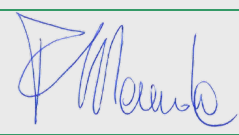


## Test report nr. R25186301

### Federal Communication Commission (FCC)

|                                           |                                                                                                                                                                                                              |                                                                                       |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Customer                                  | Autec S.r.l.<br>Via Pomaroli, 65 – 36030 Caldogno (VI) – Italy                                                                                                                                               |                                                                                       |
| (#) FCC ID                                | OQA-AX0A01Z0W1                                                                                                                                                                                               |                                                                                       |
| (#) Description of item tested            | Remote station                                                                                                                                                                                               |                                                                                       |
| (#) Trademark                             | Autec                                                                                                                                                                                                        |                                                                                       |
| (#) Model and/or type reference           | Model AX0A0 Type 1Z0W1                                                                                                                                                                                       |                                                                                       |
| (#) Manufacturer                          | Autec S.r.l.<br>Via Pomaroli, 65 – 36030 Caldogno (VI) – Italy                                                                                                                                               |                                                                                       |
| (#) Rating(s)                             | 3,7 Vdc from battery                                                                                                                                                                                         |                                                                                       |
| Test method requested, standard(s)        | FCC Rules & Regulations, Title 47:2024<br>Part 15 paragraph(s): 203, 204, 205, 207, 209, 215 and 247                                                                                                         |                                                                                       |
| Tested by (name / position & signature)   | S. Zanivan<br><i>Technician</i>                                                                                                                                                                              |  |
| Approved by (name / position & signature) | F. Marenda<br><i>Laboratory manager</i>                                                                                                                                                                      |  |
| Date of issue                             | 12.11.2025                                                                                                                                                                                                   |                                                                                       |
| General disclaimer                        | The test results presented in this report relate only to the item tested.<br><br>This report shall not be reproduced, except in full, without the written approval of DEKRA Testing and Certification S.r.l. |                                                                                       |
| Report template No                        | 15-247_Hopping_DEKRA                                                                                                                                                                                         |                                                                                       |

(#) information provided by the customer

## Summary

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## Competences and guarantees

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In order to assure the traceability to other national and international laboratories, DEKRA Testing and Certification S.r.l. has a calibration and maintenance program for its measurement equipment.

DEKRA Testing and Certification S.r.l. guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated on the report and, it is based on the knowledge and technical facilities available at DEKRA Testing and Certification S.r.l. at the time of performance of the test.

DEKRA Testing and Certification S.r.l. is liable to the customer for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

## General conditions

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1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or competent Authorities.
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4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA Testing and Certification S.r.l. and the Accreditation Bodies.

## Data provided by the customer

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Information relating to the description of the sample, components list, and software/hardware version (if reported) are provided by the customer/manufacture. DEKRA Testing and Certification S.r.l. cannot be considered responsible for this information, for any other document provided by the customer/manufacture and for any difference between the software/hardware release present in the tested sample and that present in the object intended for final sale.

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.

## Reference standards

| Standard(s)                                                          | Description                                                                                                                                                                              |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FCC Rules and Regulation Title 47 part 15:2024                       | --                                                                                                                                                                                       |
| KDB 558074 D01 15.247 Meas Guidance v05r02                           | Guidance for compliance measurements on Digital Transmission System, Frequency Hopping Spread Spectrum System, and Hybrid System Devices operating under section 15.247 of the FCC rules |
| 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 C63.10:2020 + COR1:2023 + C63.10A:2024 + Errata to C63.10A:2024 | American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices                                                                                           |

## Usage of samples

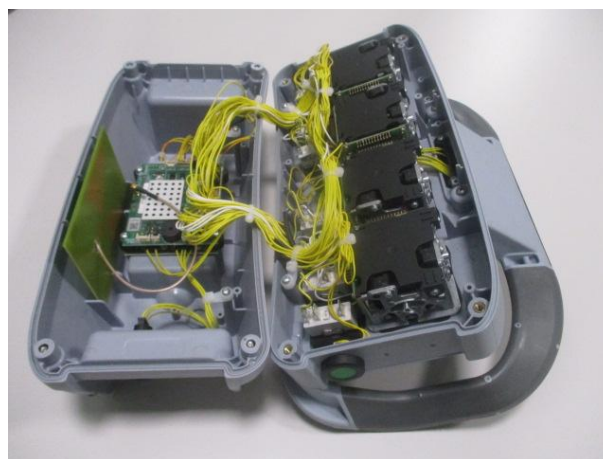
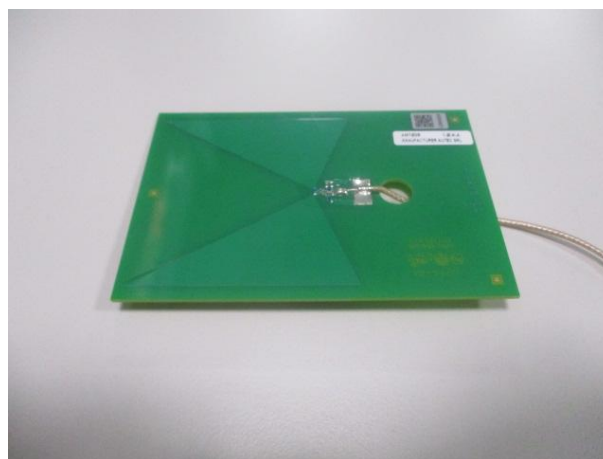
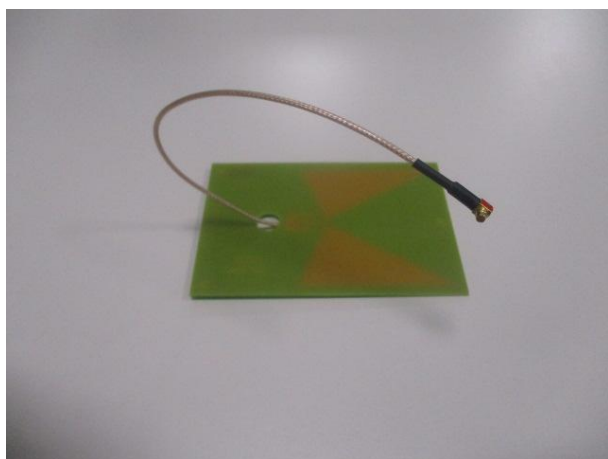
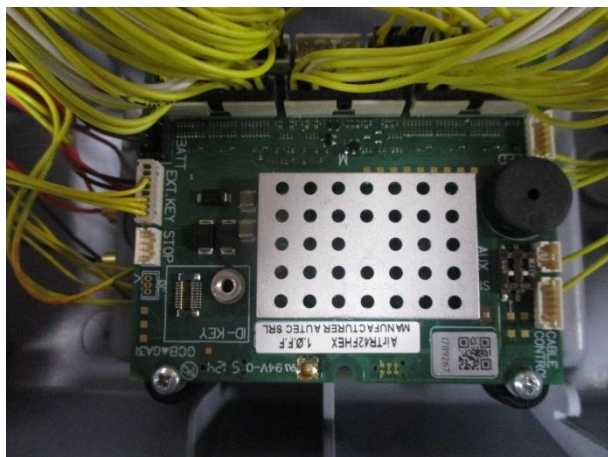
Sample(s) used for testing chosen by the customer; DEKRA Testing and Certification S.r.l. cannot be considered responsible for the selection of the sample(s).

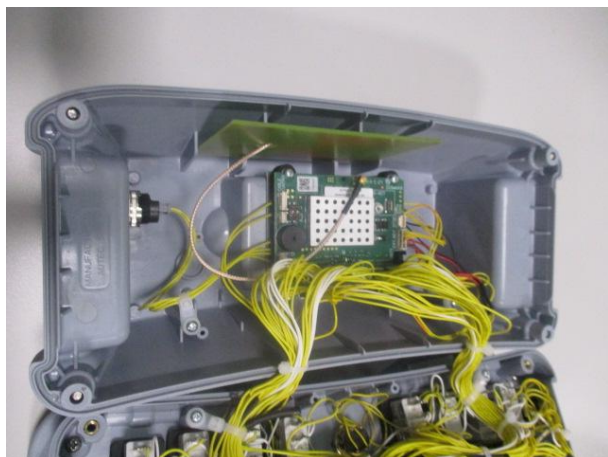
| Internal identification | Serial number/Customer Id | Date of reception | Notes |
|-------------------------|---------------------------|-------------------|-------|
| P251024                 | --                        | 29.09.2025        | --    |

## Test sample description

|                                                           |                                                         |                                                  |                          |                          |                          |                          |                          |
|-----------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Test power supply .....                                   | Voltage and Frequency                                   |                                                  | Reference poles          |                          |                          |                          |                          |
|                                                           |                                                         |                                                  | L1                       | L2                       | L3                       | N                        | PE                       |
|                                                           | <input type="checkbox"/>                                | AC:                                              | <input type="checkbox"/> | <input 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 checked="" type="checkbox"/>                     | DC: 3,7 V from battery                           |                          |                          |                          |                          |                          |
|                                                           | <input type="checkbox"/>                                | DC:                                              |                          |                          |                          |                          |                          |
| Frequency band(s) .....                                   | 902 – 928 MHz                                           |                                                  |                          |                          |                          |                          |                          |
| Nominal frequencies .....                                 | 915,050 MHz<br>921,400 MHz<br>927,800 MHz               |                                                  |                          |                          |                          |                          |                          |
| Pseudo randomly ordered list of hopping frequencies ..... | See document ax0a0_1z0w1_operational_description-rev.00 |                                                  |                          |                          |                          |                          |                          |
| Type of equipment .....                                   | <input checked="" type="checkbox"/>                     | Transmitter unit                                 |                          |                          |                          |                          |                          |
|                                                           | <input checked="" type="checkbox"/>                     | Receiver unit                                    |                          |                          |                          |                          |                          |
| Type of station .....                                     | <input checked="" type="checkbox"/>                     | Portable station                                 |                          |                          |                          |                          |                          |
|                                                           | <input type="checkbox"/>                                | Mobile station                                   |                          |                          |                          |                          |                          |
| Mounting position .....                                   | <input type="checkbox"/>                                | Table top equipment                              |                          |                          |                          |                          |                          |
|                                                           | <input type="checkbox"/>                                | Wall/Ceiling mounted equipment                   |                          |                          |                          |                          |                          |
|                                                           | <input type="checkbox"/>                                | Floor standing equipment                         |                          |                          |                          |                          |                          |
|                                                           | <input type="checkbox"/>                                | Hand-held equipment                              |                          |                          |                          |                          |                          |
|                                                           | <input checked="" type="checkbox"/>                     | Other, for example rack mounted, body worn, etc. |                          |                          |                          |                          |                          |
| Operating modes .....                                     | N.                                                      | Operating mode of test item                      |                          |                          |                          |                          |                          |
|                                                           | 1                                                       | EUT in continuous transmission at maximum power  |                          |                          |                          |                          |                          |

## Photos of the test item







## Testing period and place

|                         |                                        |
|-------------------------|----------------------------------------|
| Test Location           | DEKRA Testing and Certification S.r.l. |
| FCC Registration Number | 182474                                 |
| Date (start)            | 02.10.2025                             |
| Date (finish)           | 13.10.2025                             |

## Document history

| Report number | Date       | Description   |
|---------------|------------|---------------|
| R25186301     | 12.11.2025 | First release |

## List of attachments

| Name         | Description                                                                    |
|--------------|--------------------------------------------------------------------------------|
| Attachment 1 | Measurement uncertainty, judgement of compliance and quality manual references |

## Environmental 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.

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.

Environmental conditions have been monitored with the following instruments:

| Id. number | Manufacturer | Model | Serial number   | Description | Last calibration date | Calibration expiration |
|------------|--------------|-------|-----------------|-------------|-----------------------|------------------------|
| CMC S302   | Testo        | 175H1 | 40370182<br>610 | Data Logger | May 2025              | May 2026               |

## Remarks and comments

Throughout this report a comma is used as the decimal separator.

Tests reported in this test report marked by wording: "Test not accredited by ACCREDIA" are not part of the ACCREDIA accreditation of this laboratory.

## Deviations from test specification

None.

## Testing verdicts

|                      |                                                   |
|----------------------|---------------------------------------------------|
| N/A (Not Applicable) | Test case does not apply to the test object       |
| P (Pass)             | Test object meets the requirement                 |
| F (Fail)             | Test object does not meet the requirement         |
| N/E (Not Executed)   | Test object was not evaluated for the requirement |

## Verdict summary

| FCC Rules & Regulations, Title 47:2024<br>Part 15 paragraph(s): 203, 204, 205, 207, 209, 215 and 247 |                                                     |                |                |
|------------------------------------------------------------------------------------------------------|-----------------------------------------------------|----------------|----------------|
| Clause                                                                                               | Requirement – Test case                             | Basic standard | Verdict        |
| Part 15.247 (a) (1)                                                                                  | Pseudo randomly ordered list of hopping frequencies | --             | <b>P</b>       |
| Part 15.203                                                                                          | Antenna requirements                                | ANSI C63.10    | <b>P</b>       |
| Part 15.207                                                                                          | Conducted emissions                                 | ANSI C63.10    | <b>N/A (+)</b> |
| Part 15.209                                                                                          | Radiated emissions and spurious emissions           | ANSI C63.10    | <b>P</b>       |
| Part 15.247                                                                                          | 20 dB Bandwidth                                     | ANSI C63.10    | <b>P</b>       |
| Part 15.247                                                                                          | Channel Separation                                  | ANSI C63.10    | <b>P</b>       |
| Part 15.247                                                                                          | Number of Hopping Channel                           | ANSI C63.10    | <b>P</b>       |
| Part 15.247                                                                                          | Time of occupancy                                   | ANSI C63.10    | <b>P</b>       |
| Part 15.247                                                                                          | Band edge                                           | ANSI C63.10    | <b>P</b>       |
| Part 15.209 and 15.247                                                                               | Peak Output Power                                   | ANSI C63.10    | <b>P</b>       |

(+) Devices which only employ battery power. See FCC Part 15.207 (c)

## Test results

### Antenna requirements

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Tested by .....                     | S. Zanivan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |
| Test date .....                     | 02.10.2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |
| 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 .....                  | -0,35 dBi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |
| External R.F. power amplifier ..... | Not Present                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |

## Emissions in restricted frequency bands and in unrestricted frequency bands

|                                            |                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tested by .....                            | S. Zanivan                                                                                                                                                                                                                                                                                                                                           |
| Test date .....                            | 02.10.2025                                                                                                                                                                                                                                                                                                                                           |
| 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                                                                                                                                                                                                                                                                                                     |
| Test set-up description.....               | <input checked="" type="checkbox"/> Table top equipment set-up (80 cm above the reference ground plane)<br><input type="checkbox"/> Floor standing equipment set-up (insulating material up to 12 mm thick)<br><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 Verdict 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                           |

