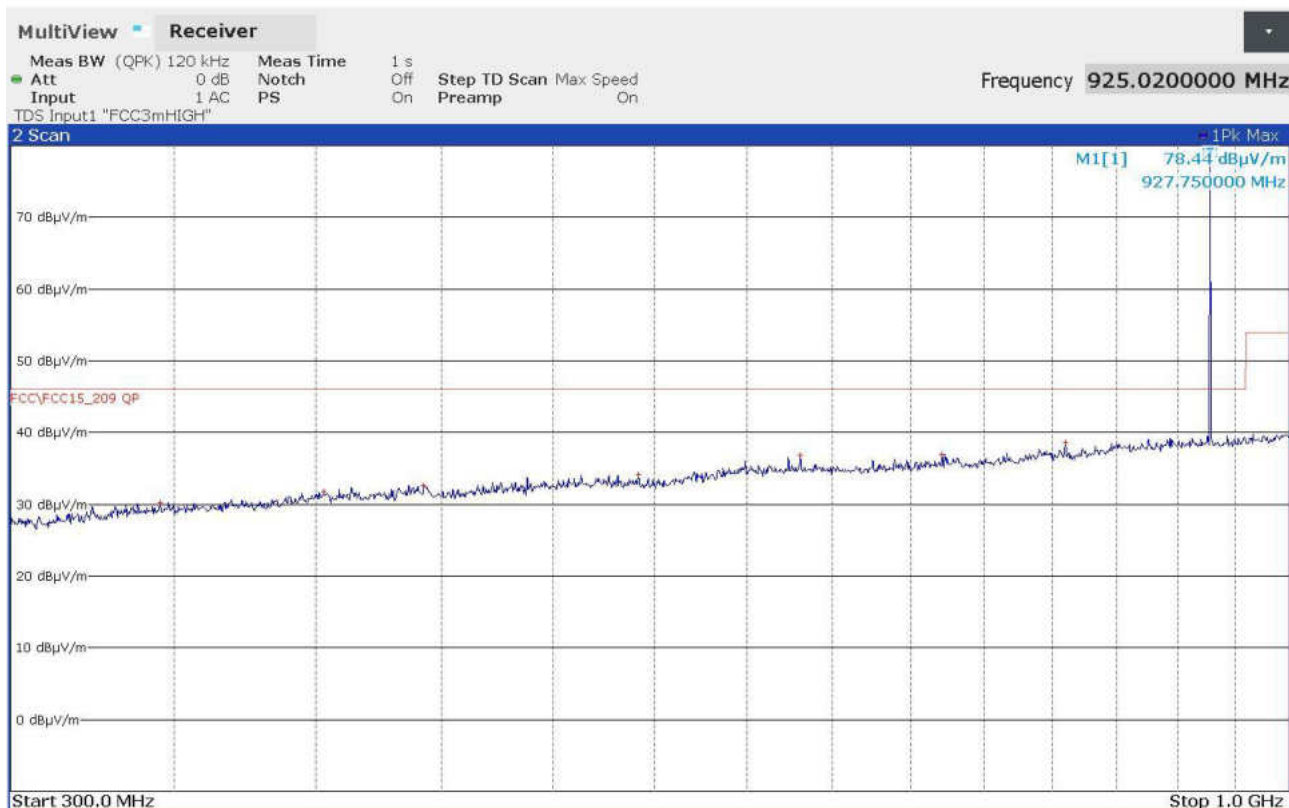
### FINAL RESULT TABLE

#### QUASI PEAK

| Freq Hz   | Lev dBuV/m | Margin dB |
|-----------|------------|-----------|
| 348090000 | +18,45     | -27,57    |
| 396750000 | +19,30     | -26,72    |
| 436620000 | +20,45     | -25,57    |
| 524940000 | +22,41     | -23,61    |
| 621210000 | +23,85     | -22,17    |
| 645780000 | +23,68     | -22,34    |
| 858000000 | +27,00     | -19,02    |

24078622\_2

Panozzo 24078623



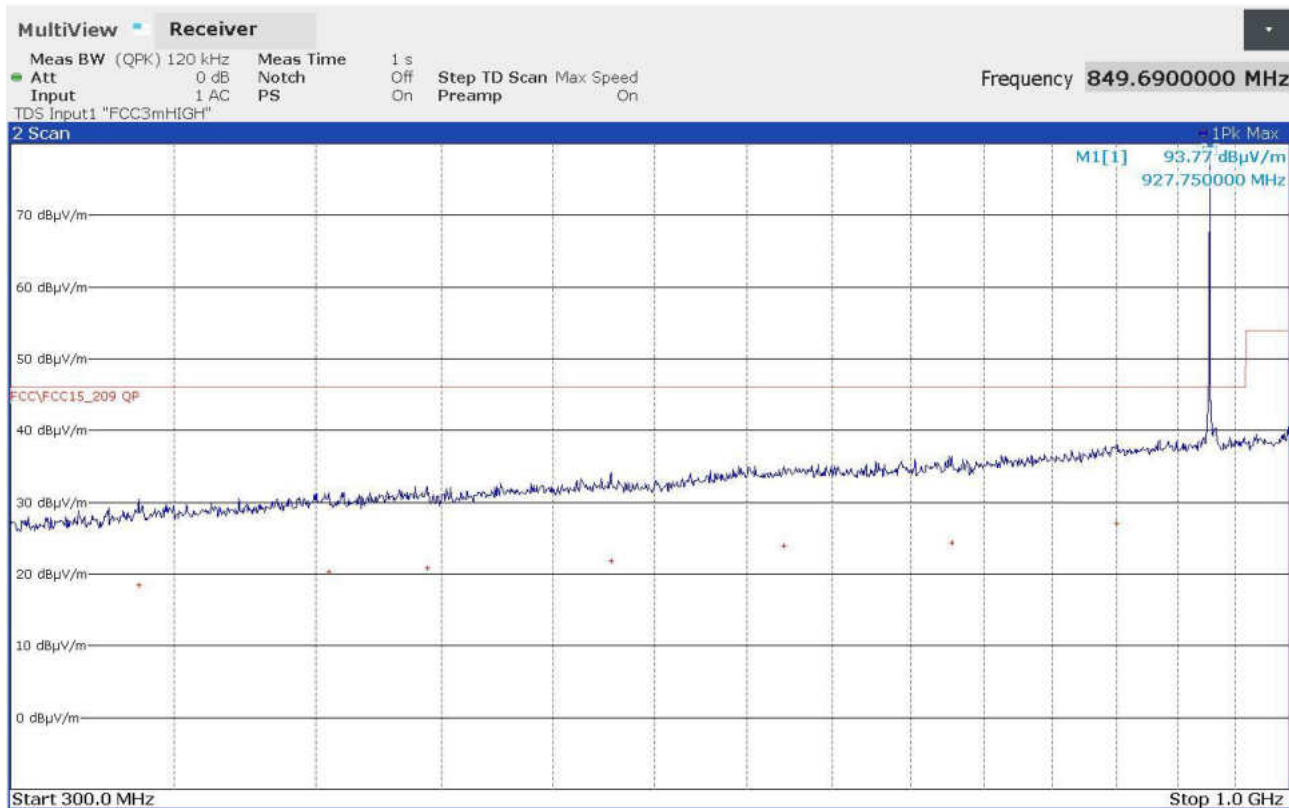
### FINAL RESULT TABLE

#### MAX PEAK

| Freq Hz   | Lev dBuV/m | Margin dB |
|-----------|------------|-----------|
| 345420000 | +30,26     | -15,76    |
| 403140000 | +31,84     | -14,18    |
| 442680000 | +32,67     | -13,35    |
| 541950000 | +34,15     | -11,87    |
| 631050000 | +36,81     | -9,21     |
| 721140000 | +36,97     | -9,05     |
| 809970000 | +38,66     | -7,36     |