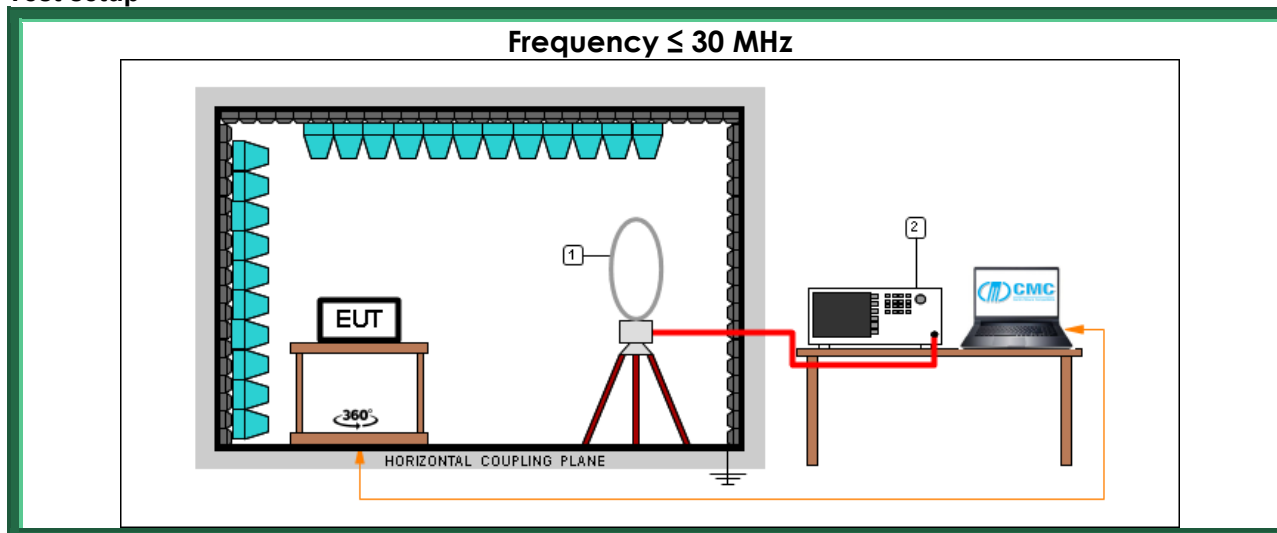
The restricted frequency bands are listed in the following table:

| 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

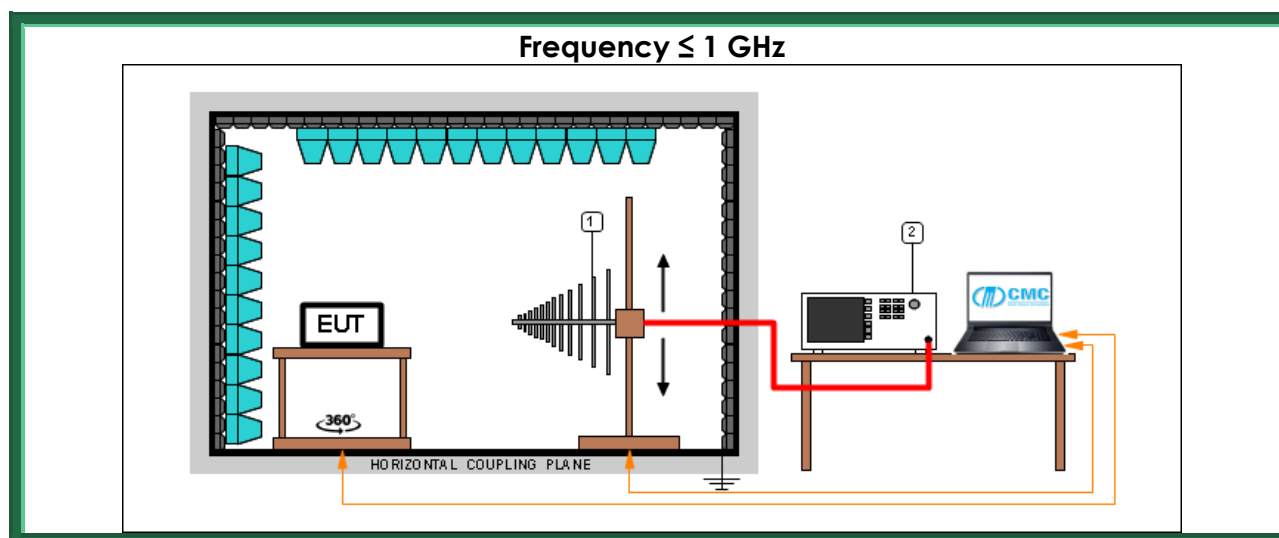
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

## Test setup



*Test setup PE004\_21*

| Nr. | Id. Number | Manufacturer    | Model   | Serial number   | Description                                               | Last calibration date   | Calibration expiration  |
|-----|------------|-----------------|---------|-----------------|-----------------------------------------------------------|-------------------------|-------------------------|
| 2   | CMC S402   | Rohde & Schwarz | ESW44   | 103433          | Emi Test Receiver                                         | December 2024           | December 2025           |
| 1   | CMC S127   | Schaffner       | HLA6120 | 1191            | Loop Antenna 9kHz - 30MHz                                 | July 2024               | July 2027               |
| --  | CMC A105   | Frankonia       | FC06    | FC06.1-2017-073 | Turntable & Antenna mast controller (Software V02.05.013) | No calibration required | No calibration required |

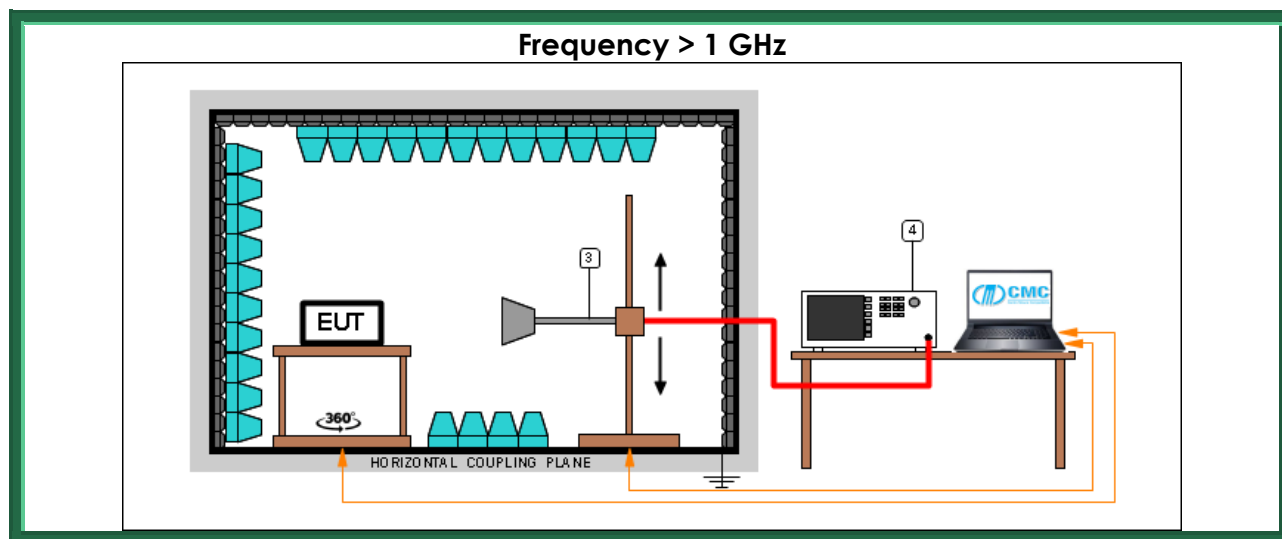


*Test setup PE004\_22*

| Nr. | Id. Number | Manufacturer    | Model                | Serial number   | Description                                               | Last calibration date   | Calibration expiration  |
|-----|------------|-----------------|----------------------|-----------------|-----------------------------------------------------------|-------------------------|-------------------------|
| 2   | CMC S402   | Rohde & Schwarz | ESW44                | 103433          | Emi Test Receiver                                         | December 2024           | December 2025           |
| 1   | CMC S271   | Schwarzbeck     | BBA 9106 + VHBB 9124 | 831             | Broadband Antenna                                         | August 2025             | August 2028             |
| --  | 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\_23*

| Nr. | Id. Number | Manufacturer    | Model       | Serial number   | Description                                               | Last calibration date   | Calibration expiration  |
|-----|------------|-----------------|-------------|-----------------|-----------------------------------------------------------|-------------------------|-------------------------|
| 2   | CMC S402   | Rohde & Schwarz | ESW44       | 103433          | Emi Test Receiver                                         | December 2024           | December 2025           |
| 1   | CMC S287   | Schwarzbeck     | VUSLP 9111B | 9111B-203       | Broadband Antenna                                         | August 2025             | August 2028             |
| --  | 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\_24*

| Nr. | Id. Number | Manufacturer    | Model | Serial number   | Description                                               | Last calibration date   | Calibration expiration  |
|-----|------------|-----------------|-------|-----------------|-----------------------------------------------------------|-------------------------|-------------------------|
| 4   | CMC S402   | Rohde & Schwarz | ESW44 | 103433          | Emi Test Receiver                                         | December 2024           | December 2025           |
| 3   | CMC S108   | Emco            | 3115  | 9811-5622       | Waveguide antenna                                         | August 2025             | August 2028             |
| --  | 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\_25*

| Nr. | Id. Number | Manufacturer    | Model     | Serial number   | Description                                               | Last calibration date   | Calibration expiration  |
|-----|------------|-----------------|-----------|-----------------|-----------------------------------------------------------|-------------------------|-------------------------|
| 4   | CMC S402   | Rohde & Schwarz | ESW44     | 103433          | Emi Test Receiver                                         | December 2024           | December 2025           |
| 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) | Polarization | Frequency Range (MHz) | Graphs   | Verdict |
|------------------------------|--------------|-----------------------|----------|---------|
| Worst case                   | Loop         | 0,009 – 30            | 25186301 | P       |
| Worst case                   | H            | 30 – 300              | 25186302 | P       |
| Worst case                   | V            | 30 – 300              | 25186303 | P       |
| 915,050                      | V            | 300 – 1000            | 25186304 | P       |
| 915,050                      | H            | 300 – 1000            | 25186305 | P       |
| 921,400                      | H            | 300 – 1000            | 25186306 | P       |
| 921,400                      | V            | 300 – 1000            | 25186307 | P       |
| 927,800                      | V            | 300 – 1000            | 25186308 | P       |
| 927,800                      | H            | 300 – 1000            | 25186309 | P       |
| 927,800                      | H            | 1000 – 10000          | 25186310 | P       |
| 927,800                      | V            | 1000 – 10000          | 25186311 | P       |
| 921,400                      | V            | 1000 – 10000          | 25186312 | P       |
| 921,400                      | H            | 1000 – 10000          | 25186313 | P       |
| 915,050                      | H            | 1000 – 10000          | 25186314 | P       |
| 915,050                      | V            | 1000 – 10000          | 25186315 | 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.

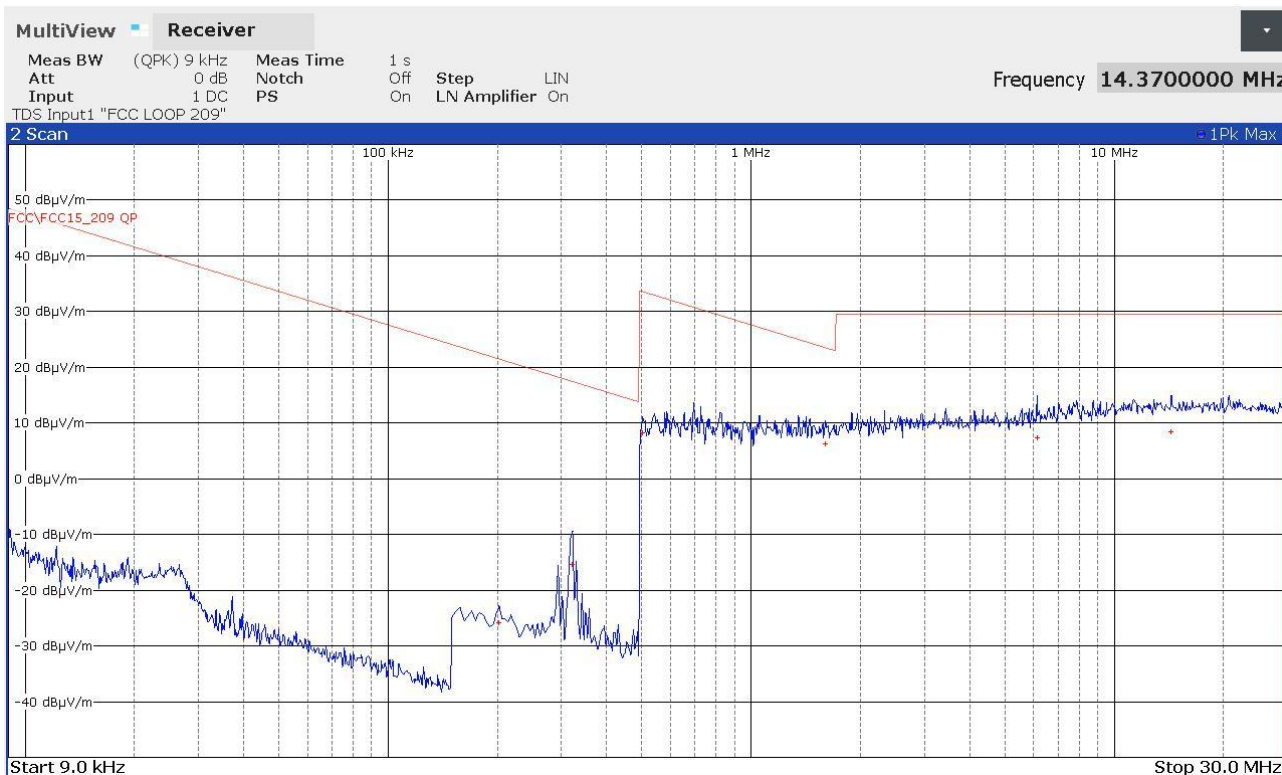
### Graphs Legend

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

zanivan 25186301



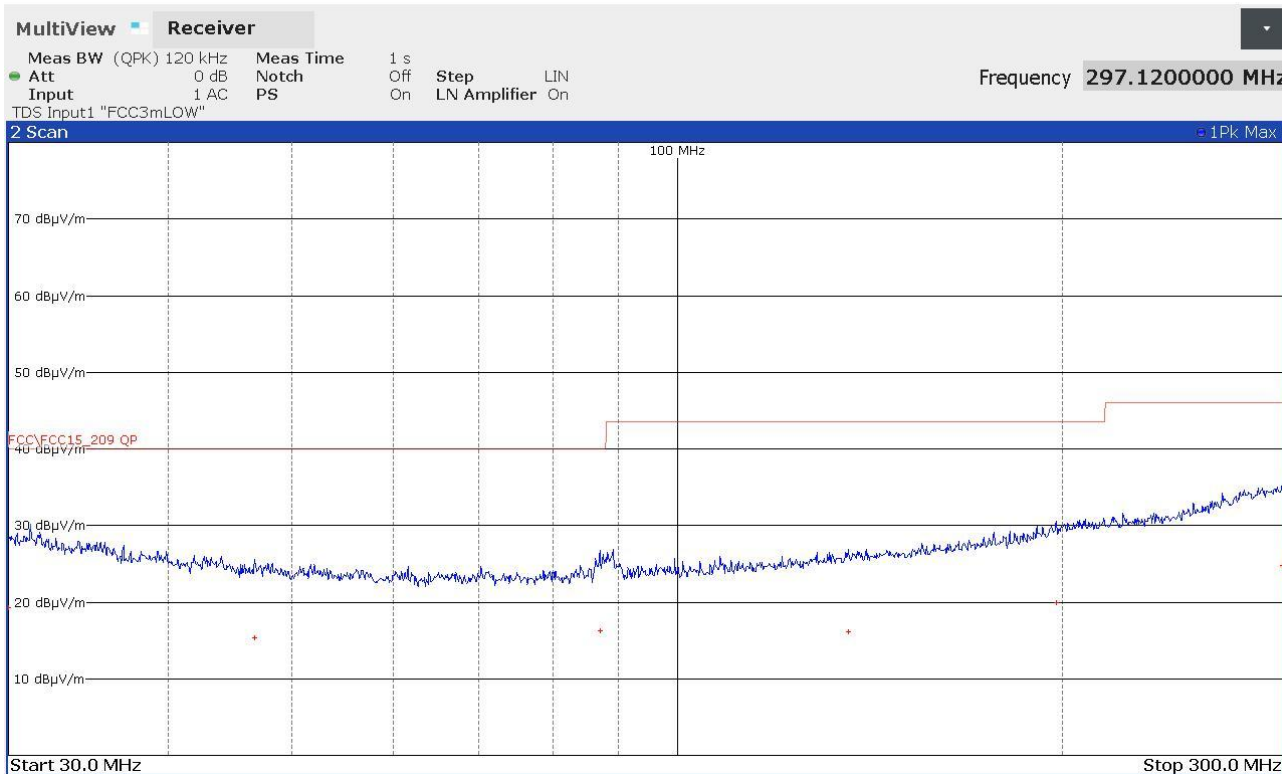
FINAL RESULT TABLE

### QUASI PEAK

| Freq Hz  | Lev dBuV/m | Margin dB |
|----------|------------|-----------|
| 202000   | -25.79     | -47.29    |
| 322000   | -15.38     | -32.83    |
| 502000   | +8.31      | -25.28    |
| 1602000  | +6.19      | -17.32    |
| 6138000  | +7.36      | -22.18    |
| 14370000 | +8.46      | -21.08    |

25186301\_2

Zanivan 25186302



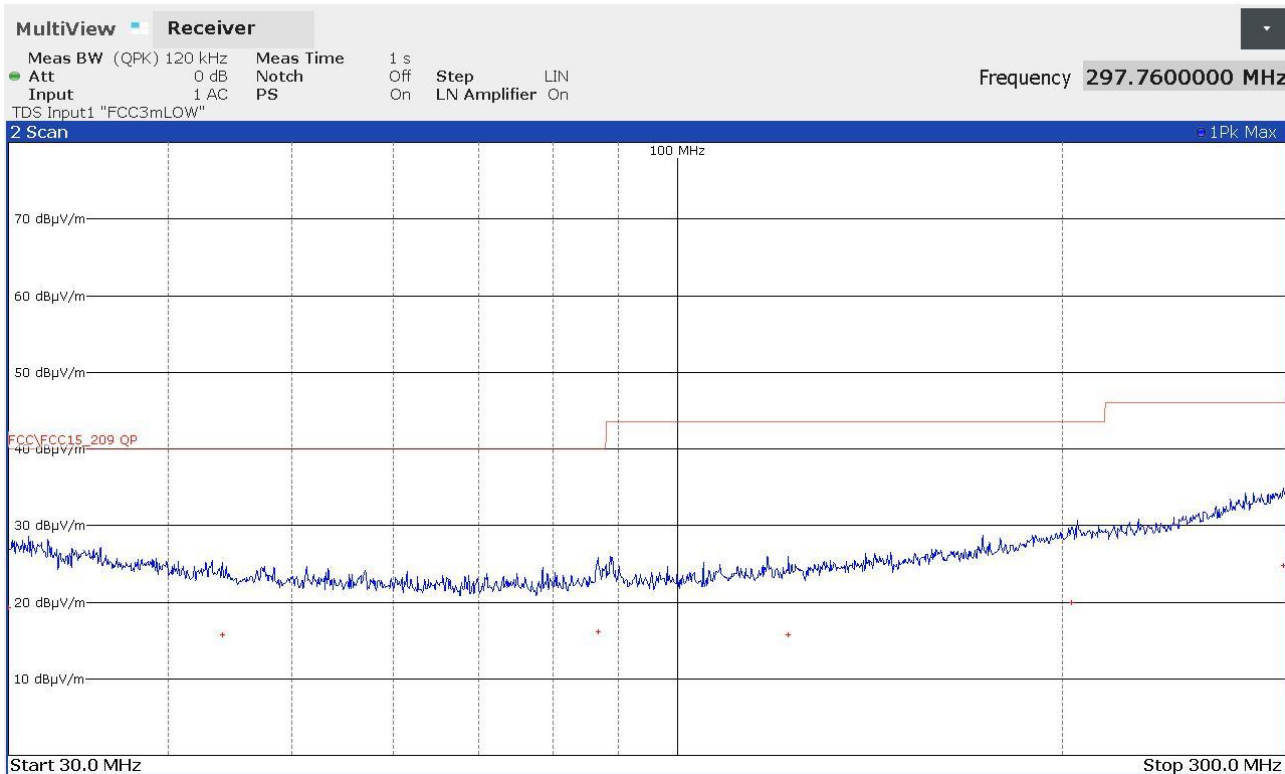
FINAL RESULT TABLE

QUASI PEAK

| Freq Hz   | Lev dBuV/m | Margin dB |
|-----------|------------|-----------|
| 30000000  | +19.25     | -20.75    |
| 46720000  | +15.40     | -24.60    |
| 87000000  | +16.27     | -23.73    |
| 136160000 | +16.15     | -27.37    |
| 197760000 | +19.89     | -23.63    |
| 297120000 | +24.82     | -21.20    |

25186302\_2

Zanivan 25186303



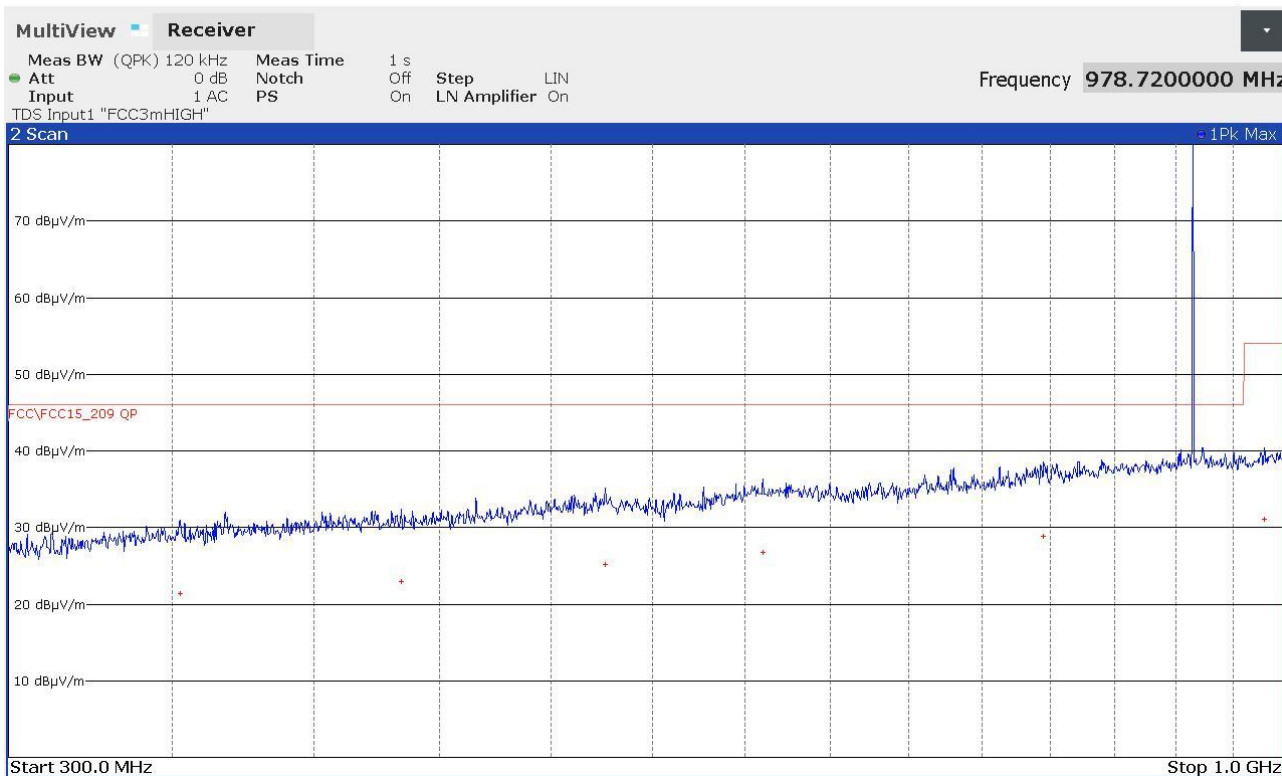
FINAL RESULT TABLE

QUASI PEAK

| Freq Hz   | Lev dBuV/m | Margin dB |
|-----------|------------|-----------|
| 30000000  | +19.29     | -20.71    |
| 44080000  | +15.75     | -24.25    |
| 86720000  | +16.12     | -23.88    |
| 122120000 | +15.71     | -27.81    |
| 203280000 | +19.92     | -23.60    |
| 297760000 | +24.81     | -21.21    |

25186303\_2

zanivan 25186304



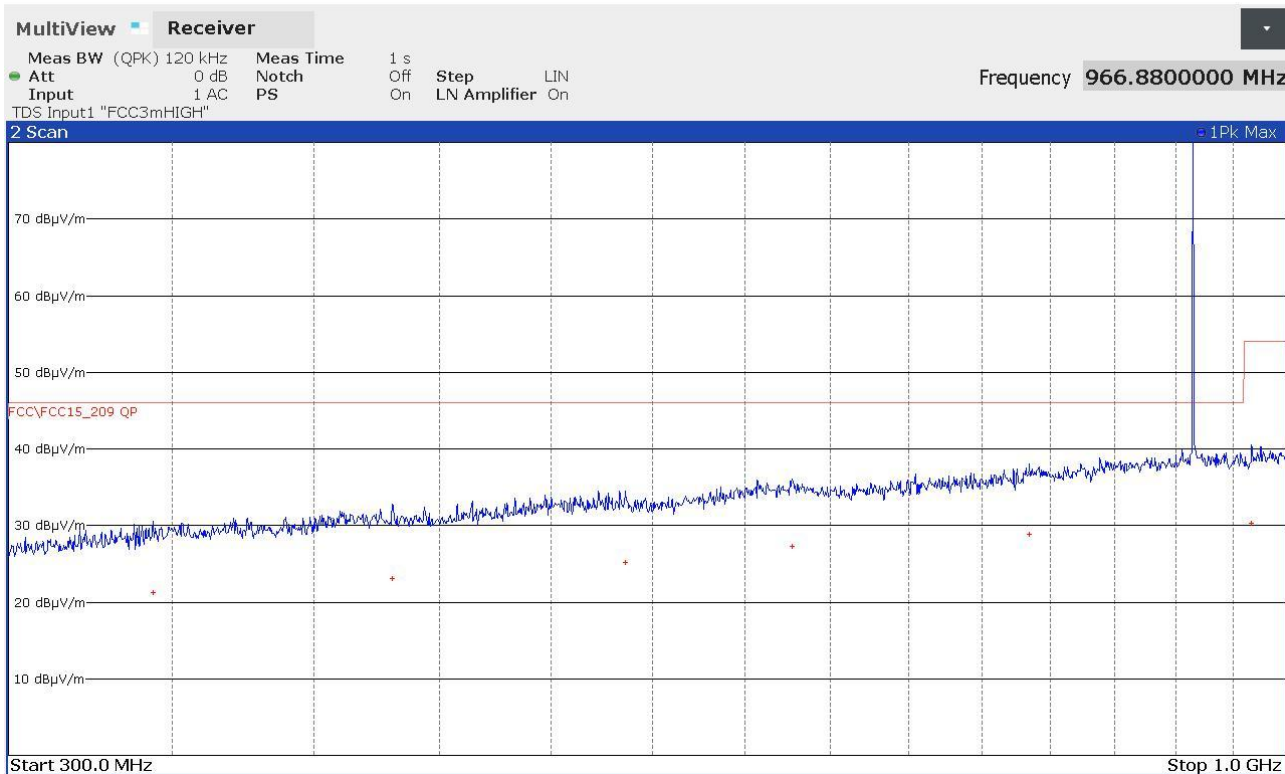
### FINAL RESULT TABLE

#### QUASI PEAK

| Freq Hz   | Lev dBuV/m | Margin dB |
|-----------|------------|-----------|
| 352520000 | +21.32     | -24.70    |
| 434200000 | +23.00     | -23.02    |
| 526080000 | +25.24     | -20.78    |
| 610400000 | +26.77     | -19.25    |
| 794680000 | +28.89     | -17.13    |
| 978720000 | +31.02     | -22.96    |

25186304\_2

Zanivan 25186305



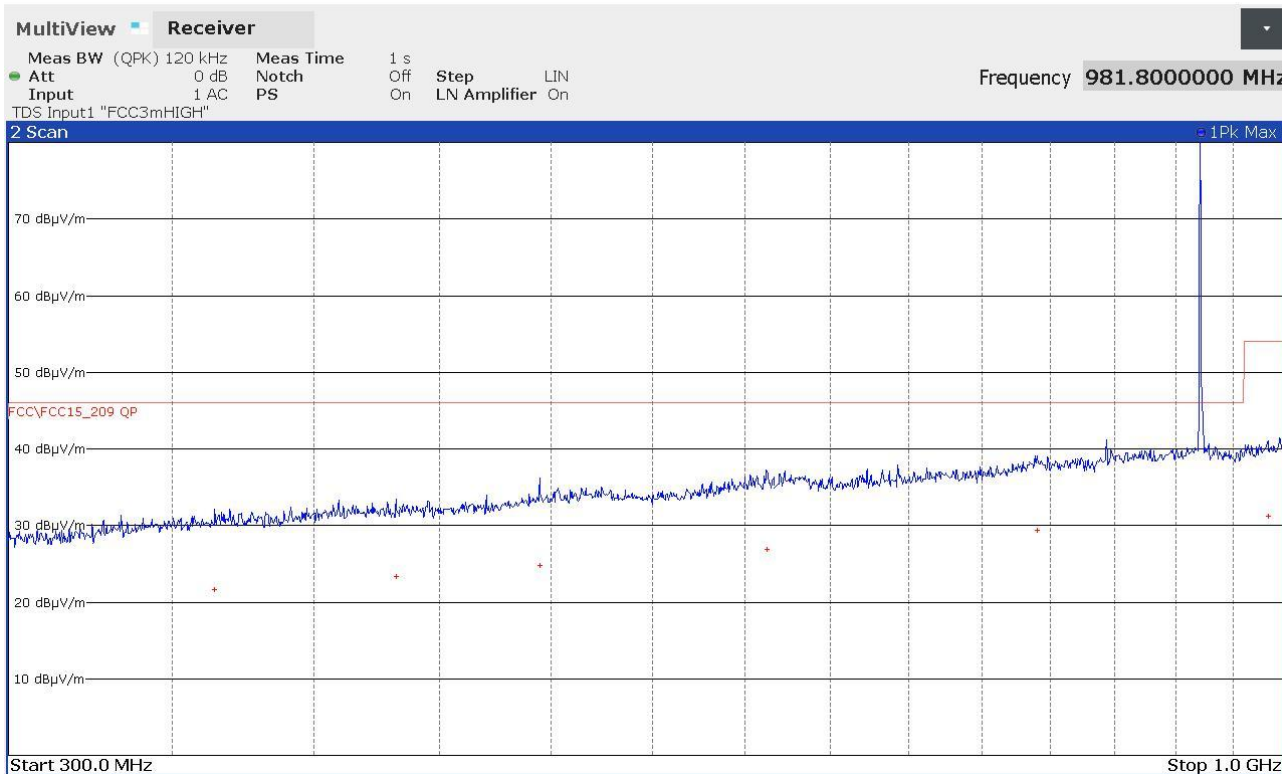
### FINAL RESULT TABLE

#### QUASI PEAK

| Freq Hz   | Lev dBuV/m | Margin dB |
|-----------|------------|-----------|
| 343640000 | +21.21     | -24.81    |
| 430440000 | +23.12     | -22.90    |
| 536280000 | +25.14     | -20.88    |
| 627160000 | +27.25     | -18.77    |
| 784000000 | +28.84     | -17.18    |
| 966880000 | +30.30     | -23.68    |

25186305\_2

Zanivan 25186306



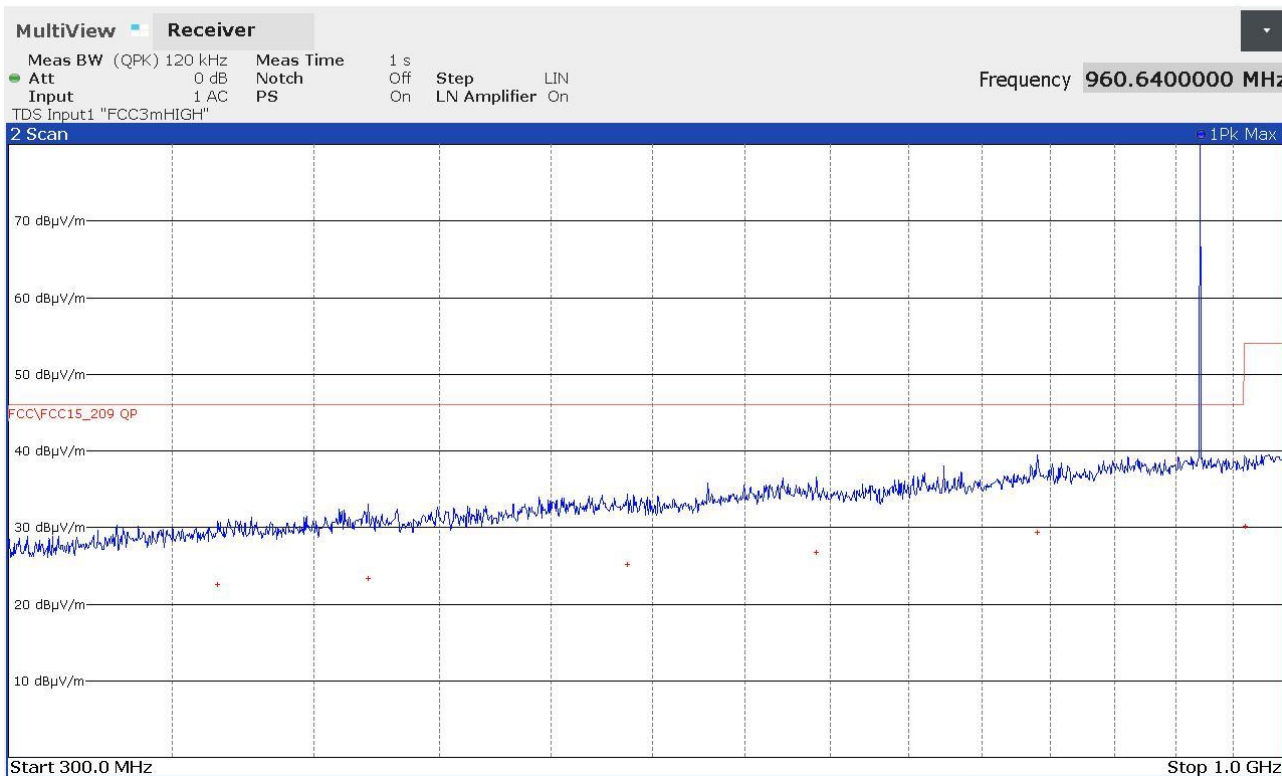
### FINAL RESULT TABLE

#### QUASI PEAK

| Freq Hz   | Lev dBuV/m | Margin dB |
|-----------|------------|-----------|
| 364160000 | +21.59     | -24.43    |
| 432120000 | +23.31     | -22.71    |
| 494680000 | +24.78     | -21.24    |
| 612400000 | +26.92     | -19.10    |
| 790040000 | +29.43     | -16.59    |
| 981800000 | +31.22     | -22.76    |