24078623\_2

Panozzo 24078624



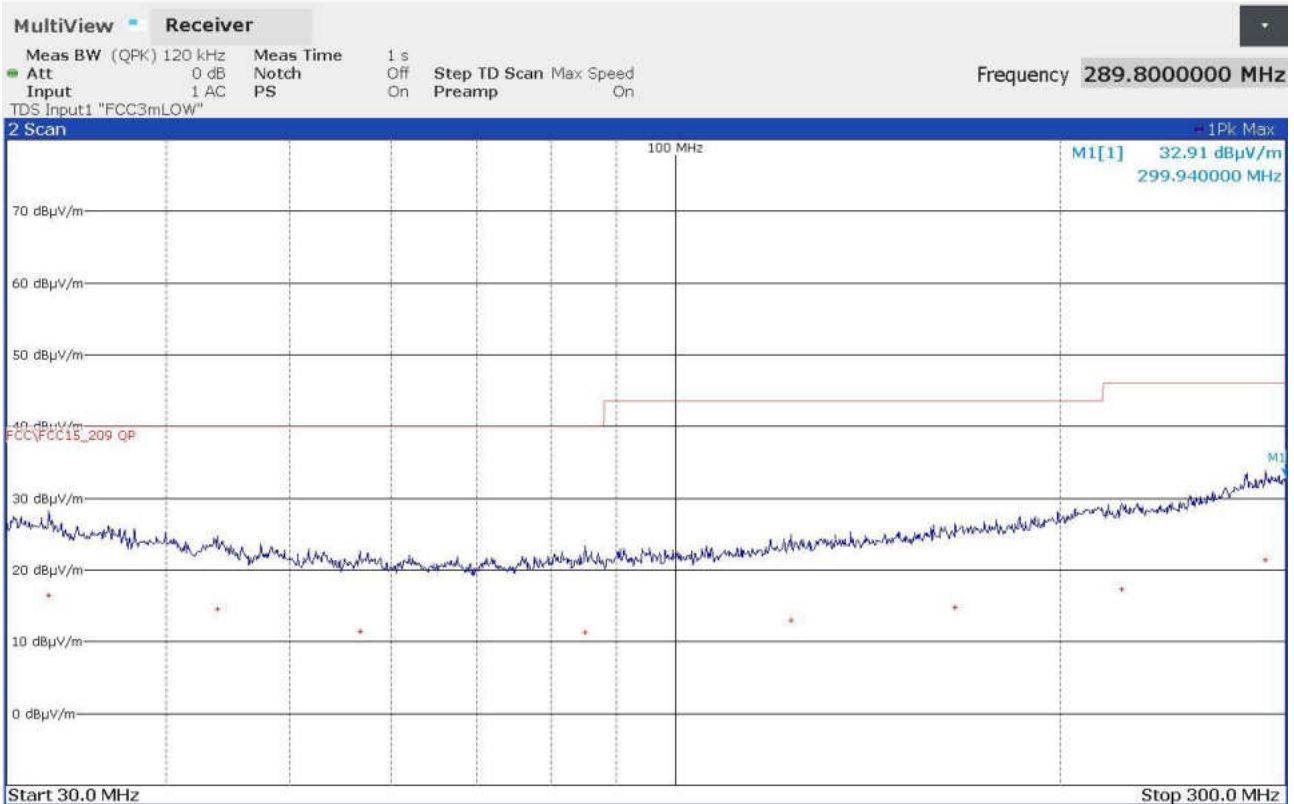
### FINAL RESULT TABLE

#### QUASI PEAK

| Freq Hz   | Lev dBuV/m | Margin dB |
|-----------|------------|-----------|
| 338490000 | +18,52     | -27,50    |
| 404880000 | +20,27     | -25,75    |
| 444000000 | +20,82     | -25,20    |
| 527910000 | +21,83     | -24,19    |
| 621390000 | +23,86     | -22,16    |
| 727500000 | +24,30     | -21,72    |
| 849690000 | +26,95     | -19,07    |

24078624\_2

Panozzo 24078625



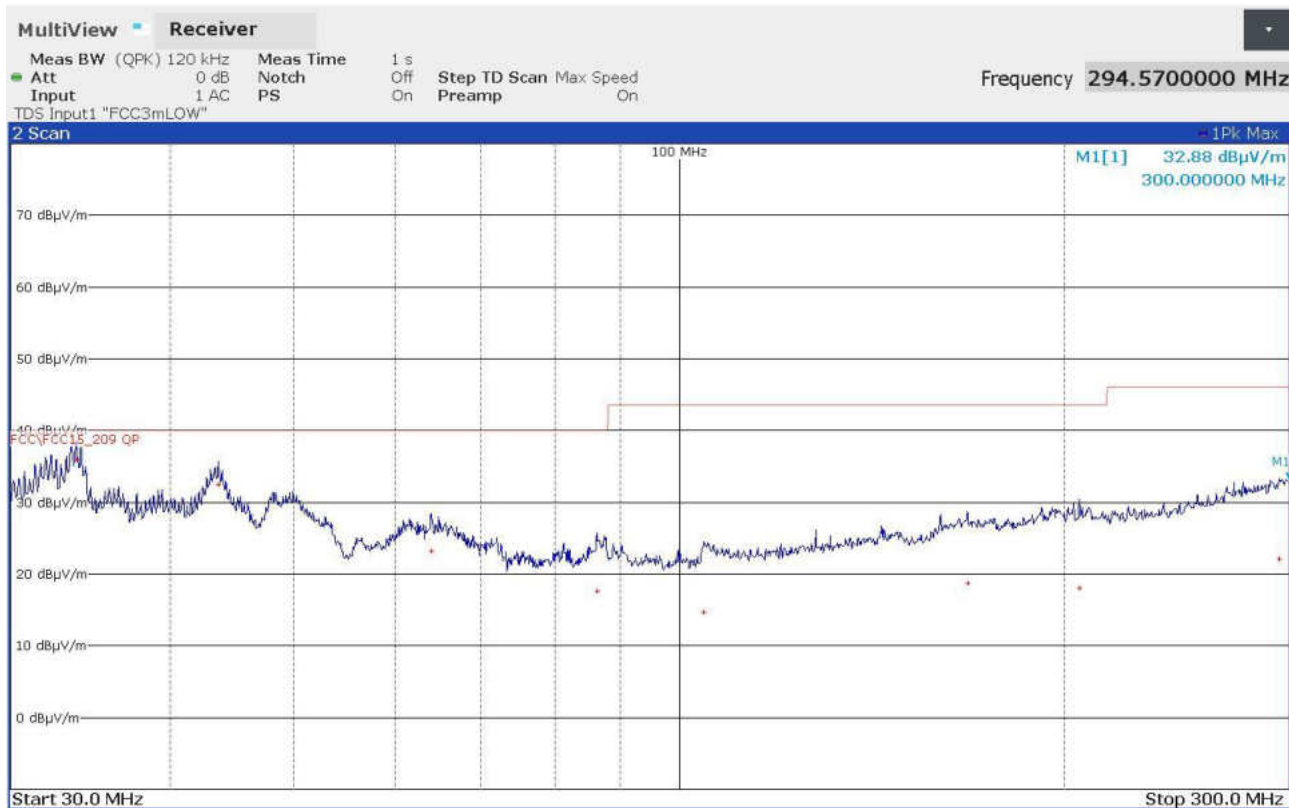
### FINAL RESULT TABLE

#### QUASI PEAK

| Freq Hz   | Lev dBuV/m | Margin dB |
|-----------|------------|-----------|
| 32370000  | +16,49     | -23,51    |
| 43830000  | +14,60     | -25,40    |
| 56700000  | +11,39     | -28,61    |
| 85020000  | +11,36     | -28,64    |
| 123150000 | +13,06     | -30,46    |
| 165540000 | +14,82     | -28,70    |
| 223320000 | +17,39     | -28,63    |
| 289500000 | +21,47     | -24,55    |

24078625\_2

Panozzo 24078626



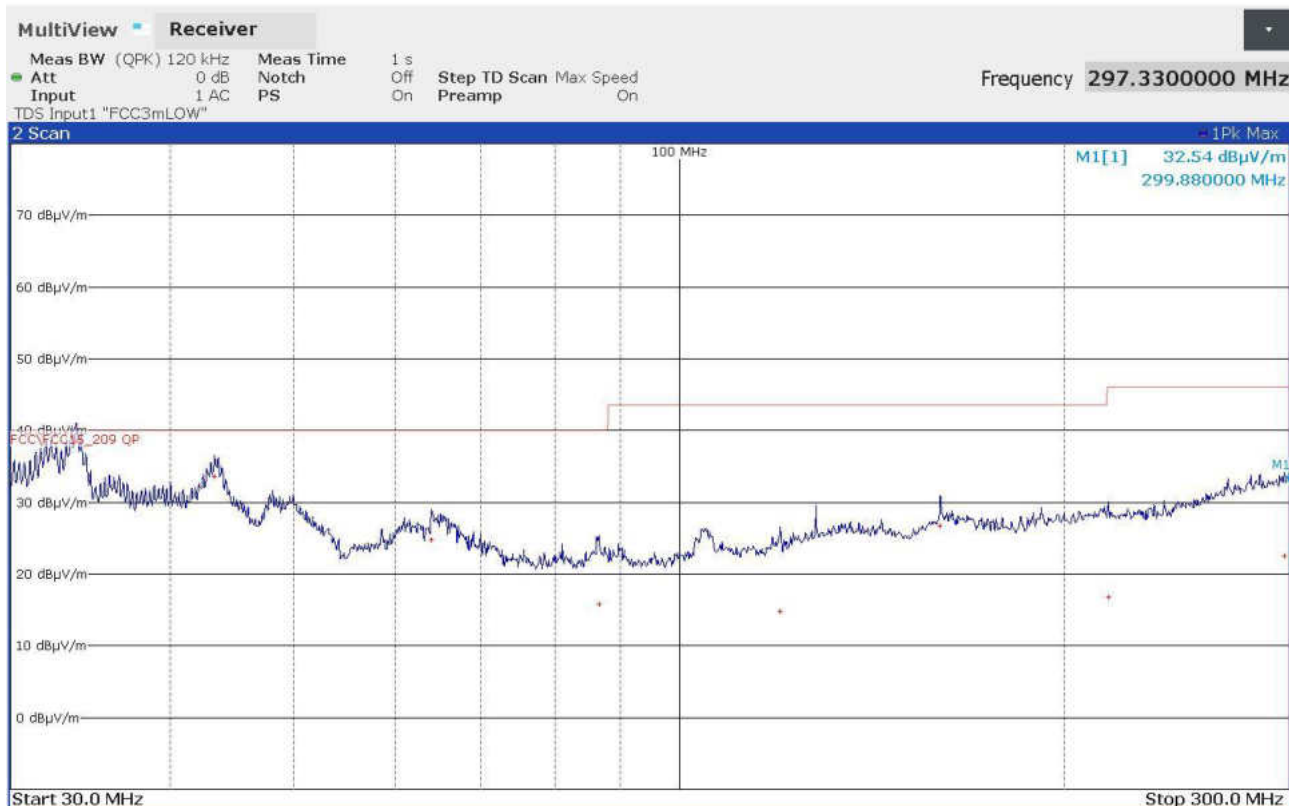
### FINAL RESULT TABLE

#### QUASI PEAK

| Freq Hz   | Lev dBuV/m | Margin dB |
|-----------|------------|-----------|
| 33780000  | +35,98     | -4,02     |
| 43620000  | +32,52     | -7,48     |
| 63960000  | +23,16     | -16,84    |
| 86220000  | +17,61     | -22,39    |
| 104580000 | +14,68     | -28,84    |
| 168030000 | +18,74     | -24,78    |
| 205650000 | +18,03     | -25,49    |
| 294570000 | +22,04     | -23,98    |