25186306\_2

zanivan 25186307



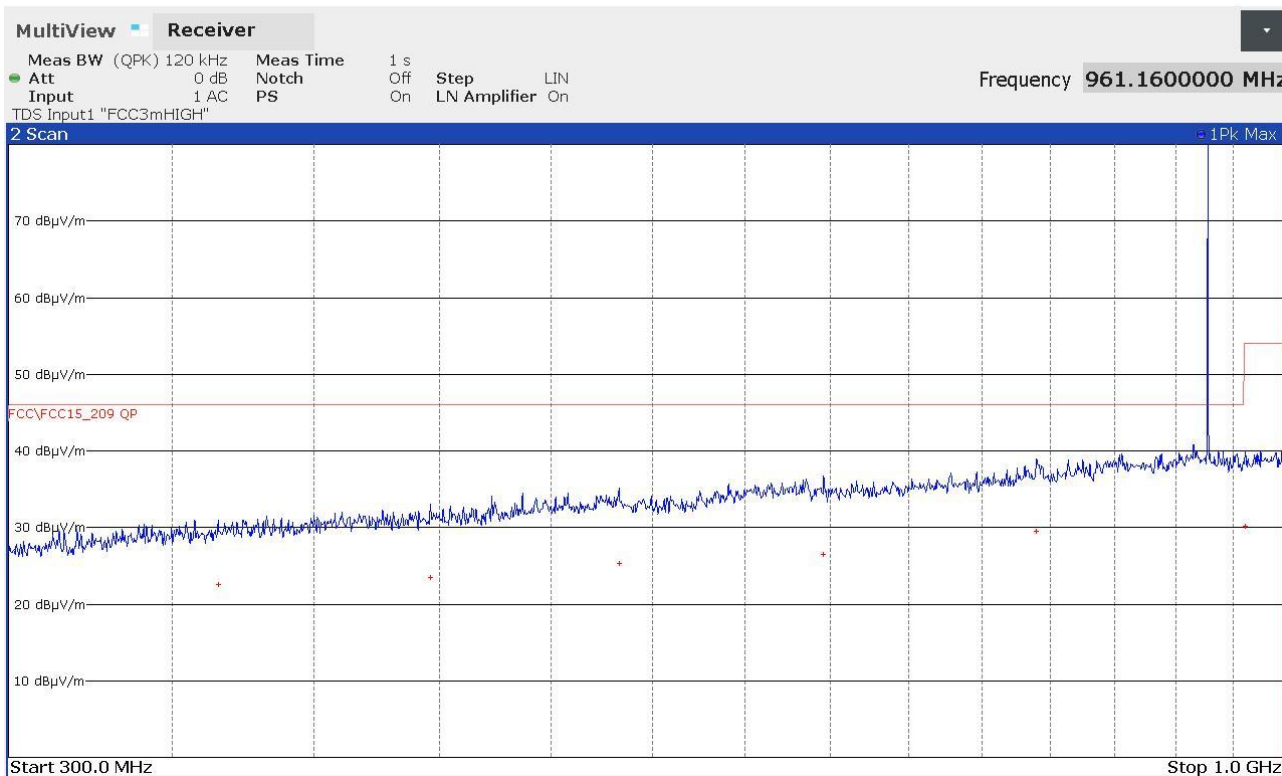
### FINAL RESULT TABLE

#### QUASI PEAK

| Freq Hz   | Lev dBuV/m | Margin dB |
|-----------|------------|-----------|
| 365320000 | +22.56     | -23.46    |
| 420920000 | +23.37     | -22.65    |
| 537320000 | +25.13     | -20.89    |
| 641960000 | +26.73     | -19.29    |
| 790240000 | +29.37     | -16.65    |
| 960640000 | +30.21     | -23.77    |

25186307\_2

zanivan 25186308



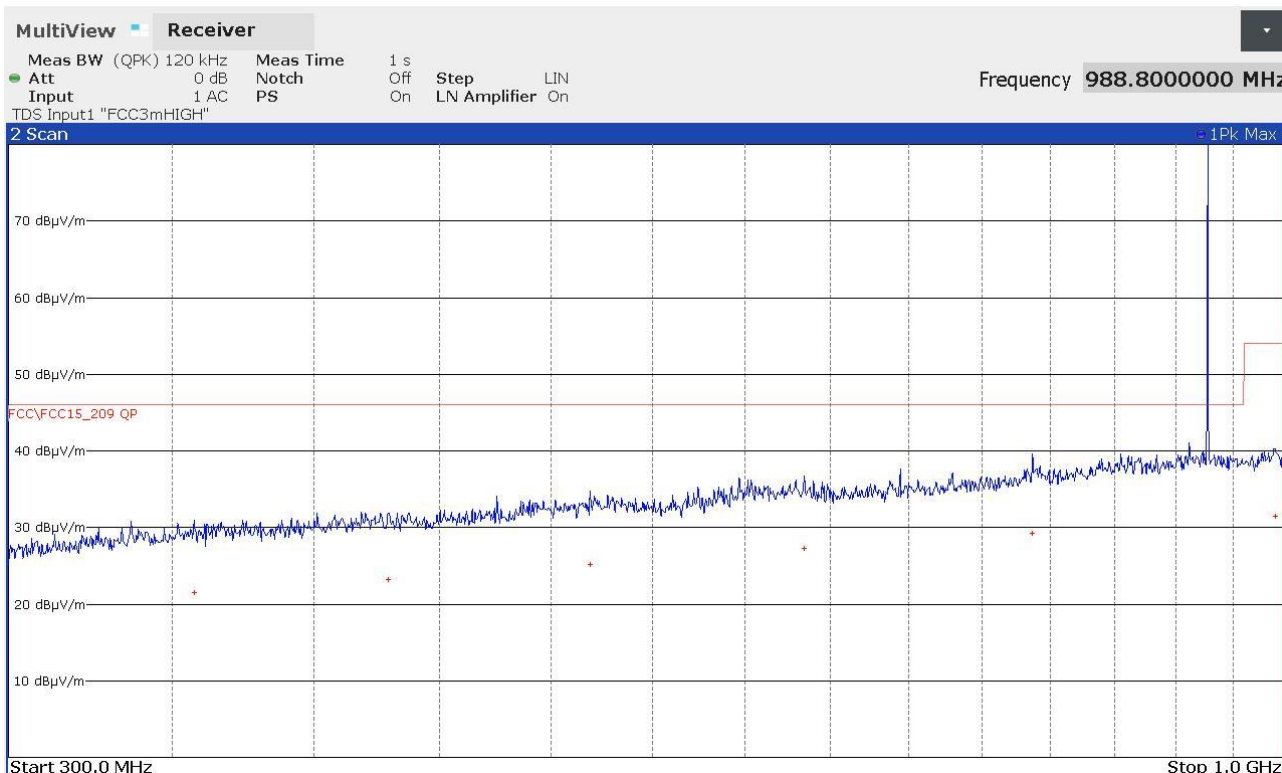
### FINAL RESULT TABLE

#### QUASI PEAK

| Freq Hz   | Lev dBuV/m | Margin dB |
|-----------|------------|-----------|
| 365480000 | +22.62     | -23.40    |
| 446240000 | +23.41     | -22.61    |
| 533040000 | +25.29     | -20.73    |
| 646200000 | +26.50     | -19.52    |
| 789680000 | +29.49     | -16.53    |
| 961160000 | +30.15     | -23.83    |

25186308\_2

zanivan 25186309



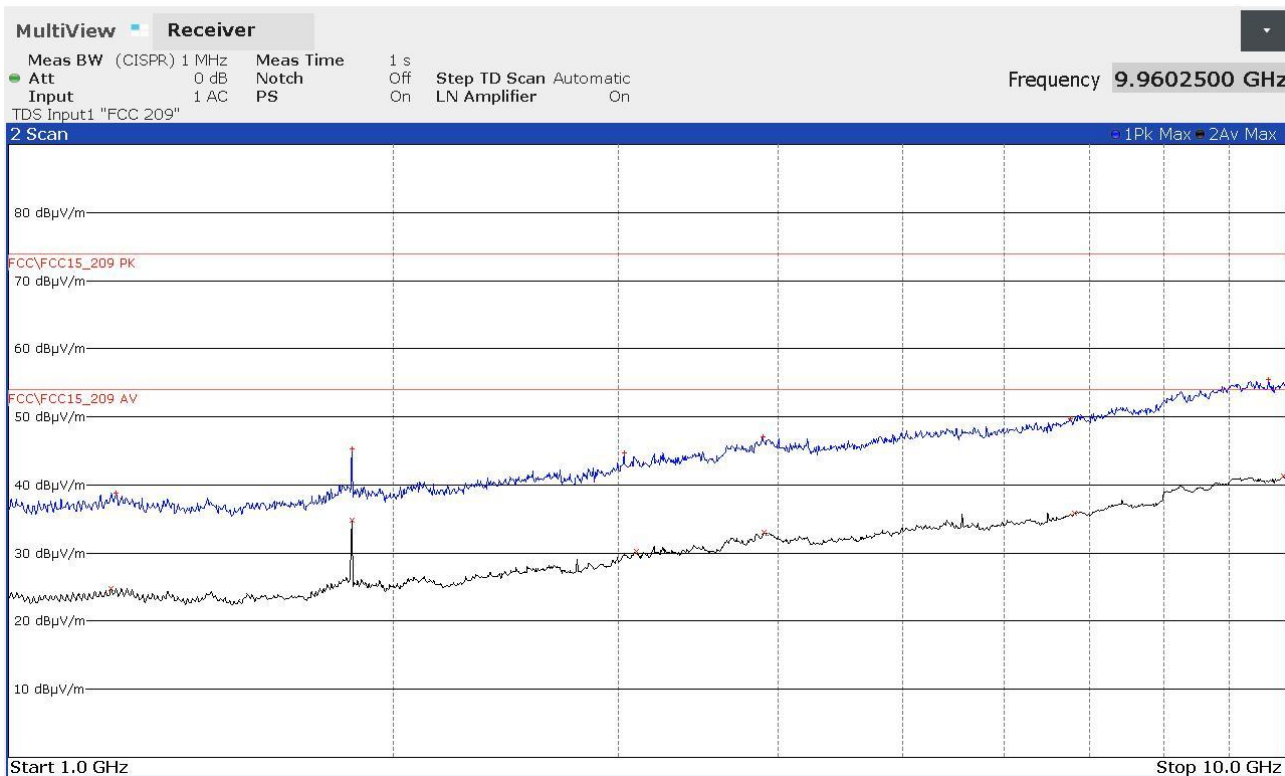
FINAL RESULT TABLE

QUASI PEAK

| Freq Hz   | Lev dBuV/m | Margin dB |
|-----------|------------|-----------|
| 357280000 | +21.55     | -24.47    |
| 428760000 | +23.19     | -22.83    |
| 518560000 | +25.18     | -20.84    |
| 634560000 | +27.27     | -18.75    |
| 786760000 | +29.26     | -16.76    |
| 988800000 | +31.45     | -22.53    |

25186309\_2

Zanivan 25186310

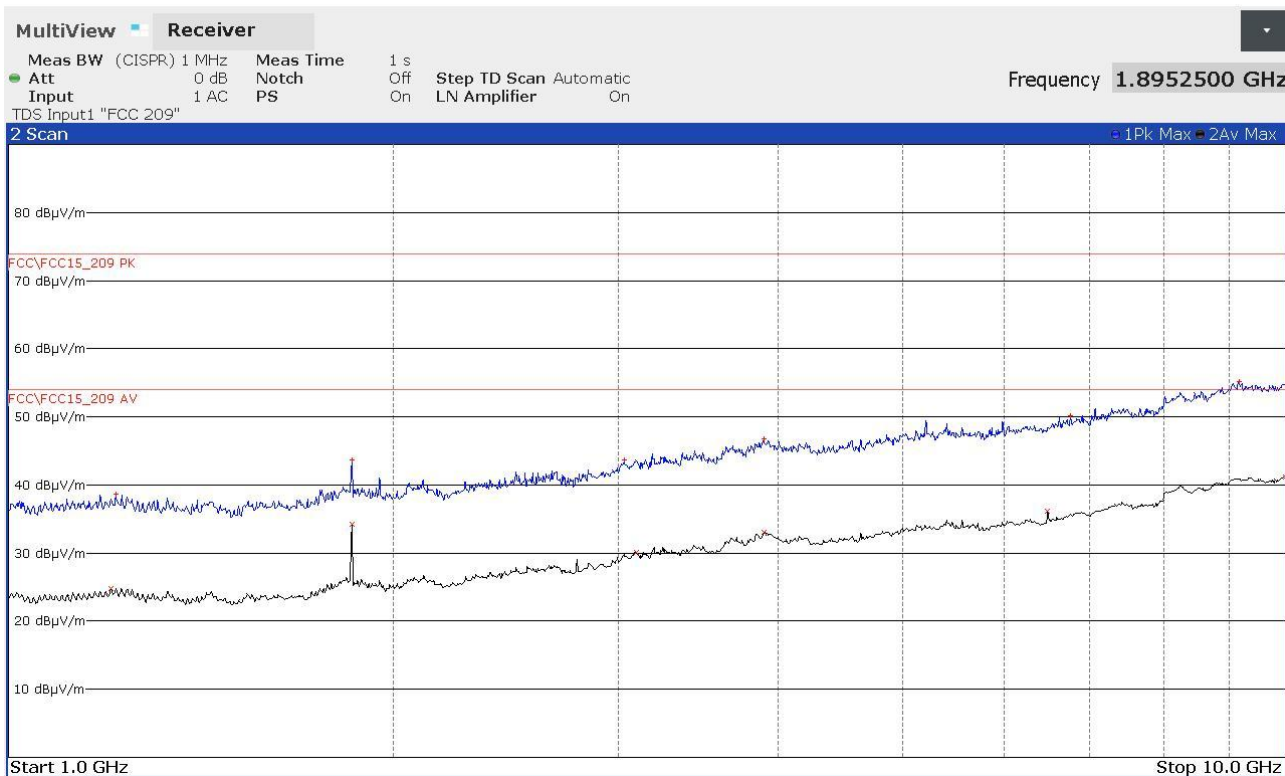


FINAL RESULT TABLE

| MAX PEAK   |            |           | AVERAGE    |            |           |
|------------|------------|-----------|------------|------------|-----------|
| Freq Hz    | Lev dBuV/m | Margin dB | Freq Hz    | Lev dBuV/m | Margin dB |
| 1213750000 | +38.80     | -35.18    | 1203000000 | +24.79     | -29.19    |
| 1855500000 | +45.34     | -28.64    | 1855500000 | +34.78     | -19.20    |
| 3029500000 | +44.69     | -29.29    | 3095000000 | +30.20     | -23.78    |
| 3887250000 | +47.07     | -26.91    | 3899750000 | +33.06     | -20.92    |
| 6761750000 | +49.76     | -24.22    | 6811250000 | +35.82     | -18.16    |
| 9663750000 | +55.54     | -18.44    | 9921000000 | +41.26     | -12.72    |