24078626\_2

Panozzo 24078627



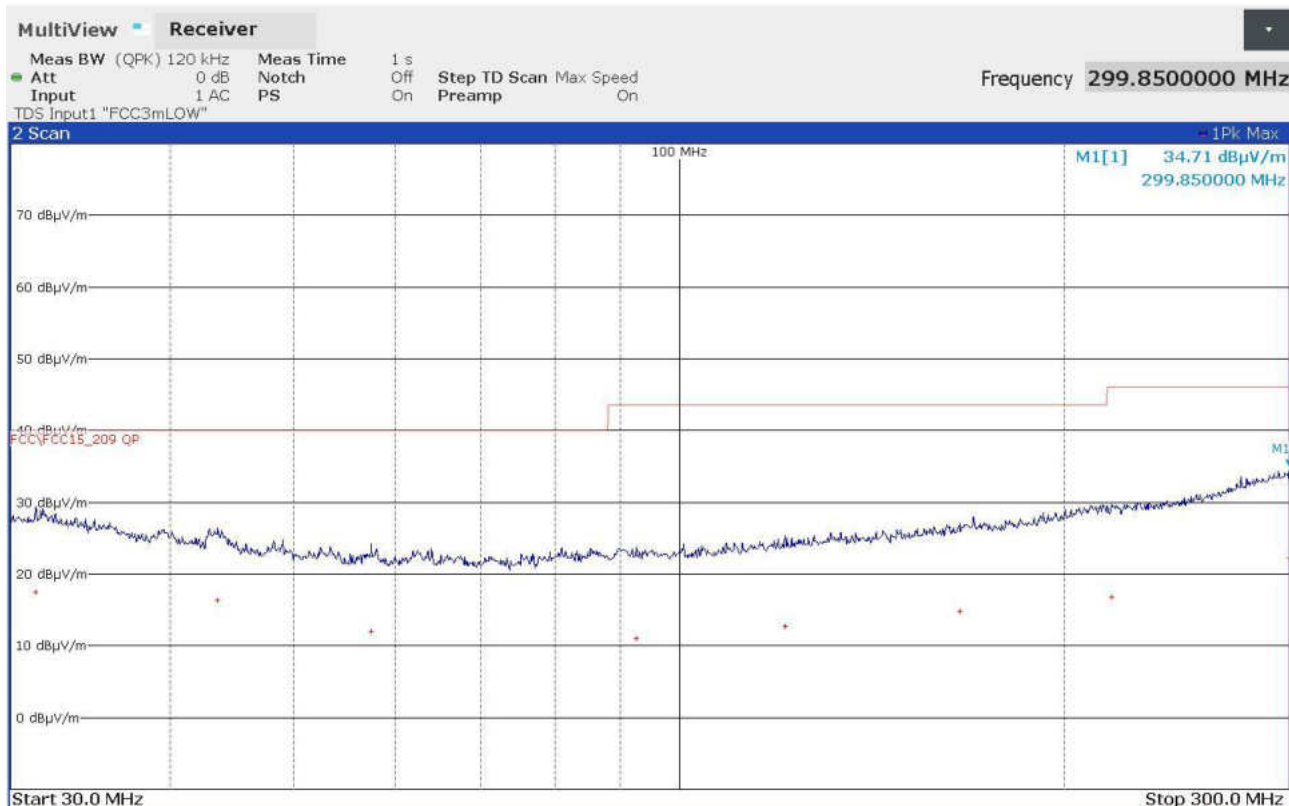
### FINAL RESULT TABLE

#### QUASI PEAK

| Freq Hz   | Lev dBuV/m | Margin dB |
|-----------|------------|-----------|
| 33750000  | +38,54     | -1,46     |
| 43320000  | +33,56     | -6,44     |
| 63990000  | +24,83     | -15,17    |
| 86520000  | +15,79     | -24,21    |
| 119940000 | +14,82     | -28,70    |
| 159990000 | +26,67     | -16,85    |
| 216510000 | +16,82     | -29,20    |
| 297330000 | +22,53     | -23,49    |

24078627\_2

Panozzo 24078628



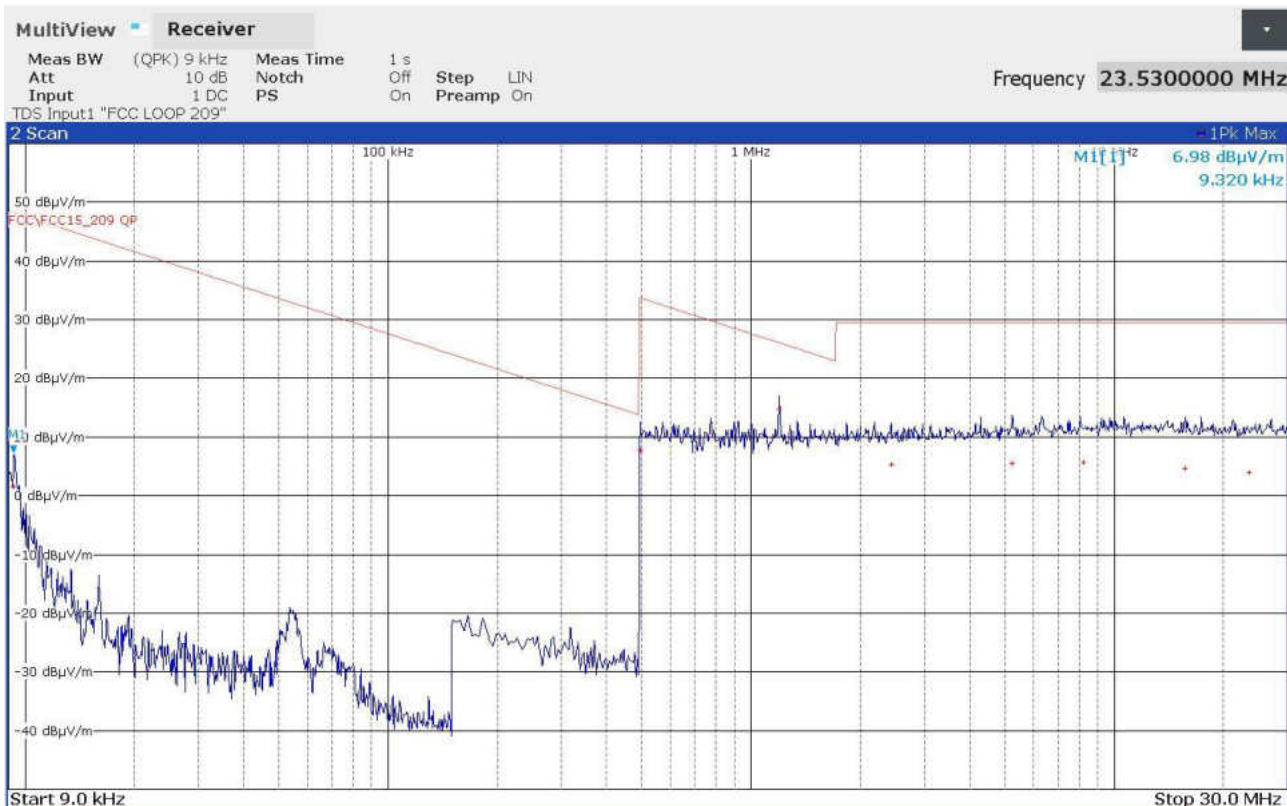
### FINAL RESULT TABLE

#### QUASI PEAK

| Freq Hz   | Lev dBuV/m | Margin dB |
|-----------|------------|-----------|
| 31410000  | +17,42     | -22,58    |
| 43560000  | +16,39     | -23,61    |
| 57420000  | +12,07     | -27,93    |
| 92610000  | +10,99     | -32,53    |
| 120960000 | +12,77     | -30,75    |
| 165720000 | +14,77     | -28,75    |
| 217800000 | +16,77     | -29,25    |
| 299850000 | +22,29     | -23,73    |

24078628\_2

Panozzo 24078629



### FINAL RESULT TABLE

#### QUASI PEAK

| Freq Hz  | Lev dBuV/m | Margin dB |
|----------|------------|-----------|
| 9320     | +1,57      | -46,65    |
| 494000   | +7,70      | -26,03    |
| 1194000  | +14,74     | -11,32    |
| 2430000  | +5,35      | -24,19    |
| 5246000  | +5,45      | -24,09    |
| 8214000  | +5,65      | -23,89    |
| 15674000 | +4,68      | -24,86    |
| 23530000 | +3,91      | -25,63    |

24078629\_2

#### 9.4 Peak Output Power

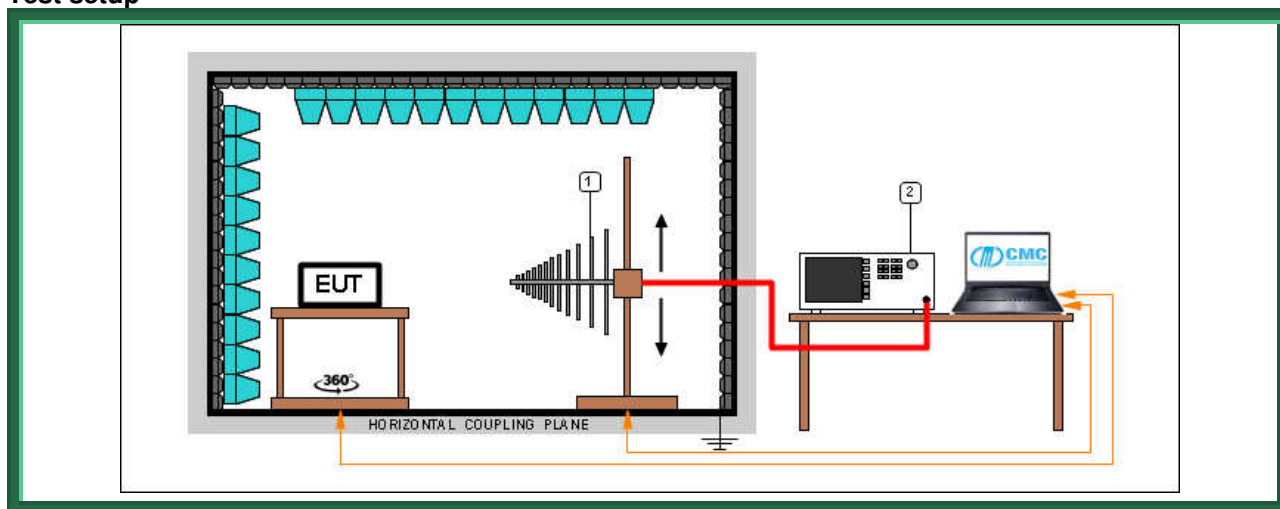
|                                             |                                                          |
|---------------------------------------------|----------------------------------------------------------|
| Tested by .....                             | C. Panozzo                                               |
| Test date .....                             | 05.09.2024                                               |
| Test location (stand) .....                 | Semi-anechoic chamber (CMC A070)                         |
| Product standard(s) .....                   | FCC Rules and Regulation; Titles 47 Part. 15.209 and 249 |
| Supplementary test set-up description ..... | EUT – antenna distance: 10 m                             |
| Supplementary information .....             | --                                                       |

#### Acceptance limits

| Frequency range (MHz) | RF Power Output (mV/m) | RF Power Output dB(μV/m) |
|-----------------------|------------------------|--------------------------|
| 902 – 928             | 50                     | 94                       |

| Frequency range (MHz) | RF Power Output (mV/m) | RF Power Output dB(μV/m) |
|-----------------------|------------------------|--------------------------|
| 2400 – 2483,5         | 50                     | 94                       |

#### Test setup



#### Test setup PE004\_03

| Nr. | Id. Number | Manufacturer    | Model       | Serial number | Description       | Last calibration date | Calibration expiration |
|-----|------------|-----------------|-------------|---------------|-------------------|-----------------------|------------------------|
| 2   | CMC S353   | Rohde & Schwarz | ESW26       | 101492        | Emi Test Receiver | December 2023         | December 2024          |
| 1   | CMC S287   | Schwarzbeck     | VUSLP 9111B | 9111B-203     | Broadband Antenna | August 2022           | August 2025            |

## Result

| Transmission frequency (MHz) | Polarization | Graphs    | Measured level (dBμV/m) | Limit (dBμV/m) | Peak Output Power (mW) |
|------------------------------|--------------|-----------|-------------------------|----------------|------------------------|
| 915,05                       | Worst case   | G24078630 | 93,94                   | 94,00          | 8,26                   |
| 921,05                       | Worst case   | G24078635 | 93,95                   | 94,00          | 8,28                   |
| 927,75                       | Worst case   | G24078638 | 93,93                   | 94,00          | 8,24                   |

## Remarks

$$P = (E \times d)^2 / (30 \times G)$$

Where:

E = the measured maximum fundamental field strength in V/m

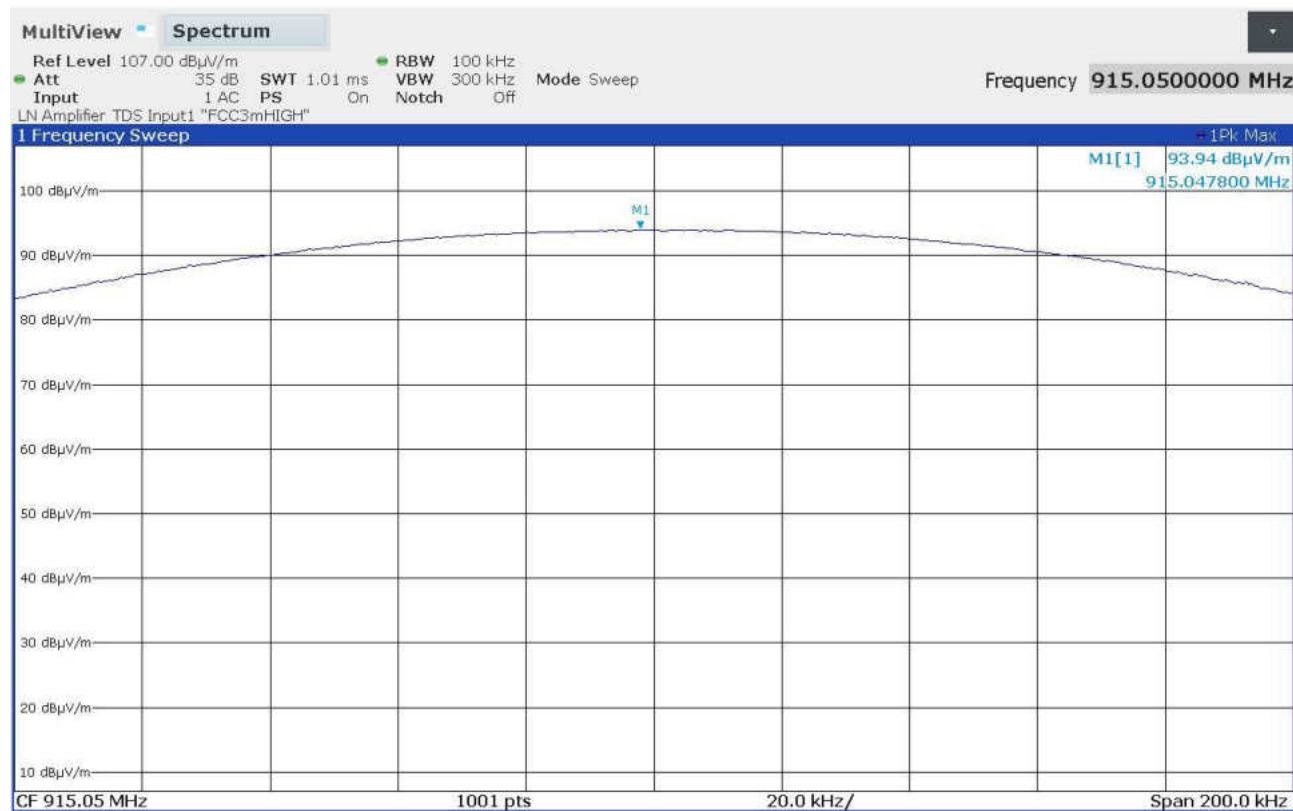
G = the numeric gain of the transmitting antenna: 1 (0 dBi)

d = the distance in meters from which the field strength was measured (10 m)