25186310\_2

Zanivan 25186311

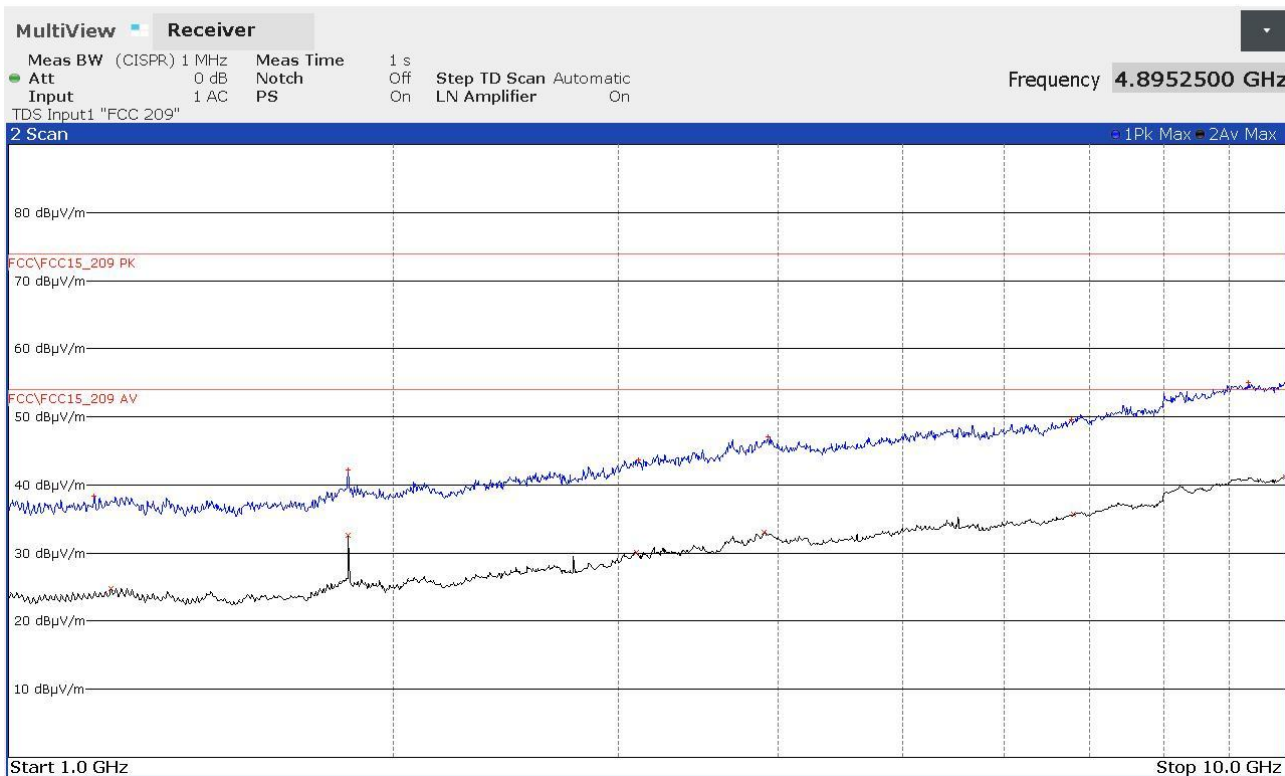


FINAL RESULT TABLE

| MAX PEAK   |            |           | AVERAGE    |            |           |
|------------|------------|-----------|------------|------------|-----------|
| Freq Hz    | Lev dBuV/m | Margin dB | Freq Hz    | Lev dBuV/m | Margin dB |
| 1213000000 | +38.63     | -35.35    | 1202750000 | +24.79     | -29.19    |
| 1855500000 | +43.61     | -30.37    | 1855500000 | +34.24     | -19.74    |
| 3031000000 | +43.62     | -30.36    | 3094500000 | +30.16     | -23.82    |
| 3894750000 | +46.70     | -27.28    | 3899750000 | +33.06     | -20.92    |
| 6763250000 | +50.14     | -23.84    | 6494500000 | +36.16     | -17.82    |
| 9161000000 | +55.20     | -18.78    | 9961500000 | +41.21     | -12.77    |

25186311\_2

Zanivan 25186312

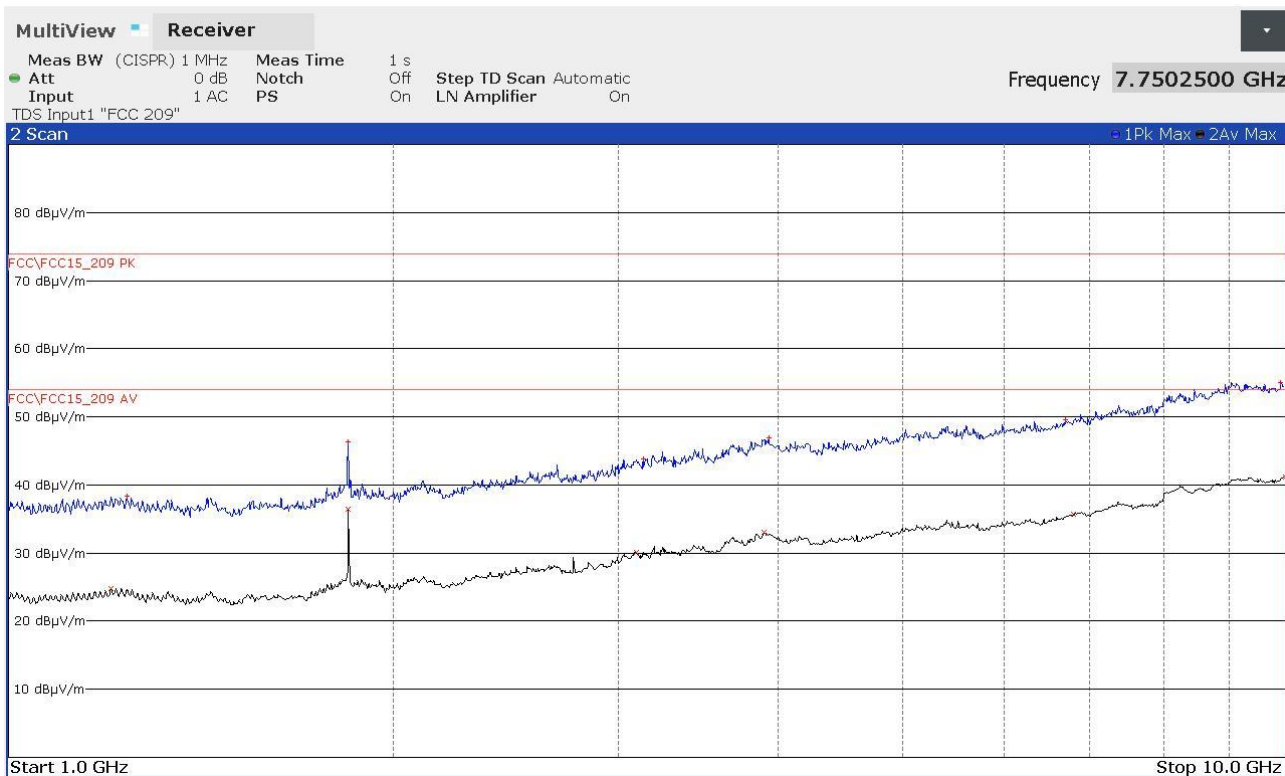


FINAL RESULT TABLE

| MAX PEAK   |            |           | AVERAGE    |            |           |
|------------|------------|-----------|------------|------------|-----------|
| Freq Hz    | Lev dBuV/m | Margin dB | Freq Hz    | Lev dBuV/m | Margin dB |
| 1167250000 | +38.38     | -35.60    | 1203000000 | +24.79     | -29.19    |
| 1842750000 | +42.23     | -31.75    | 1842750000 | +32.64     | -21.34    |
| 3107250000 | +43.73     | -30.25    | 3095000000 | +30.17     | -23.81    |
| 3924250000 | +47.03     | -26.95    | 3899750000 | +33.06     | -20.92    |
| 6778500000 | +49.54     | -24.44    | 6804000000 | +35.75     | -18.23    |
| 9322500000 | +55.09     | -18.89    | 9961250000 | +41.20     | -12.78    |

25186312\_2

zanivan 25186313

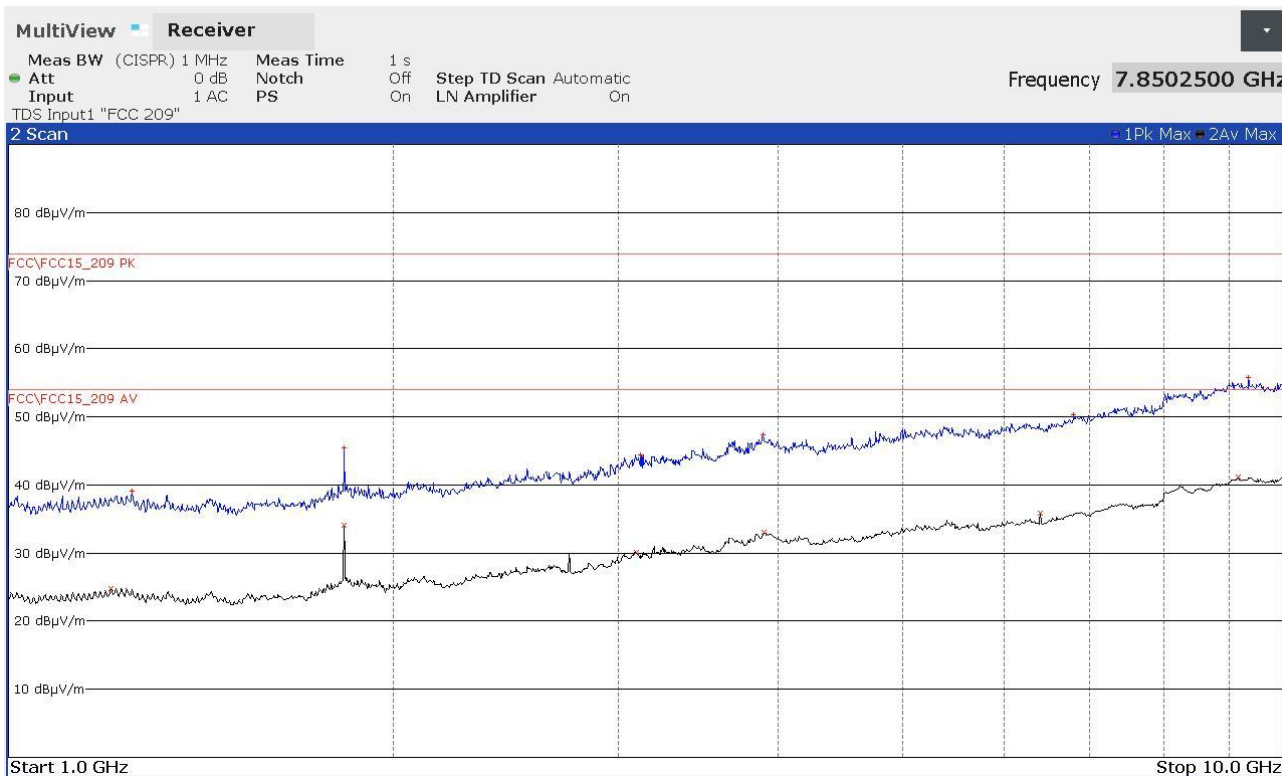


FINAL RESULT TABLE

| MAX PEAK   |            |           | AVERAGE    |            |           |
|------------|------------|-----------|------------|------------|-----------|
| Freq Hz    | Lev dBuV/m | Margin dB | Freq Hz    | Lev dBuV/m | Margin dB |
| 1237750000 | +38.43     | -35.55    | 1202750000 | +24.78     | -29.20    |
| 1842750000 | +46.29     | -27.69    | 1842750000 | +36.51     | -17.47    |
| 3134500000 | +43.87     | -30.11    | 3094750000 | +30.15     | -23.83    |
| 3930750000 | +46.89     | -27.09    | 3899750000 | +33.02     | -20.96    |
| 6702250000 | +49.60     | -24.38    | 6804250000 | +35.75     | -18.23    |
| 9881250000 | +55.07     | -18.91    | 9961750000 | +41.18     | -12.80    |

25186313\_2

Zanivan 25186314

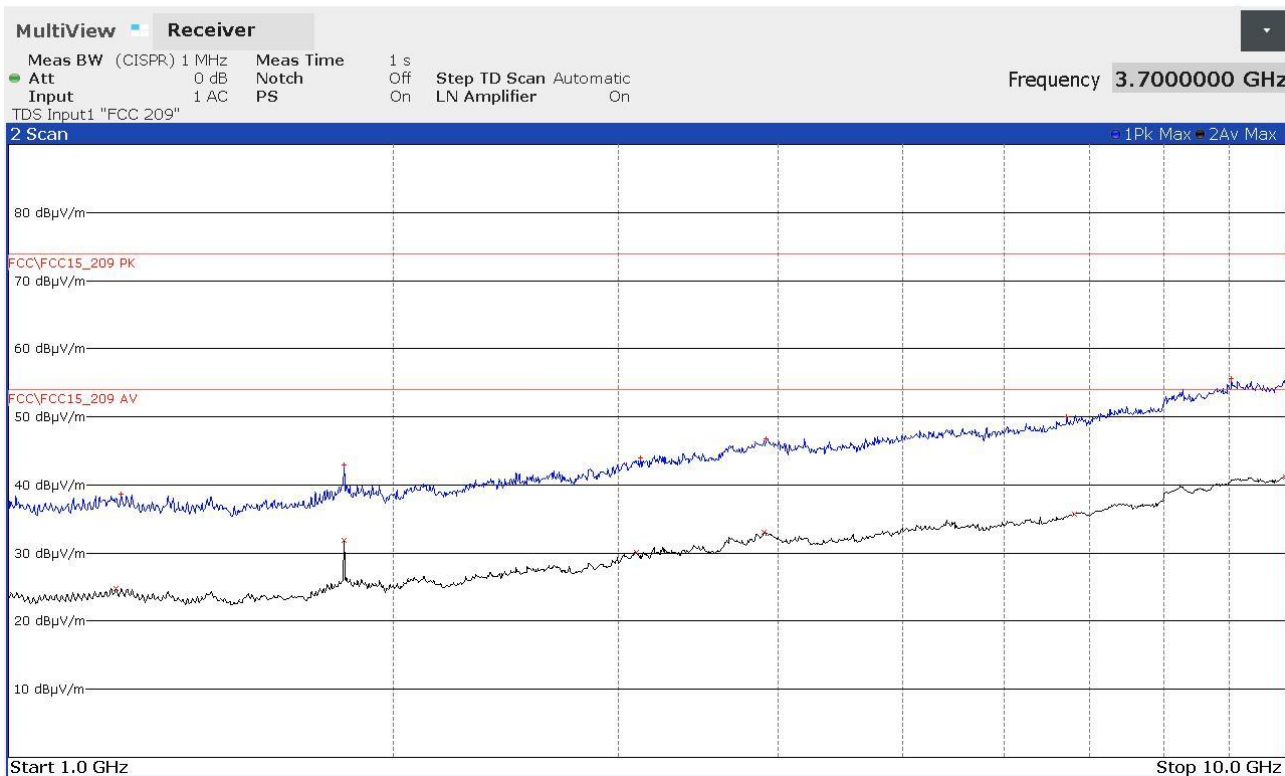


FINAL RESULT TABLE

| MAX PEAK   |            |           | AVERAGE    |            |           |
|------------|------------|-----------|------------|------------|-----------|
| Freq Hz    | Lev dBuV/m | Margin dB | Freq Hz    | Lev dBuV/m | Margin dB |
| 1248500000 | +39.12     | -34.86    | 1202750000 | +24.79     | -29.19    |
| 1830000000 | +45.38     | -28.60    | 1830000000 | +34.08     | -19.90    |
| 3122000000 | +44.45     | -29.53    | 3094750000 | +30.16     | -23.82    |
| 3888250000 | +47.42     | -26.56    | 3899750000 | +33.03     | -20.95    |
| 6807000000 | +50.24     | -23.74    | 6405250000 | +35.91     | -18.07    |
| 9321500000 | +55.80     | -18.18    | 9150500000 | +41.22     | -12.76    |

25186314\_2

zanivan 25186315



FINAL RESULT TABLE

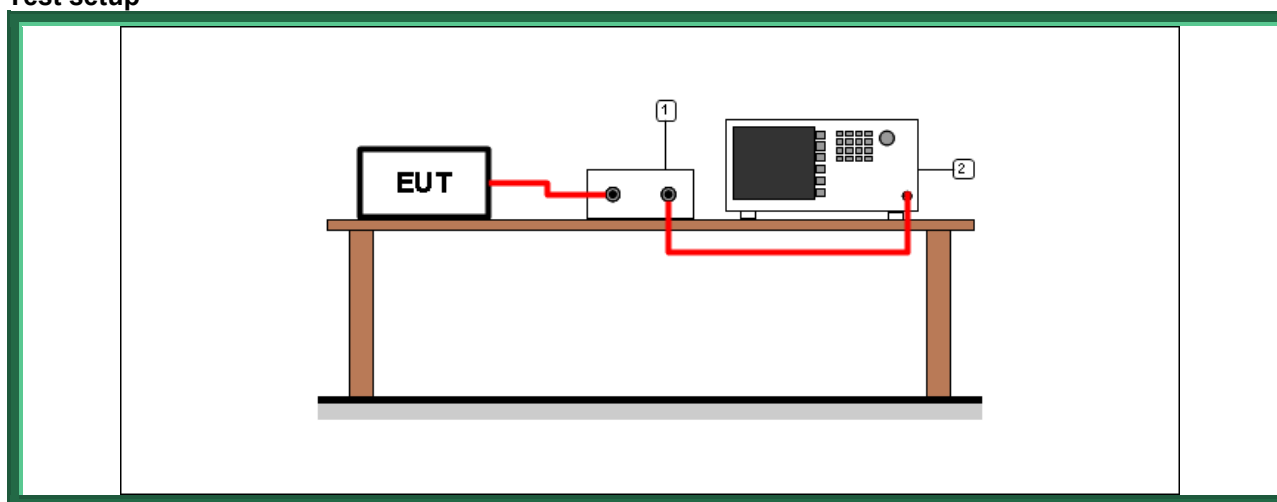
| MAX PEAK   |            |           | AVERAGE    |            |           |
|------------|------------|-----------|------------|------------|-----------|
| Freq Hz    | Lev dBuV/m | Margin dB | Freq Hz    | Lev dBuV/m | Margin dB |
| 1224500000 | +38.59     | -35.39    | 1213500000 | +24.79     | -29.19    |
| 1830000000 | +42.92     | -31.06    | 1830000000 | +31.90     | -22.08    |
| 3120250000 | +43.91     | -30.07    | 3094500000 | +30.17     | -23.81    |
| 3913750000 | +46.83     | -27.15    | 3899750000 | +33.07     | -20.91    |
| 6721000000 | +50.09     | -23.89    | 6809250000 | +35.76     | -18.22    |
| 9041250000 | +55.59     | -18.39    | 9961500000 | +41.20     | -12.78    |

25186315\_2

## 20 dB bandwidth

|                                             |                                                      |
|---------------------------------------------|------------------------------------------------------|
| Tested by .....                             | S. Zanivan                                           |
| Test date .....                             | 13.10.2025                                           |
| Test location (stand) .....                 | Laboratory                                           |
| Basic standard(s) .....                     | ANSI C63.10 cl. 7.8.7                                |
| Product standard(s) .....                   | FCC Rules and Regulation; Titles 47 Part. 15.215 (c) |
| Supplementary test set-up description ..... | --                                                   |
| Supplementary information .....             | --                                                   |

## Test setup



| Test setup PR002_01 |            |                 |       |               |                         |                            |                            |
|---------------------|------------|-----------------|-------|---------------|-------------------------|----------------------------|----------------------------|
| Nr.                 | Id. Number | Manufacturer    | Model | Serial number | Description             | Last calibration date      | Calibration expiration     |
| 2                   | CMC S295   | Rohde & Schwarz | FSW43 | 104059        | Spectrum Analyzer 43GHz | January 2023               | January 2026               |
| 1                   | --         | --              | --    | --            | Cable + attenuator      | Calibrated before the test | Calibrated before the test |

**Result**

| <i>Transmission frequency (MHz)</i> | <i>Graphs</i> | <i>20 dB bandwidth (kHz)</i> |
|-------------------------------------|---------------|------------------------------|
| 915,050                             | 25186318      | 20,58                        |
| 921,400                             | 25186320      | 20,63                        |
| 927,800                             | 25186324      | 20,63                        |

## Graphs

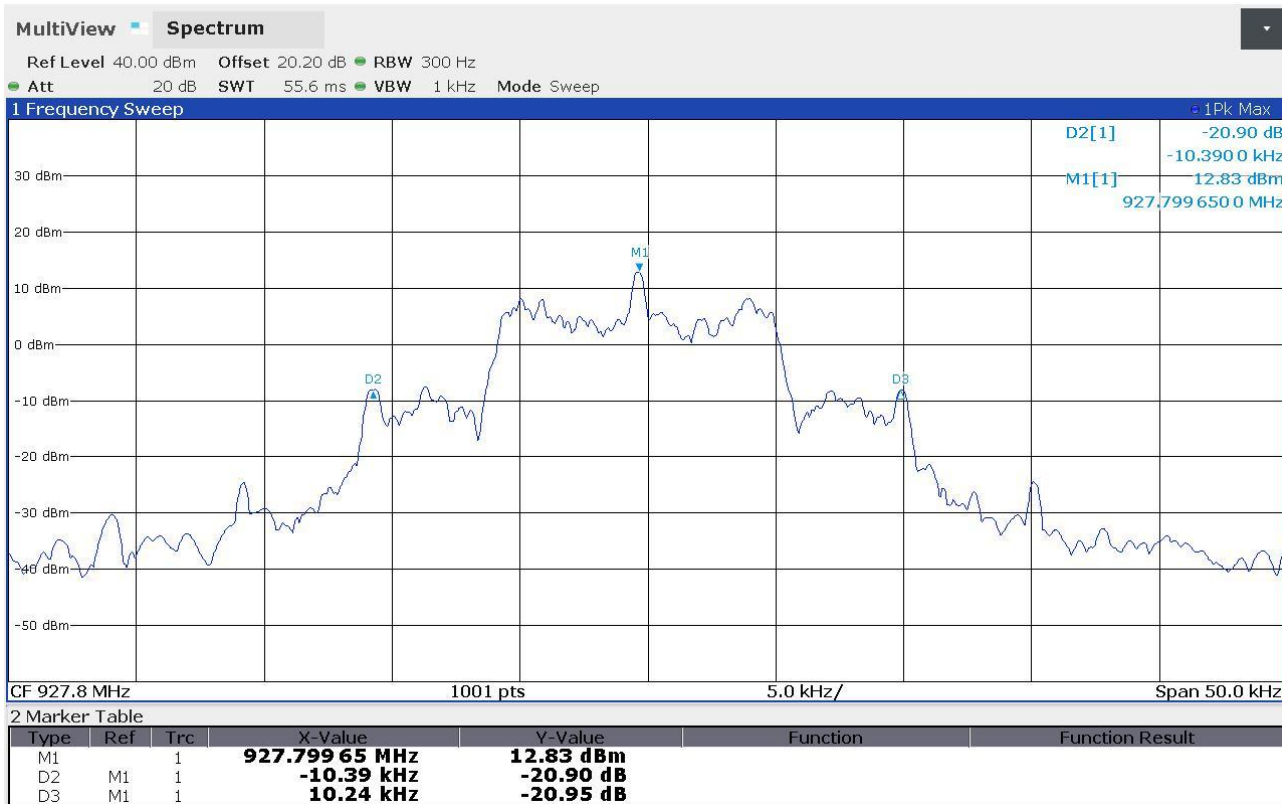
Zanivan 25186318



Zanivan 25186320



Zanivan 25186324



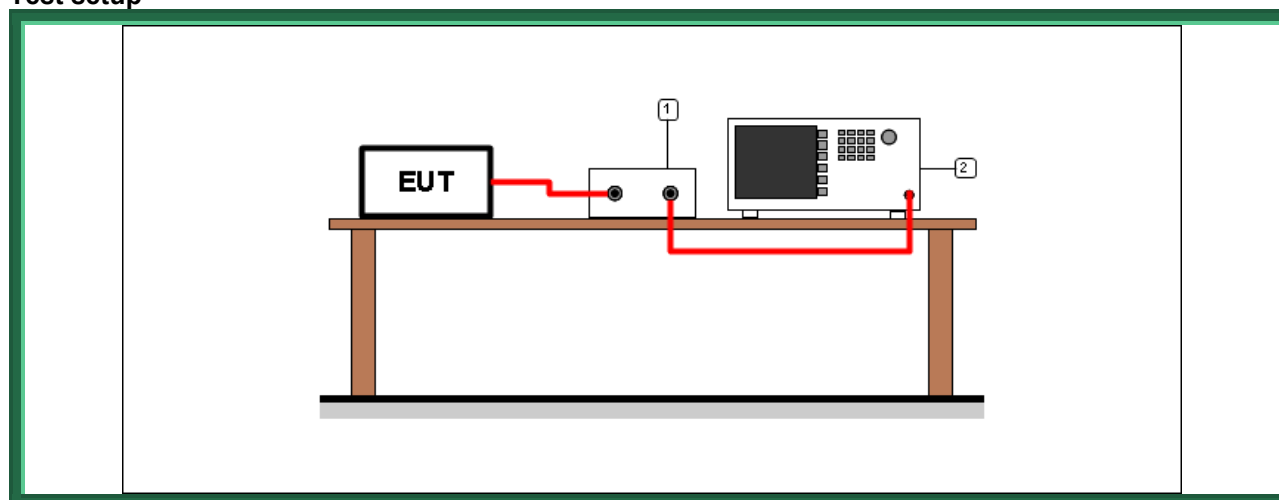
## Channel separation

|                                             |                                                                              |
|---------------------------------------------|------------------------------------------------------------------------------|
| Tested by .....                             | S. Zanivan                                                                   |
| Test date .....                             | 13.10.2025                                                                   |
| Test location (stand) .....                 | Laboratory                                                                   |
| Basic standard(s) .....                     | KDB 558074 D01 15.247 Meas Guidance v05r02 cl. 9 b)<br>ANSI C63.10 cl. 7.8.2 |
| Product standard(s) .....                   | FCC Rules and Regulation; Titles 47 Part. 15.247                             |
| Supplementary test set-up description ..... | --                                                                           |
| Supplementary information .....             | --                                                                           |

### Acceptance limits

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400–2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

### Test setup



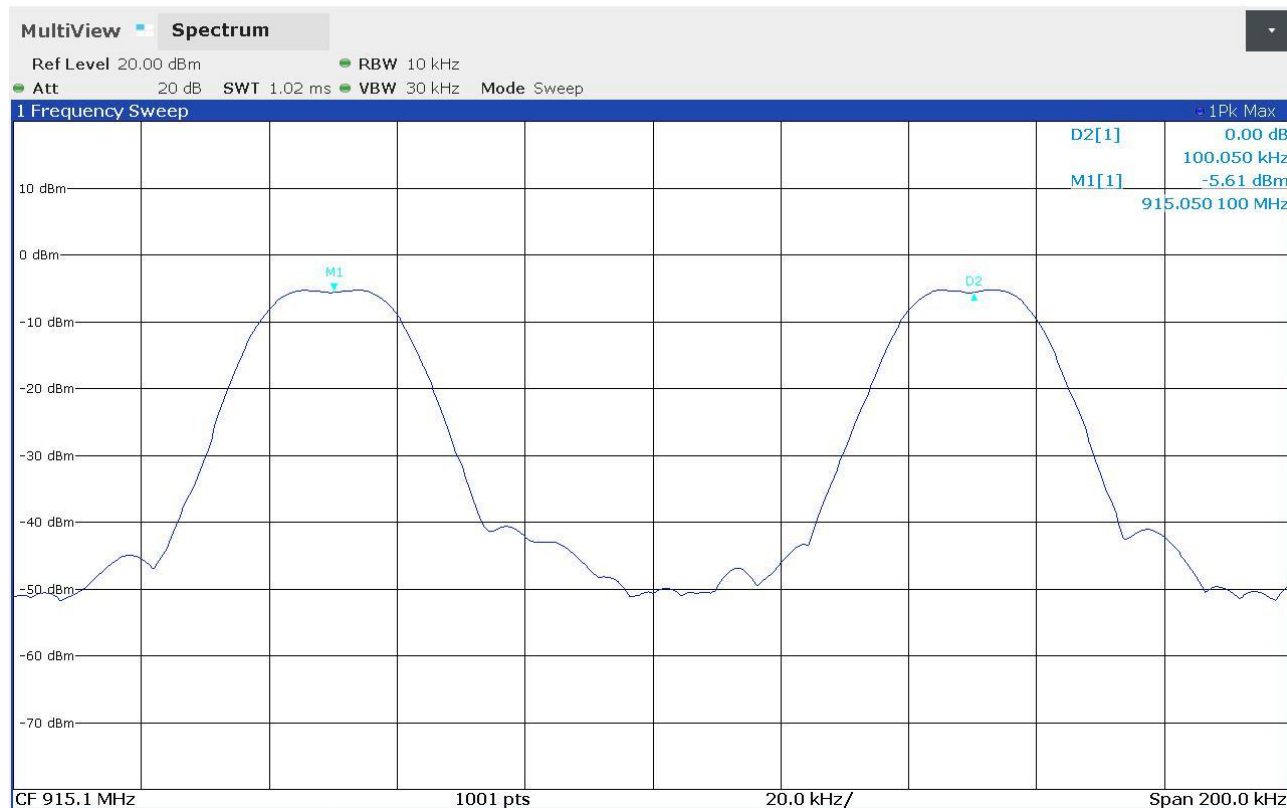
| Test setup PR002_01 |            |                 |       |               |                         |                            |                            |
|---------------------|------------|-----------------|-------|---------------|-------------------------|----------------------------|----------------------------|
| Nr.                 | Id. Number | Manufacturer    | Model | Serial number | Description             | Last calibration date      | Calibration expiration     |
| 2                   | CMC S295   | Rohde & Schwarz | FSW43 | 104059        | Spectrum Analyzer 43GHz | January 2023               | January 2026               |
| 1                   | --         | --              | --    | --            | Cable + attenuator      | Calibrated before the test | Calibrated before the test |

**Result**

| <i>Frequency band<br/>(MHz)</i> | <i>Graphs</i> | <i>Channel<br/>separation (kHz)</i> | <i>Minimum channel<br/>separation<br/>required (kHz)</i> | <i>Verdict</i> |
|---------------------------------|---------------|-------------------------------------|----------------------------------------------------------|----------------|
| 902 – 928                       | 25186328      | 100,05                              | 25                                                       | P              |

## Graphs

Zanivan 25186328



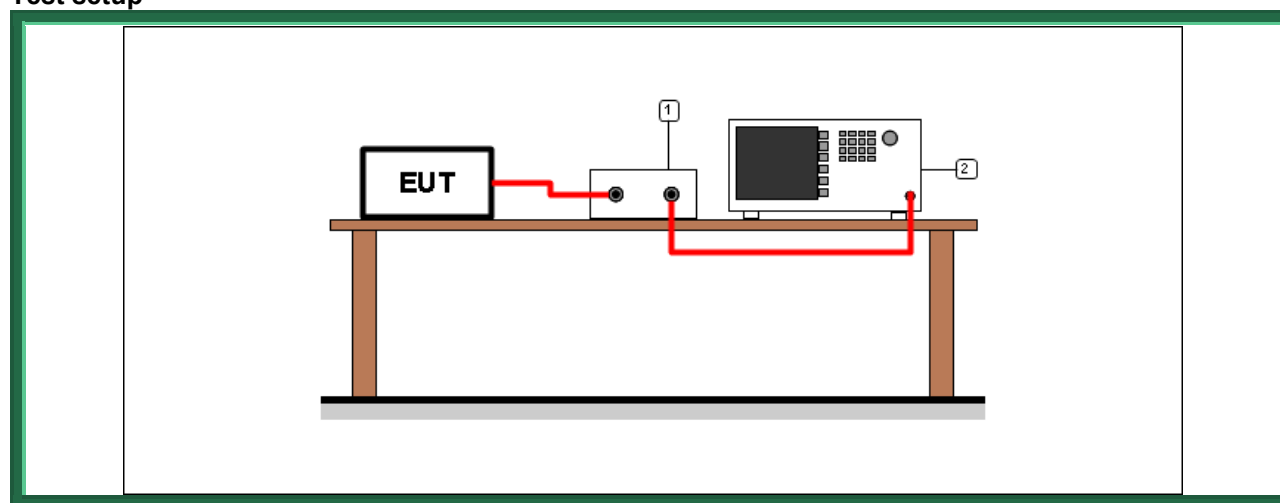
## Number of hopping channels

|                                             |                                                                              |
|---------------------------------------------|------------------------------------------------------------------------------|
| Tested by .....                             | S. Zanivan                                                                   |
| Test date .....                             | 13.10.2025                                                                   |
| Test location (stand) .....                 | Laboratory                                                                   |
| Basic standard(s) .....                     | KDB 558074 D01 15.247 Meas Guidance v05r02 cl. 9 b)<br>ANSI C63.10 cl. 7.8.3 |
| Product standard(s) .....                   | FCC Rules and Regulation; Titles 47 Part. 15.247                             |
| Supplementary test set-up description ..... | --                                                                           |
| Supplementary information .....             | --                                                                           |

### Acceptance limits

For frequency hopping systems operating in the 902 – 928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0,4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0,4 seconds within a 10 second period. The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.