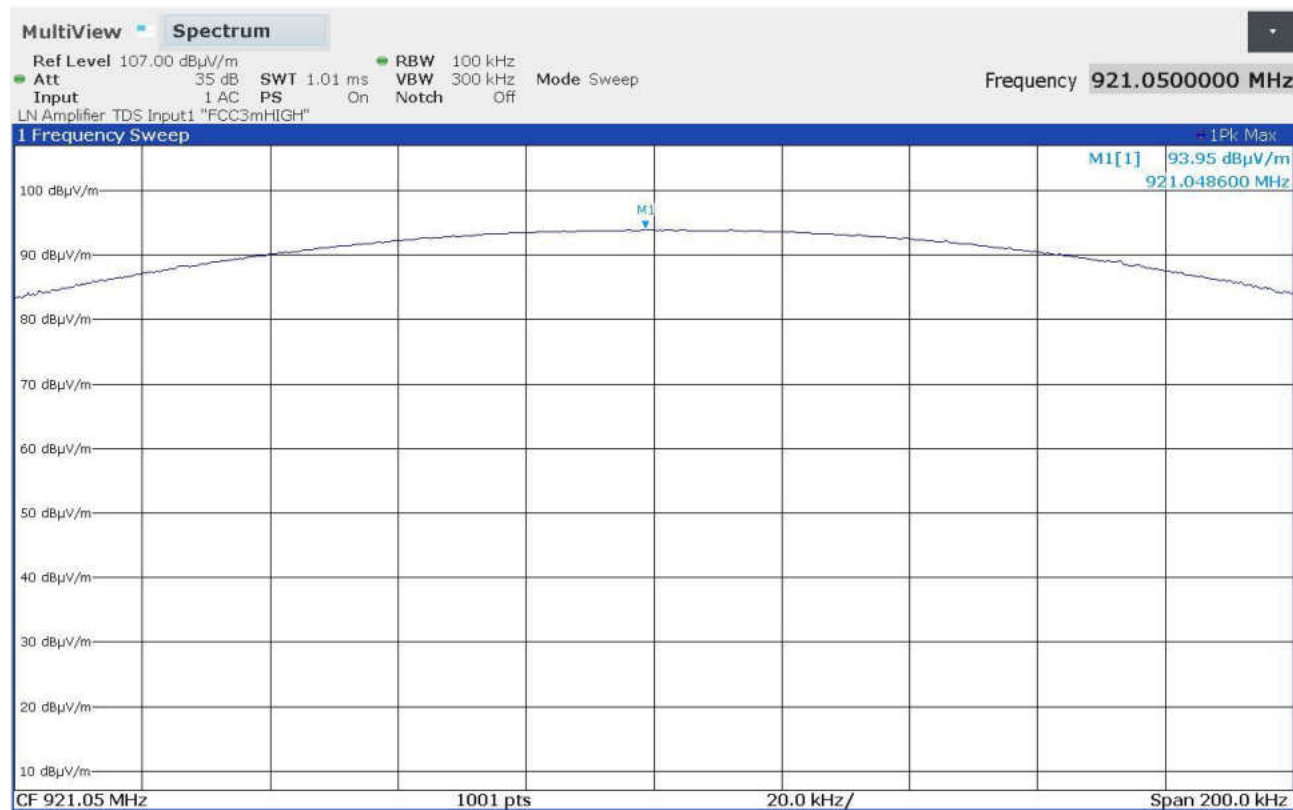
P = the power in watts

## Graphs

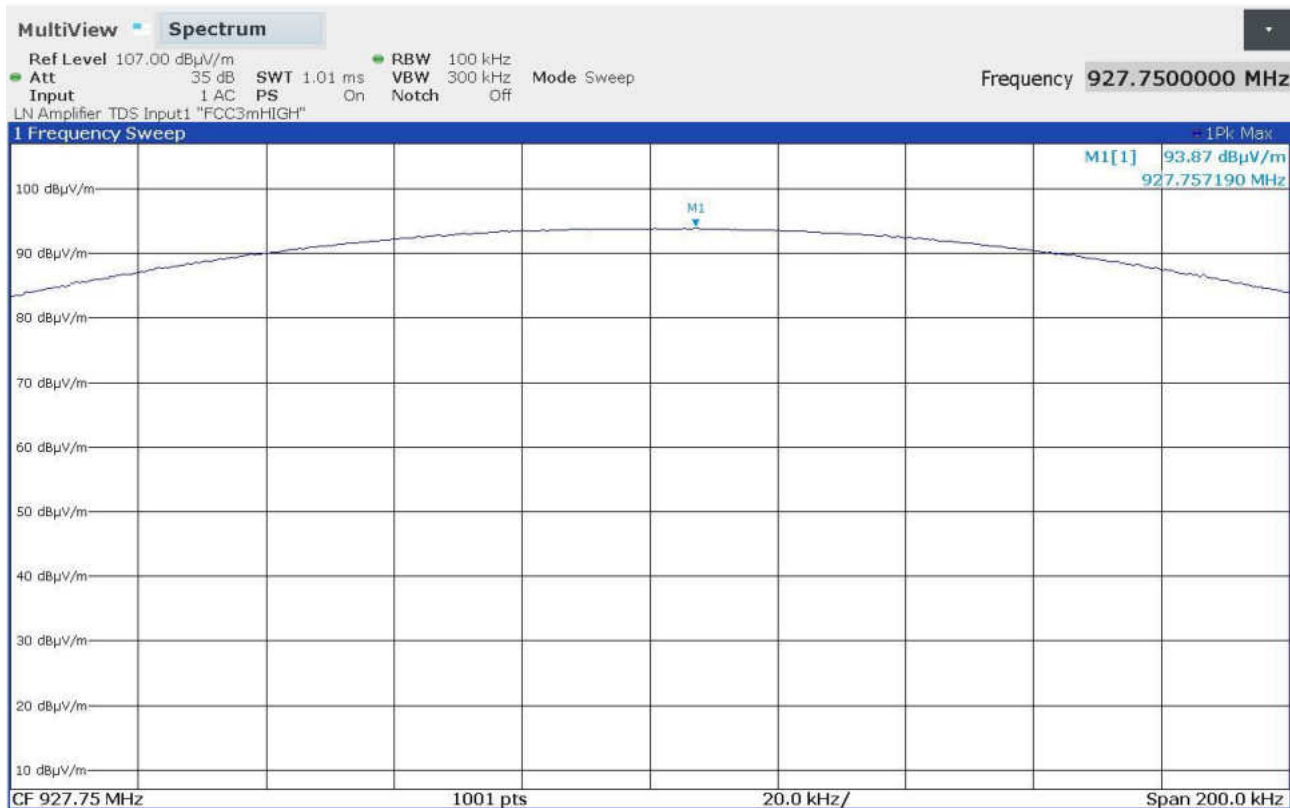
Panozzo 24078630



Panozzo 24078635



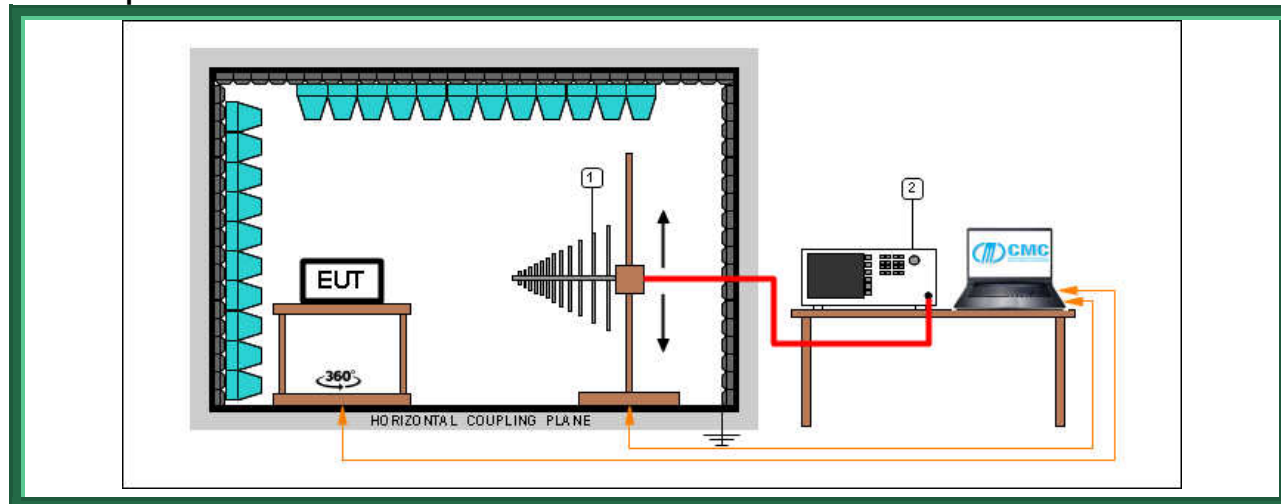
Panozzo 24078638



## 9.5 20 dB bandwidth

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tested by .....             | C. Panozzo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Test date .....             | 05.09.2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Test location (stand) ..... | Semi-anechoic chamber (CMC A070)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Basic standard(s) .....     | ANSI C63.10 cl. 7.8.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Product standard(s) .....   | FCC Rules and Regulation; Titles 47 Part. 15.215 (c)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Test specification .....    | Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. In the case of intentional radiators operating under the provisions of subpart E, the emission bandwidth may span across multiple contiguous frequency bands identified in that subpart. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation |

## Test setup



Test setup PE004\_03

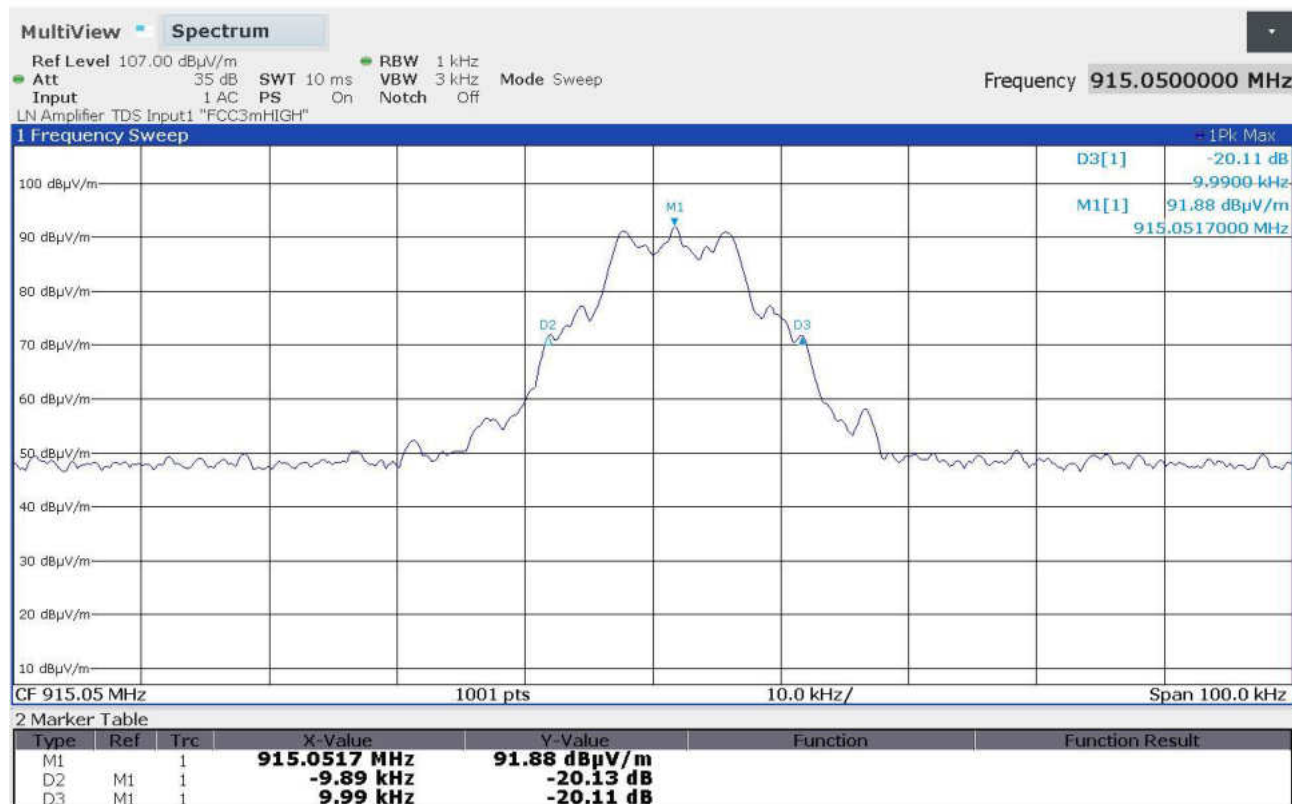
| Nr. | Id. Number | Manufacturer    | Model       | Serial number | Description       | Last calibration date | Calibration expiration |
|-----|------------|-----------------|-------------|---------------|-------------------|-----------------------|------------------------|
| 2   | CMC S353   | Rohde & Schwarz | ESW26       | 101492        | Emi Test Receiver | December 2023         | December 2024          |
| 1   | CMC S287   | Schwarzbeck     | VUSLP 9111B | 9111B-203     | Broadband Antenna | August 2022           | August 2025            |

**Result**

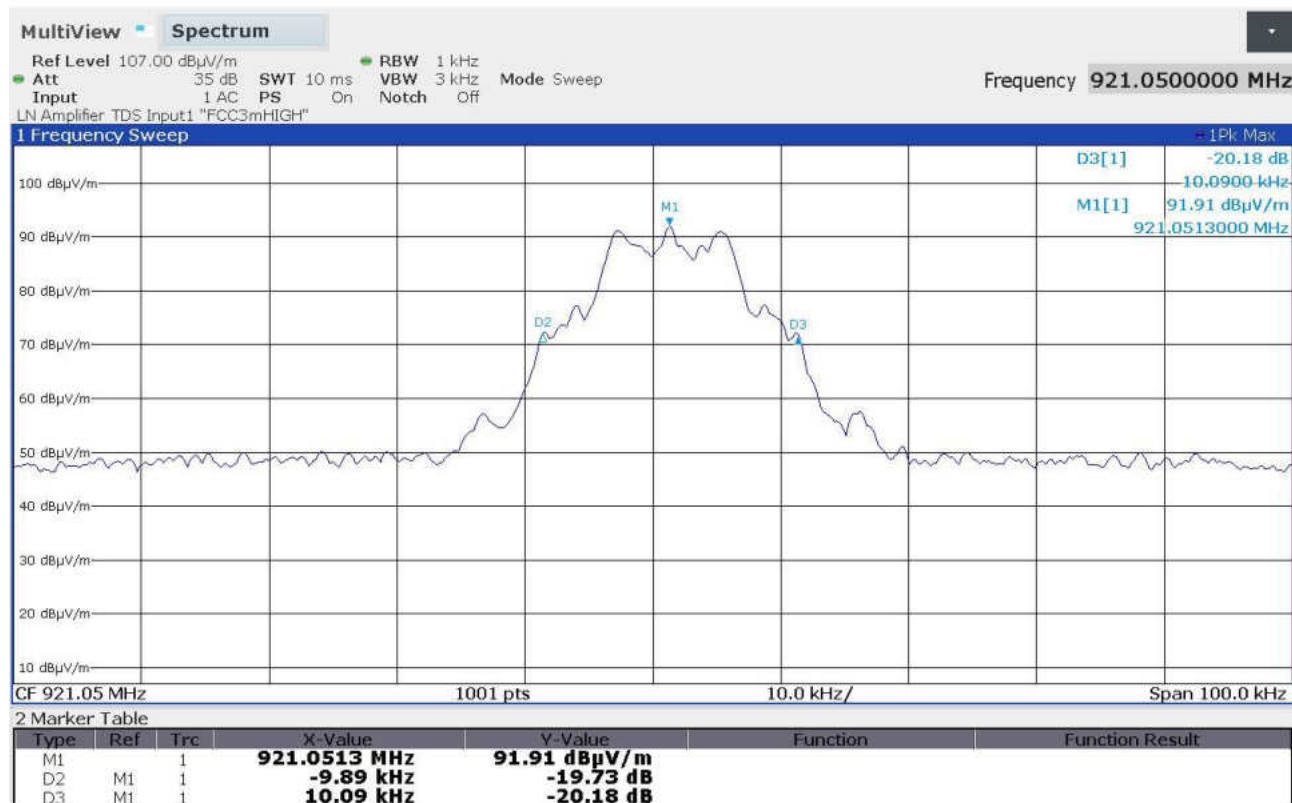
| <i>Transmission frequency (MHz)</i> | <i>Graphs</i> | <i>20 dB bandwidth (MHz)</i> | <i>Limits (MHz)</i> | <i>Results</i> |
|-------------------------------------|---------------|------------------------------|---------------------|----------------|
| 915,05                              | G24078631     | 915,04 – 915,06              | 902 – 928           | Complies       |
| 921,05                              | G24078636     | 921,04 – 921,06              | 902 – 928           | Complies       |
| 927,75                              | G24078639     | 927,74 – 927,61              | 902 – 928           | Complies       |

## Graphs

Panozzo 24078631



Panozzo 24078636



Panozzo 24078639



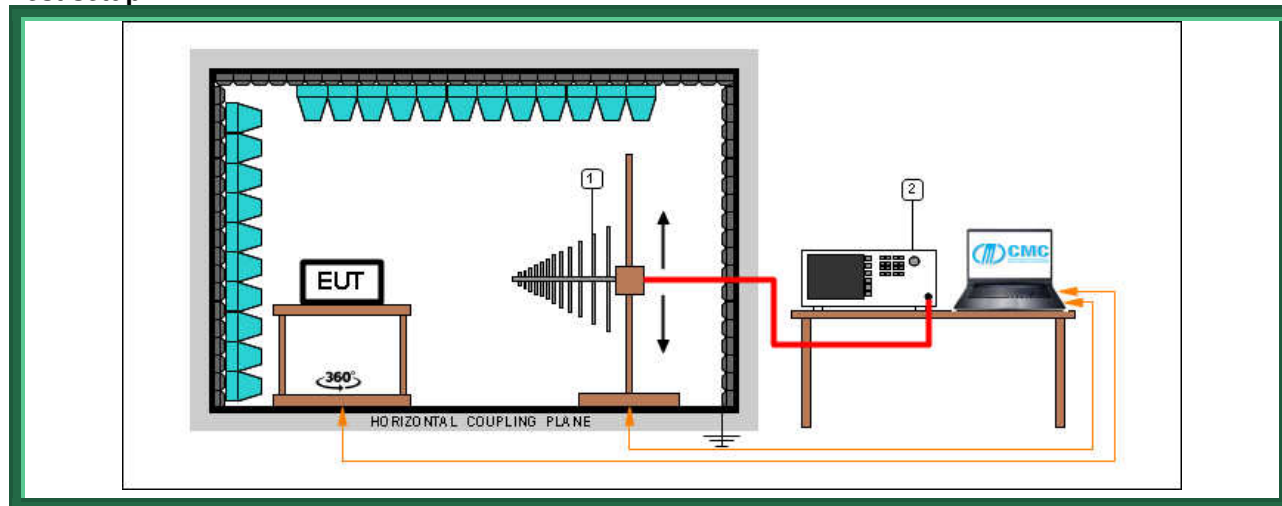
## 9.6 Band edge

|                             |                                                                                                                                                                                                                                                         |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tested by .....             | C. Panozzo                                                                                                                                                                                                                                              |
| Test date .....             | 05.09.2024                                                                                                                                                                                                                                              |
| Test location (stand) ..... | Semi-anechoic chamber (CMC A070)                                                                                                                                                                                                                        |
| Product standard(s) .....   | FCC Rules and Regulation; Titles 47 Part. 15.249 (d)                                                                                                                                                                                                    |
| Test specification .....    | Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in § 15.209, whichever is the lesser attenuation |

### Acceptance limits

Operation within the band 902 – 928 MHz

### Test setup



Test setup PE004\_03

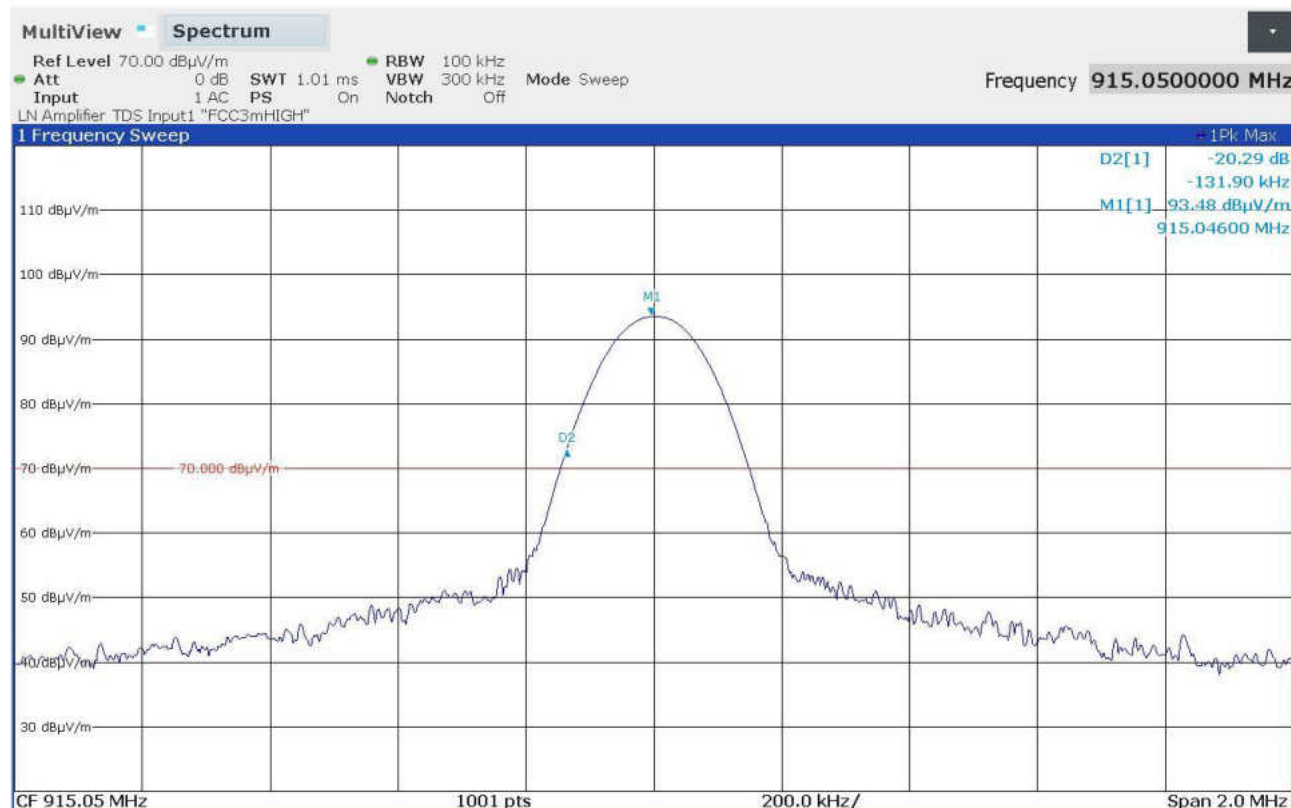
| Nr. | Id. Number | Manufacturer    | Model       | Serial number | Description       | Last calibration date | Calibration expiration |
|-----|------------|-----------------|-------------|---------------|-------------------|-----------------------|------------------------|
| 2   | CMC S353   | Rohde & Schwarz | ESW26       | 101492        | Emi Test Receiver | December 2023         | December 2024          |
| 1   | CMC S287   | Schwarzbeck     | VUSLP 9111B | 9111B-203     | Broadband Antenna | August 2022           | August 2025            |