### Test setup



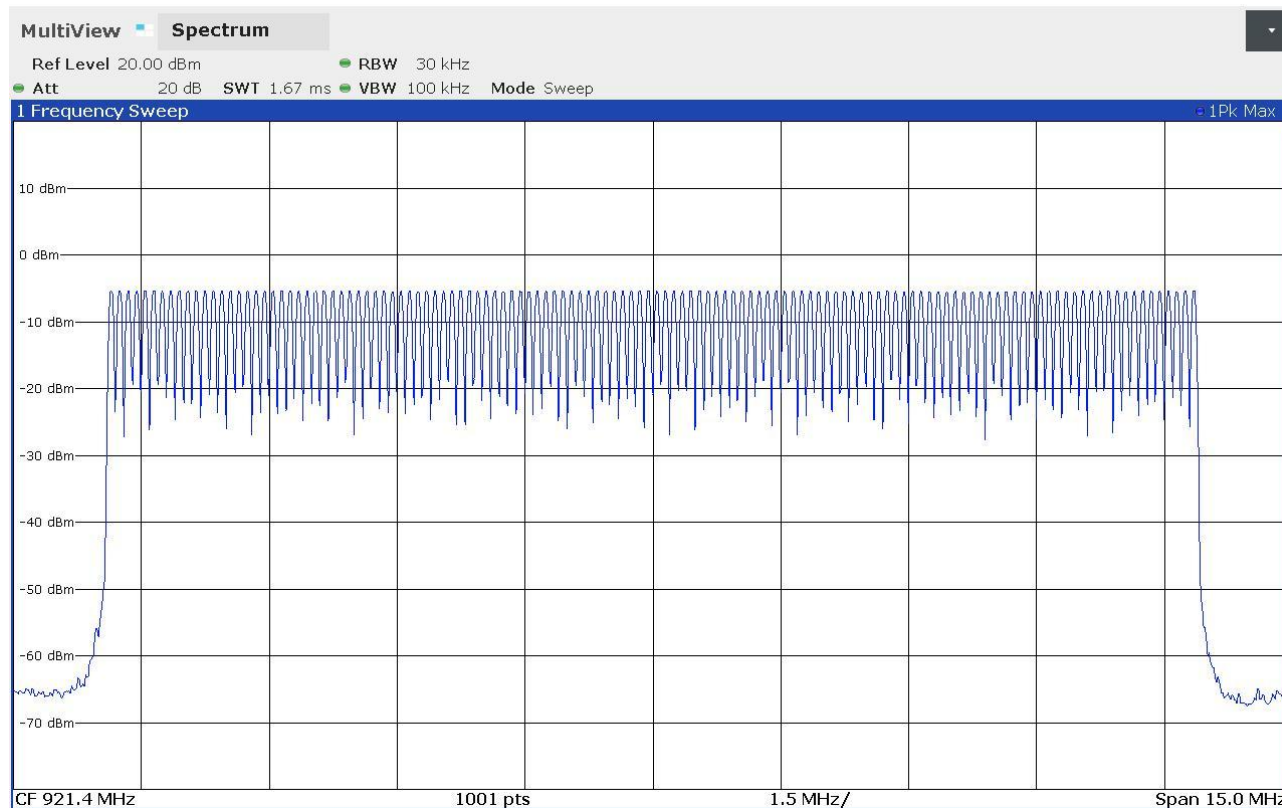
| Test setup PR002_01 |            |                 |       |               |                         |                            |                            |
|---------------------|------------|-----------------|-------|---------------|-------------------------|----------------------------|----------------------------|
| Nr.                 | Id. Number | Manufacturer    | Model | Serial number | Description             | Last calibration date      | Calibration expiration     |
| 2                   | CMC S295   | Rohde & Schwarz | FSW43 | 104059        | Spectrum Analyzer 43GHz | January 2023               | January 2026               |
| 1                   | --         | --              | --    | --            | Cable + attenuator      | Calibrated before the test | Calibrated before the test |

**Result**

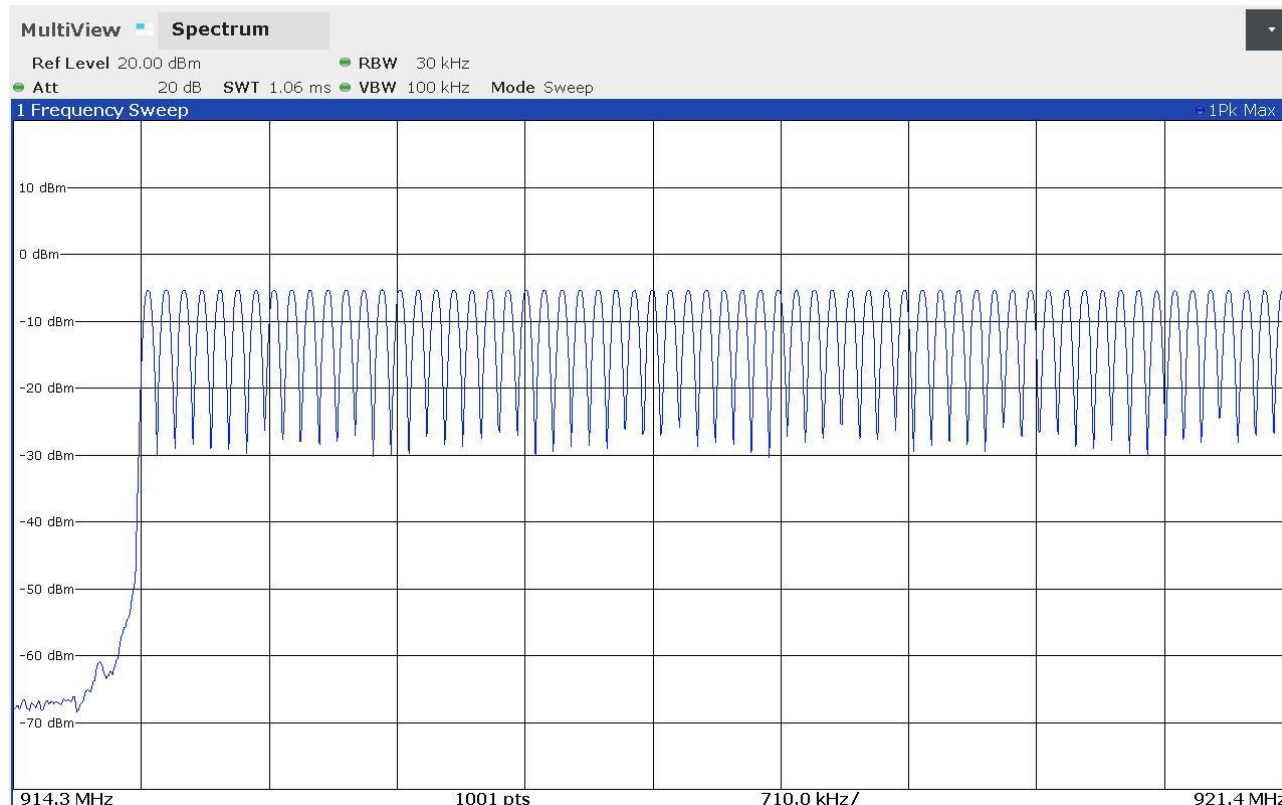
| <i>Frequency band<br/>(MHz)</i> | <i>Graphs</i>                    | <i>Number of<br/>hopping channels</i> | <i>Minimum number<br/>of hopping<br/>channels required</i> | <i>Verdict</i> |
|---------------------------------|----------------------------------|---------------------------------------|------------------------------------------------------------|----------------|
| 902 – 928                       | 25186329<br>25186330<br>25186331 | 128                                   | 50                                                         | P              |

## Graphs

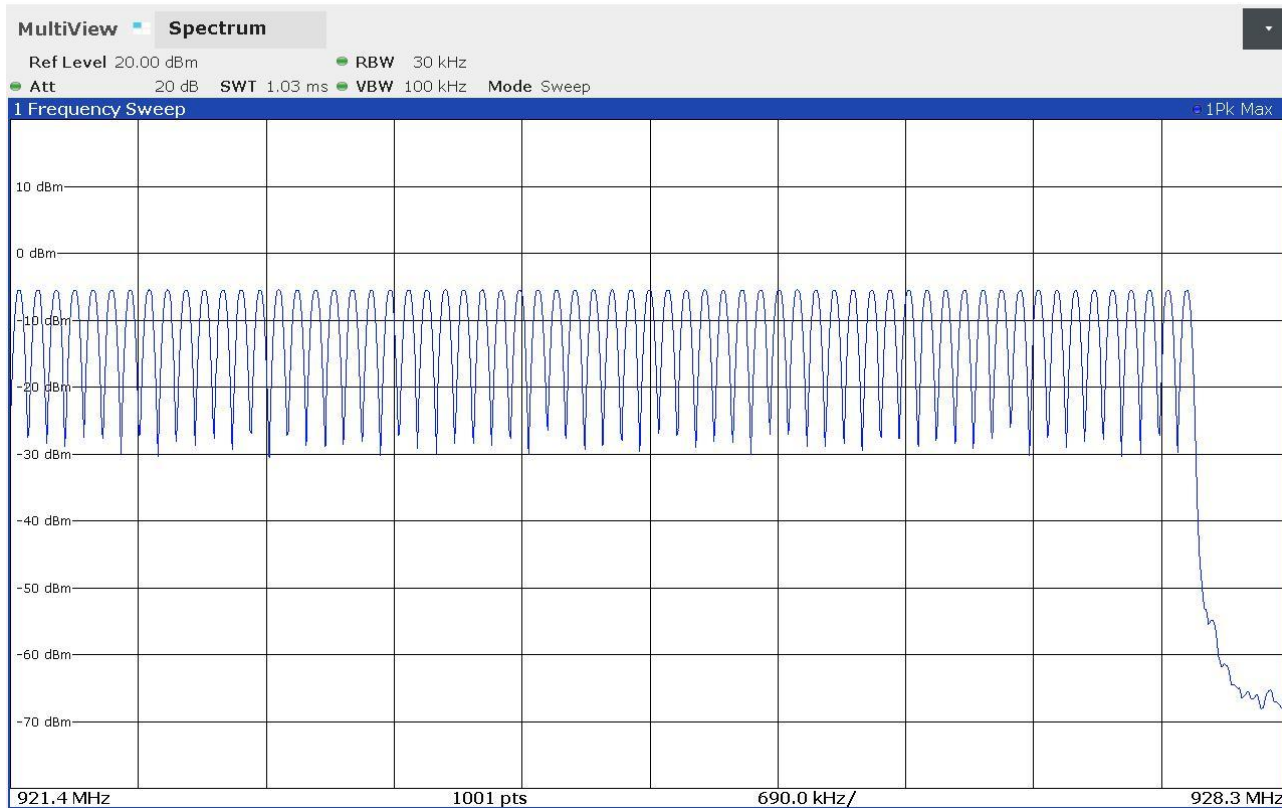
Zanivan 25186329



Zanivan 25186330



Zanivan 25186331



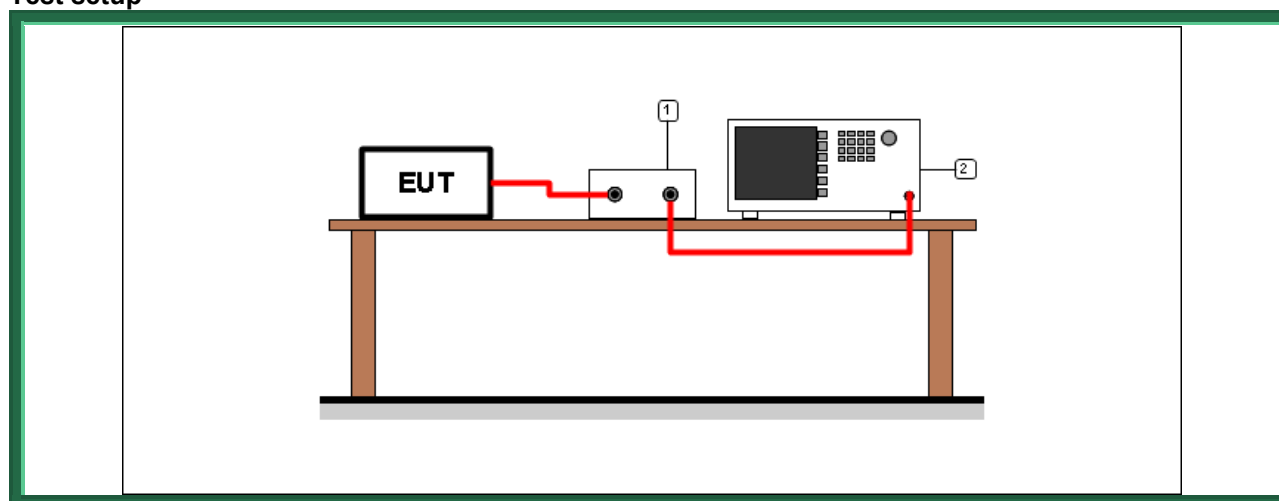
## Time of occupancy

|                                             |                                                                              |
|---------------------------------------------|------------------------------------------------------------------------------|
| Tested by .....                             | S. Zanivan                                                                   |
| Test date .....                             | 13.10.2025                                                                   |
| Test location (stand) .....                 | Laboratory                                                                   |
| Basic standard(s) .....                     | KDB 558074 D01 15.247 Meas Guidance v05r02 cl. 9 b)<br>ANSI C63.10 cl. 7.8.4 |
| Product standard(s) .....                   | FCC Rules and Regulation; Titles 47 Part. 15.247                             |
| Supplementary test set-up description ..... | --                                                                           |
| Supplementary information .....             | --                                                                           |

### Acceptance limits

For frequency hopping systems operating in the 902 – 928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0,4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0,4 seconds within a 10 second period. The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.

### Test setup



| Test setup PR002_01 |            |                 |       |               |                         |                            |                            |
|---------------------|------------|-----------------|-------|---------------|-------------------------|----------------------------|----------------------------|
| Nr.                 | Id. Number | Manufacturer    | Model | Serial number | Description             | Last calibration date      | Calibration expiration     |
| 2                   | CMC S295   | Rohde & Schwarz | FSW43 | 104059        | Spectrum Analyzer 43GHz | January 2023               | January 2026               |
| 1                   | --         | --              | --    | --            | Cable + attenuator      | Calibrated before the test | Calibrated before the test |

## Result

| <i>Transmission frequency (MHz)</i> | <i>Graphs</i> | <i>Dwell time (ms)</i> |
|-------------------------------------|---------------|------------------------|
| 915,05                              | 25186332      | 23,50                  |