### Result

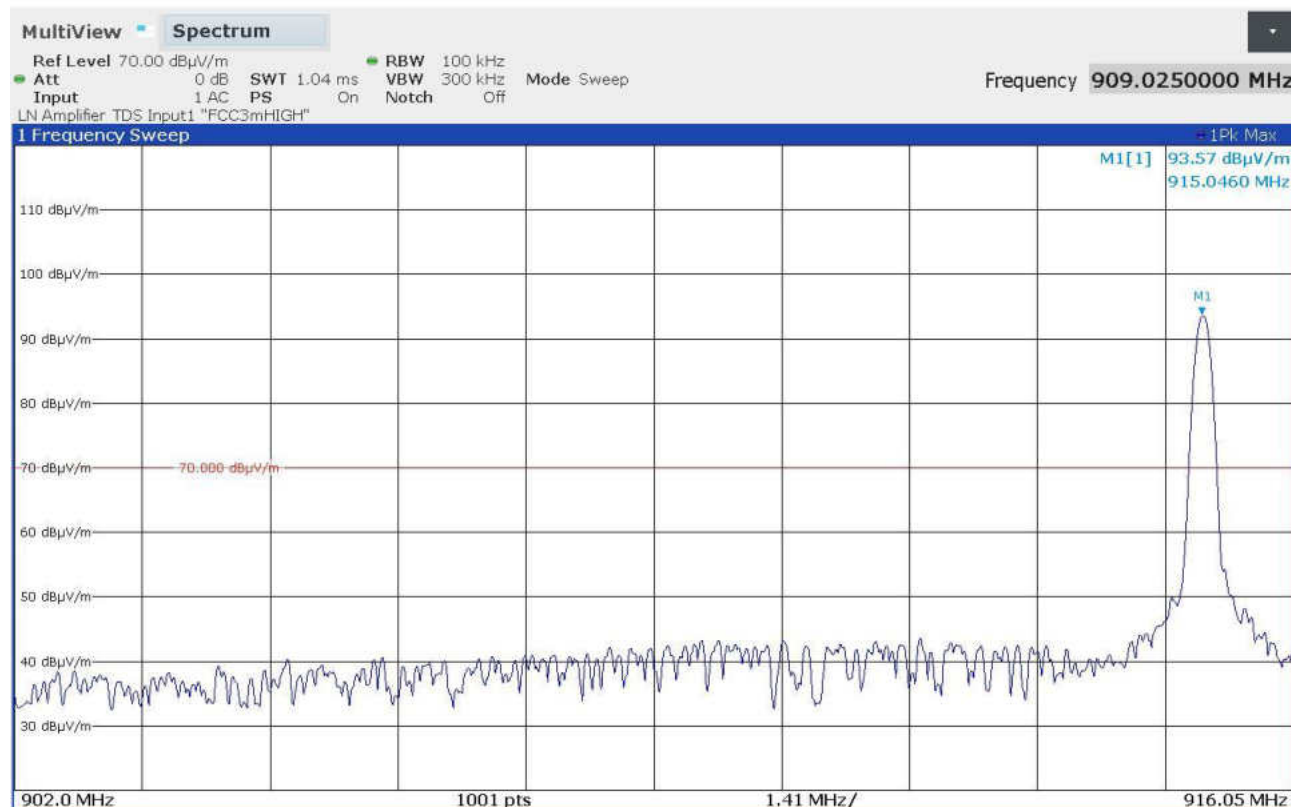
| Transmission frequency (MHz) | Graph(s)  | Results                       |          |
|------------------------------|-----------|-------------------------------|----------|
| 915,05                       | G24078633 | F <sub>L</sub> : 914,9141 MHz | Complies |
|                              | G24078634 |                               |          |
| 927,75                       | G24078641 | F <sub>H</sub> : 927,8882 MHz | Complies |
|                              | G24078642 |                               |          |

## Graphs

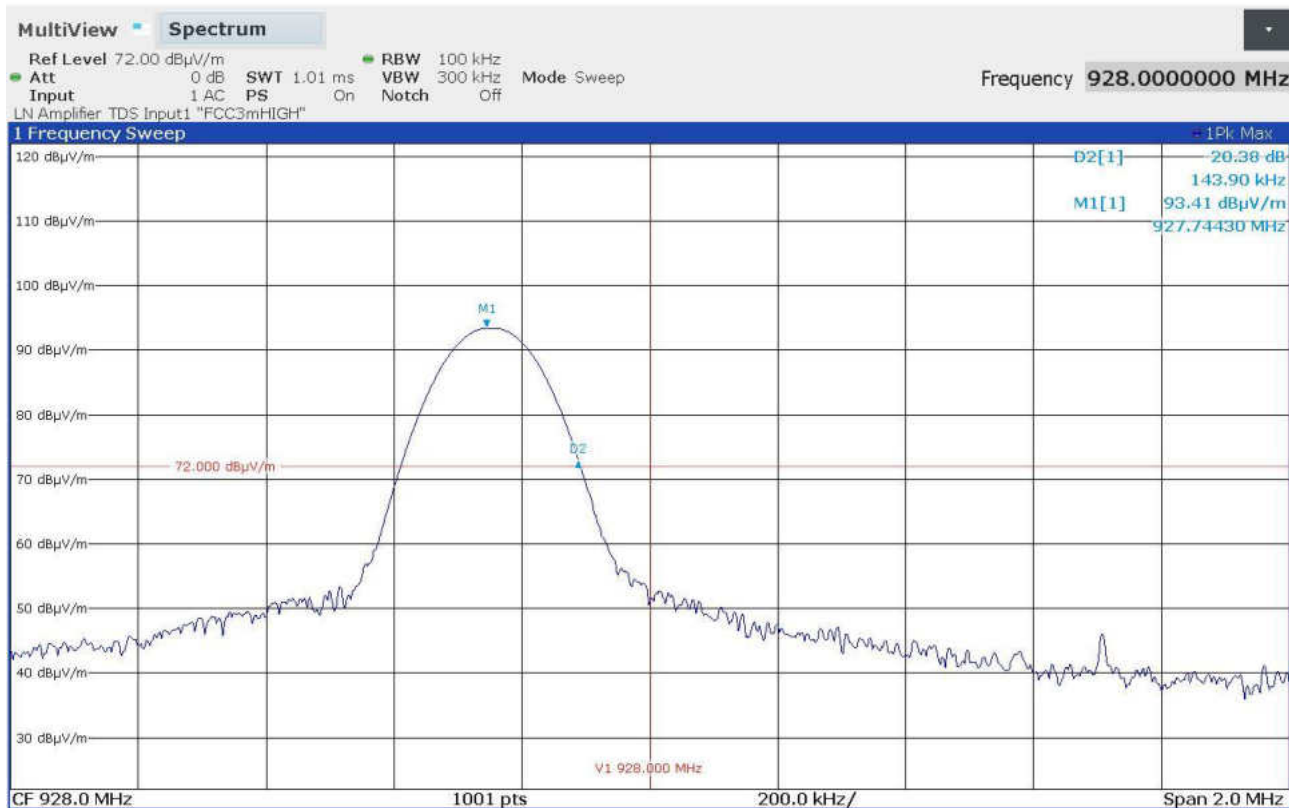
Panozzo 24078633



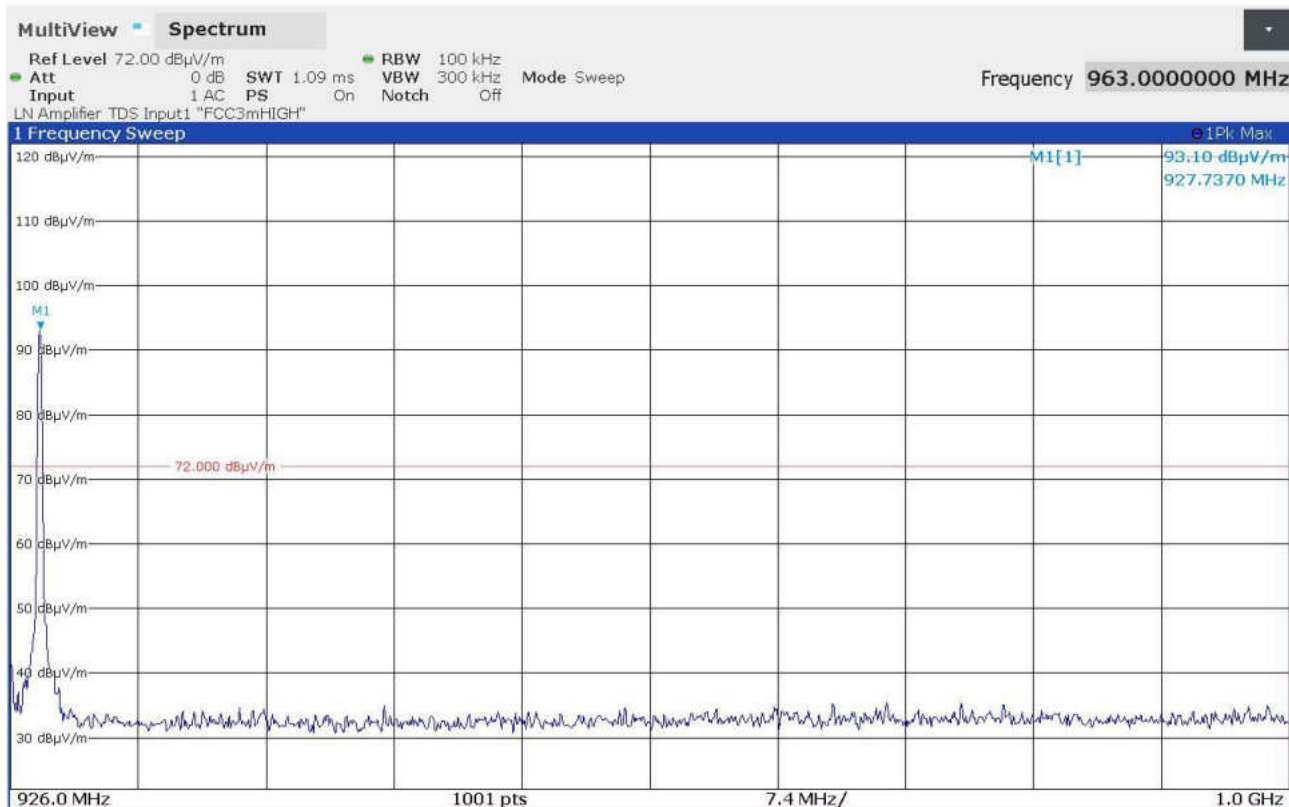
Panozzo 24078634



Panozzo 24078641



Panozzo 24078642



## Attachment 1

### Measurement uncertainty

| Test                                                      | Test Setup | Expanded uncertainty |   |                   | Note |
|-----------------------------------------------------------|------------|----------------------|---|-------------------|------|
| Conducted emission CISPR 16<br>LISN 50uH 0,009-0,0150 MHz | PE001_01   |                      |   | 3,6 dB            | 1    |
| Conducted emission CISPR 16<br>LISN 50uH 0,150-30,0 MHz   | PE001_01   |                      |   | 2,9 dB            | 1    |
| Conducted emission CISPR 16<br>Voltage Probe 0,15-30 MHz  | PE001_02   |                      |   | 2,3 dB            | 1    |
| Conducted emission CISPR 16<br>Current Probe 0,15-30 MHz  | PE001_03   |                      |   | 2,5 dB            | 1    |
| Conducted emission CISPR 16<br>ISN 0,15-30 MHz            | PE001_04   |                      |   | 4,7 dB            | 1    |
| Clic CISPR 16<br>LISN 50uH 0,150-30,0 MHz                 | PE001_05   |                      |   | 2,9 dB            | 1    |
| Radiated Emission CDNE<br>30-300 MHz                      | PE001_06   |                      |   | 3,3 dB            | 1    |
| Disturbance Power<br>30-300 MHz                           | PE002_X1   |                      |   | 3,8 dB            | 1    |
| Radiated Emission LAS<br>0,15-30 MHz                      | PE003_01   |                      |   | 2,0 dB            | 1    |
| Radiated Emission CISPR 16<br>Loop Ant. 0,15-30 MHz       | PE004_X1   |                      |   | 4,1 dB            | 1    |
| Radiated Emission CISPR 16<br>Bicon. Ant. 30-300 MHz      | PE004_X2   |                      |   | 4,7 dB            | 1    |
| Radiated Emission CISPR 16<br>LogP. Ant. 300-1000 MHz     | PE004_X3   |                      |   | 4,6 dB            | 1    |
| Radiated Emission CISPR 16<br>Horn Ant. 1-18 GHz          | PE004_X4   |                      |   | 4,7 dB            | 1    |
| Human Exposure to electromagnetic fields                  | PE005_01   |                      |   | 14,2 %            | 1    |
| Harmonics                                                 | PE006_01   | 10 mA                | + | 2,9 %             | 1    |
| Flicker                                                   | PE007_01   |                      |   | 3,40 %            | 1    |
| Radiated Immunity<br>80 MHz - 6 GHz                       | PE102_XX   | 2,26 dB              |   | 0,89 V/m a 3V/m   | 1    |
| Conducted Immunity<br>0,15 - 230 MHz                      | PE105_XX   | 1,26 dB              |   | 0,47 V a 3V       | 1    |
| AC Magnetic field                                         | PE106_01   | 1,55 %               |   | 0,15 A/m a 10A/m  | 1    |
| Pulse Magnetic field                                      | PE107_01   | 6,21 %               |   | 18,6 A/m a 300A/m | 1    |
| Dumped Magnetic field                                     | PE108_01   | 6,21 %               |   | 1,86 A/m a 30A/m  | 1    |
| Common mode conducted immunity                            | PE112_01   | 2,11 %               |   | 0,21 V a 10V      | 1    |

## Attachment 1

| Test                                       | Test Setup  | Expanded uncertainty | Note |
|--------------------------------------------|-------------|----------------------|------|
| Power/Spurious<br>9kHz-30MHz               | PR001_X1    | 4,1 dB               | 1    |
| Power/Spurious ERP<br>30-1000MHz d=10m/3m  | PR001_X2+X3 | 4,8 dB               | 1    |
| Misura della potenza EIRP<br>1-18GHz d=3m  | PR001_X4+X5 | 4,7 dB               | 1    |
| Misura della potenza EIRP<br>18-40GHz d=3m | PR001_X6    | 5,1 dB               | 1    |
| Frequency error                            | PR002_01+02 | < 1x10 <sup>-7</sup> | 1    |
| Timing zero span (1001pts.)                | PR002_01+02 | 0,2 % SWT            | 1    |
| Modulation bandwidth                       | PR002_01+02 | < 1x10 <sup>-7</sup> | 1    |
| Conducted RF power and spurious emission   | PR002_01+02 | 1,1 dB               | 1    |
| Adjacent channel power                     | PR002_01+02 | 1,1 dB               | 1    |
| Blocking                                   | PR002_01+02 | 1,1 dB               | 1    |

| Test                                             | Test Setup | Expanded uncertainty | Note |
|--------------------------------------------------|------------|----------------------|------|
| Electrostatic discharge immunity test            | PE101_0X   |                      | 2    |
| Electrical fast transients / burst immunity test | PE103_0X   |                      | 2    |
| Surge immunity test                              | PE104_0X   |                      | 2    |
| Short interruption immunity test                 | PE109_01   |                      | 2    |
| Ring Wave immunity test                          | PE110_01   |                      | 2    |
| Low frequency immunity test                      | PE111_01   |                      | 2    |
| Dumped Oscillatory immunity test                 | PE113_01   |                      | 2    |

Rev 24\_01 date 03/02/2024

### Note 1:

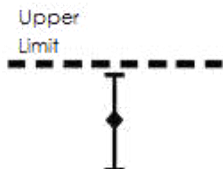
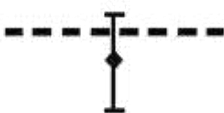
The expanded uncertainty reported according to the document EA-4-02 is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of p = 95%

### Note 2:

It has been demonstrated that the used test equipment meets the specified requirements in the standard with at least a 95% confidence, covering factor k=2

## Attachment 1

### Judgement of compliance

| Case 1                                                                                                                                                                                                                                                       | Case 2                                                                                                                                                                                                                                                                                              | Case 3                                                                                                                                                                                                                                                                                                  | Case 4                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>The sample complies with the requirements.</p> <p>The measurement results is within the specification limit when the measurement uncertainty is taken into account.</p> |  <p>The sample complies with the requirements.</p> <p>It is not possible to state compliance using a 95% coverage probability for the expanded uncertainty although the measurement result is below the limit.</p> |  <p>The sample does not comply with the requirements.</p> <p>It is not possible to state compliance using a 95% coverage probability for the expanded uncertainty also the measurement result is upper the limit.</p> |  <p>The sample does not comply with the requirements.</p> <p>The measurement results is outside the specification limit when the measurement uncertainty is taken into account.</p> |

In agreement with ILAC-G8:09/2019 cl.4.2.1 Guidelines on Decision Rules and Statements of Conformity

### Quality manual references – Internal procedure

|                                                           |                                     |
|-----------------------------------------------------------|-------------------------------------|
| Internal Procedure PM001 rev. 4.0 (Quality Manual) .....  | Measure procedure                   |
| Internal Procedure INC_M rev. 10.0 (Quality Manual) ..... | Measurement uncertainty calculation |