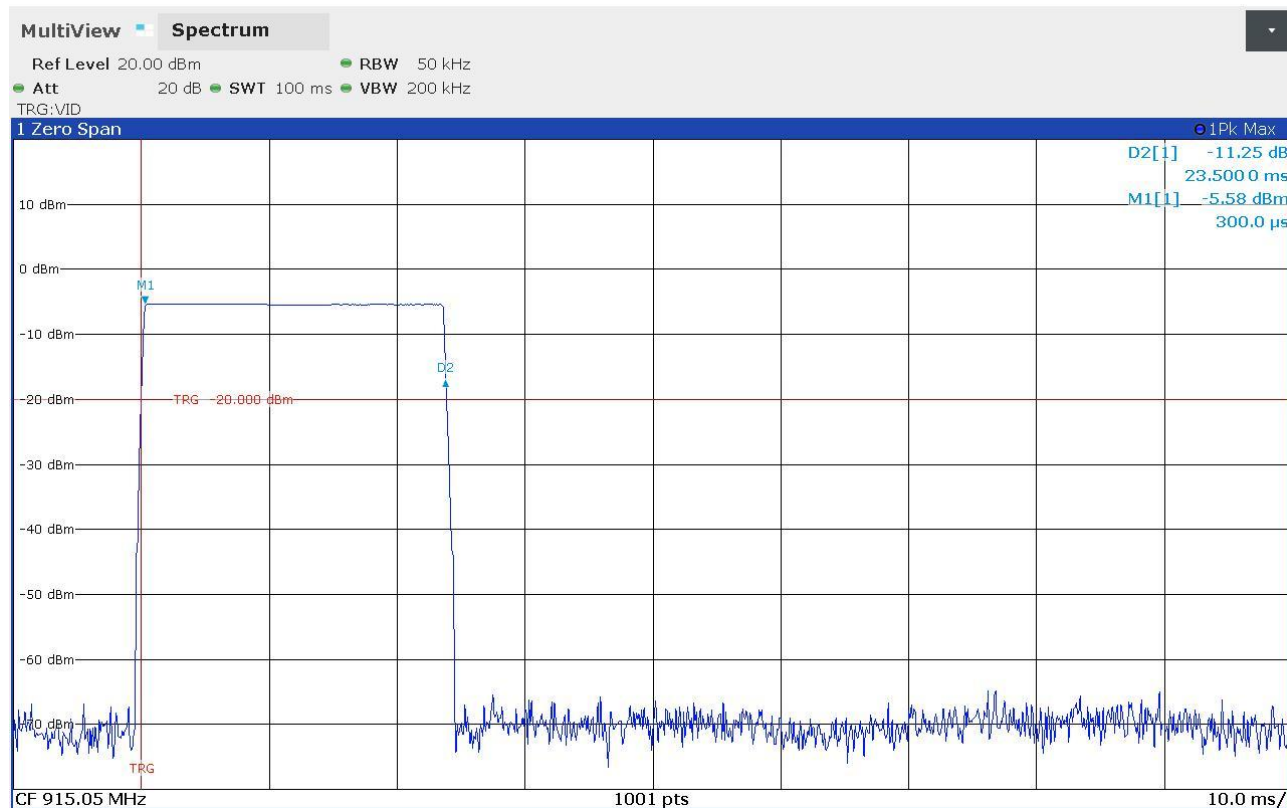
| <i>Transmission frequency (MHz)</i> | <i>Graphs</i> | <i>Number of transmissions</i> | <i>Period</i> |
|-------------------------------------|---------------|--------------------------------|---------------|
| 915,05                              | 25186334      | 3                              | 20 s          |

**Remarks:** only the highest peaks have been considered. The lowest peaks are due to the auxiliary receiver unit

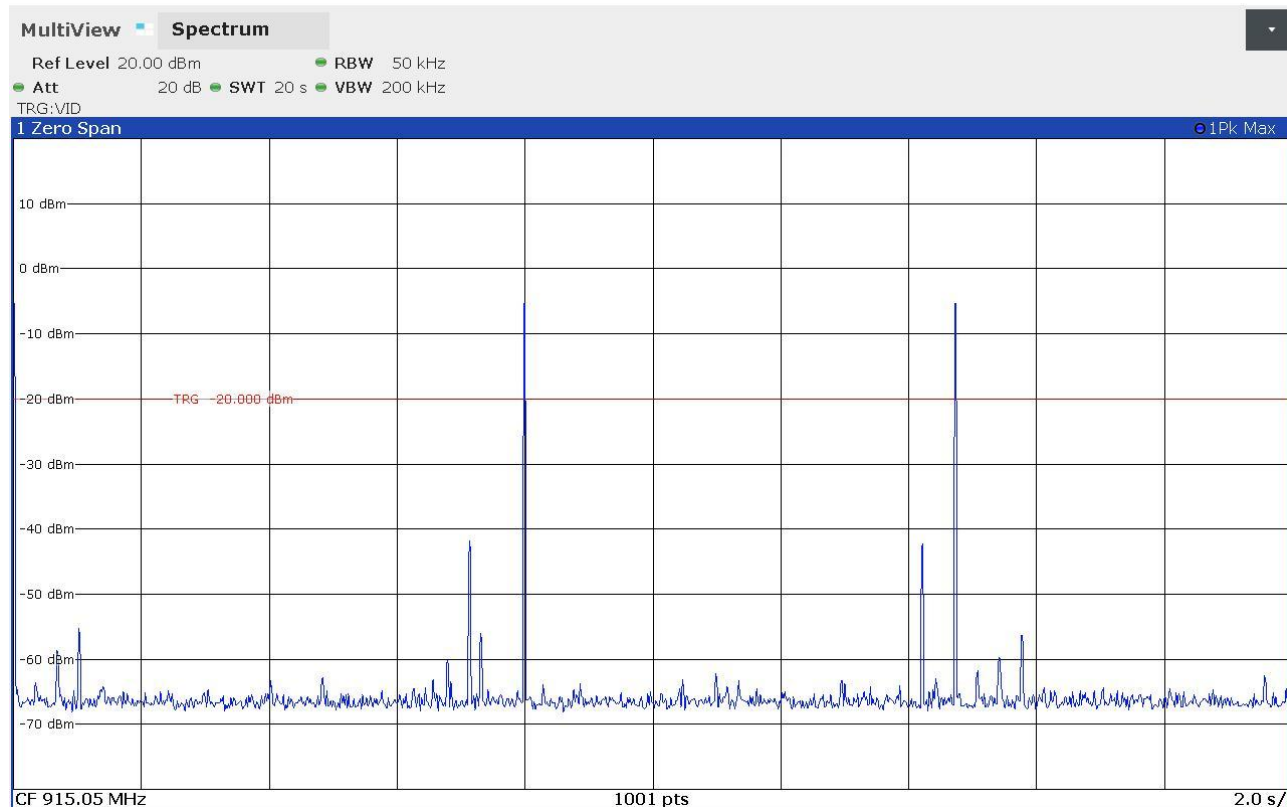
| <i>Time of occupancy (Dwell time x Nr. transmissions)</i> | <i>Maximum allowed time of occupancy</i> | <i>Verdict</i> |
|-----------------------------------------------------------|------------------------------------------|----------------|
| 70,50 ms                                                  | 400 ms                                   | P              |

## Graphs

Zanivan 25186332



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## Band edge

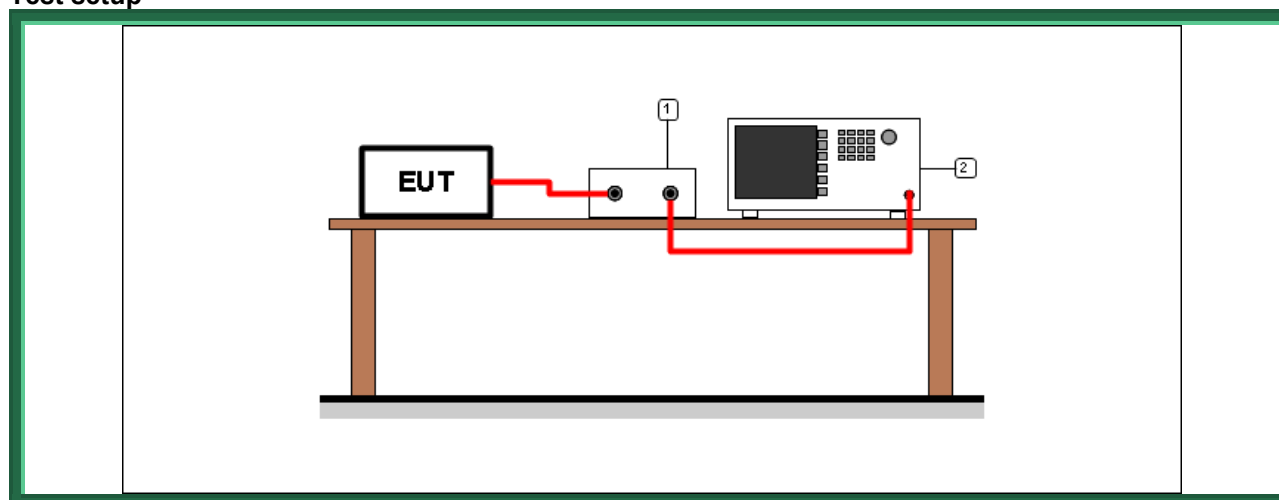
|                                             |                                                  |
|---------------------------------------------|--------------------------------------------------|
| Tested by .....                             | S. Zanivan                                       |
| Test date .....                             | 13.10.2025                                       |
| Test location (stand) .....                 | Laboratory                                       |
| Basic standard(s) .....                     | ANSI C63.10 cl. 7.8.6                            |
| Product standard(s) .....                   | FCC Rules and Regulation; Titles 47 Part. 15.247 |
| Supplementary test set-up description ..... | --                                               |
| Supplementary information .....             | --                                               |

### Acceptance limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter P with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

Operation within the band 902 – 928 MHz  $\pm$  RBW/2

### Test setup



Test setup PR002\_01

| Nr. | Id. Number | Manufacturer    | Model | Serial number | Description             | Last calibration date      | Calibration expiration     |
|-----|------------|-----------------|-------|---------------|-------------------------|----------------------------|----------------------------|
| 2   | CMC S295   | Rohde & Schwarz | FSW43 | 104059        | Spectrum Analyzer 43GHz | January 2023               | January 2026               |
| 1   | --         | --              | --    | --            | Cable + attenuator      | Calibrated before the test | Calibrated before the test |

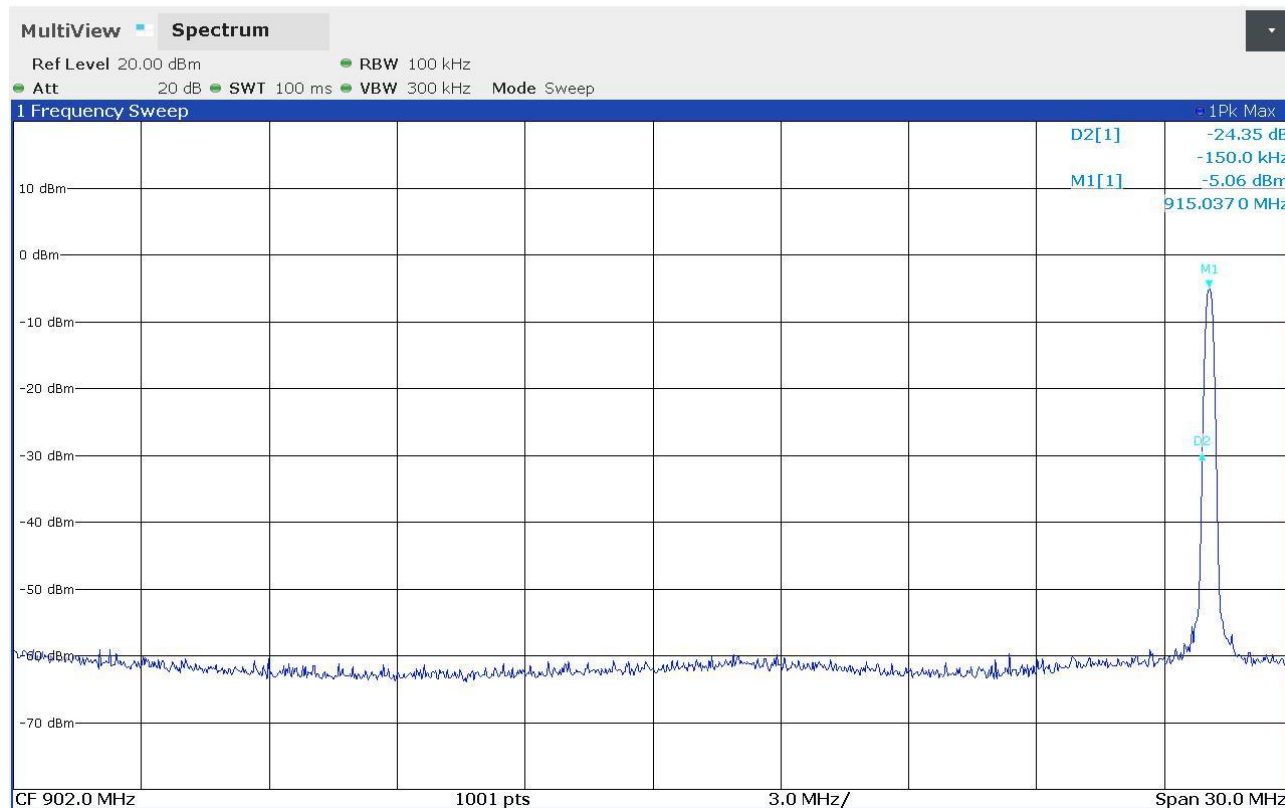
## Result

| <i>Transmission frequency (MHz)</i> | <i>Bandwidth</i> | <i>Graph(s) – Hopping</i> | <i>Absolute power (dBm)</i> | <i>Power limit (dBm)</i> | <i>Frequency</i>              | <i>Verdict</i> |
|-------------------------------------|------------------|---------------------------|-----------------------------|--------------------------|-------------------------------|----------------|
| 915,050                             | 100 kHz          | 25186327                  | -33,14                      | -25,18                   | F <sub>L</sub> : 914,8870 MHz | P              |
| 927,800                             | 100 kHz          | 25186335                  | -26,42                      | -25,46                   | F <sub>H</sub> : 927,9360 MHz | P              |

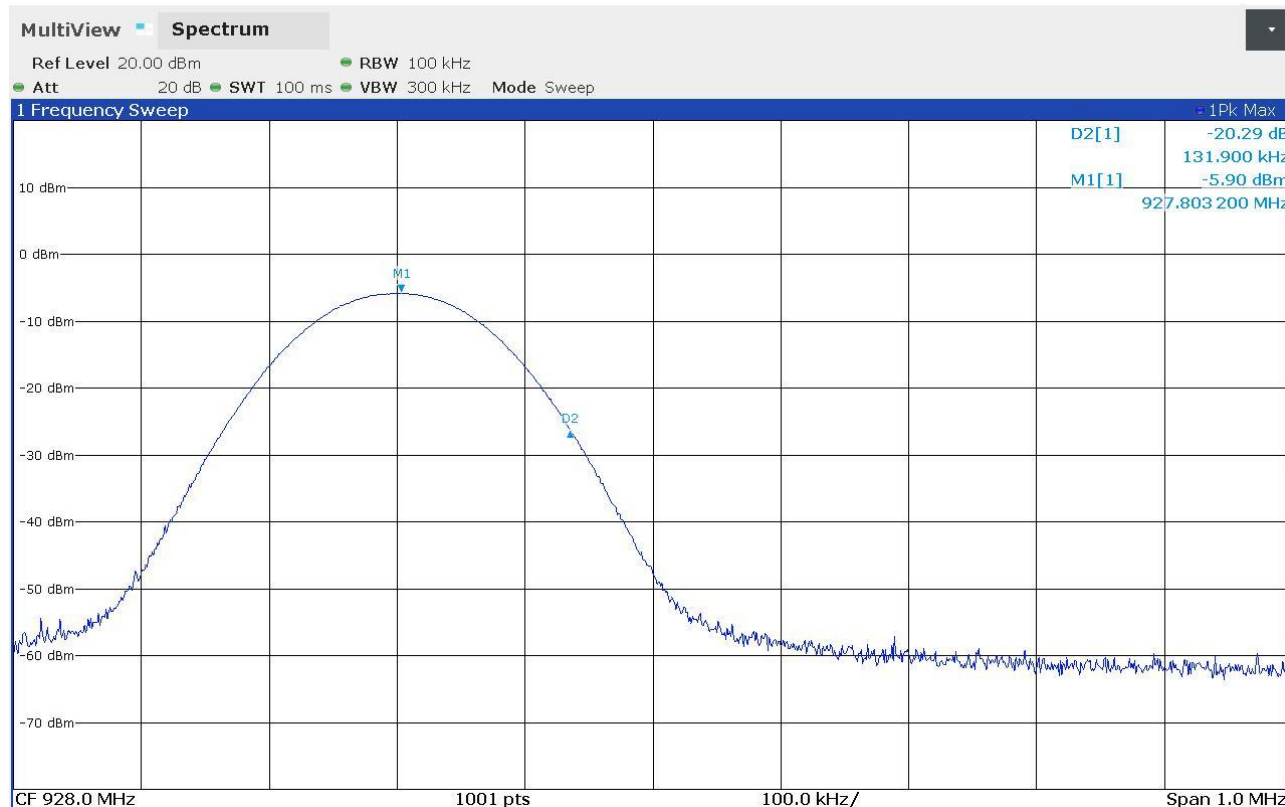
| <i>Transmission frequency (MHz)</i> | <i>Bandwidth</i> | <i>Graph(s) – No hopping</i> | <i>Absolute power (dBm)</i> | <i>Power limit (dBm)</i> | <i>Frequency</i>              | <i>Verdict</i> |
|-------------------------------------|------------------|------------------------------|-----------------------------|--------------------------|-------------------------------|----------------|
| 915,050                             | 100 kHz          | 25186316                     | -29,41                      | -25,06                   | F <sub>L</sub> : 914,8870 MHz | P              |
| 927,800                             | 100 kHz          | 25186326                     | -26,19                      | -25,90                   | F <sub>H</sub> : 927,9350 MHz | P              |

## Graphs

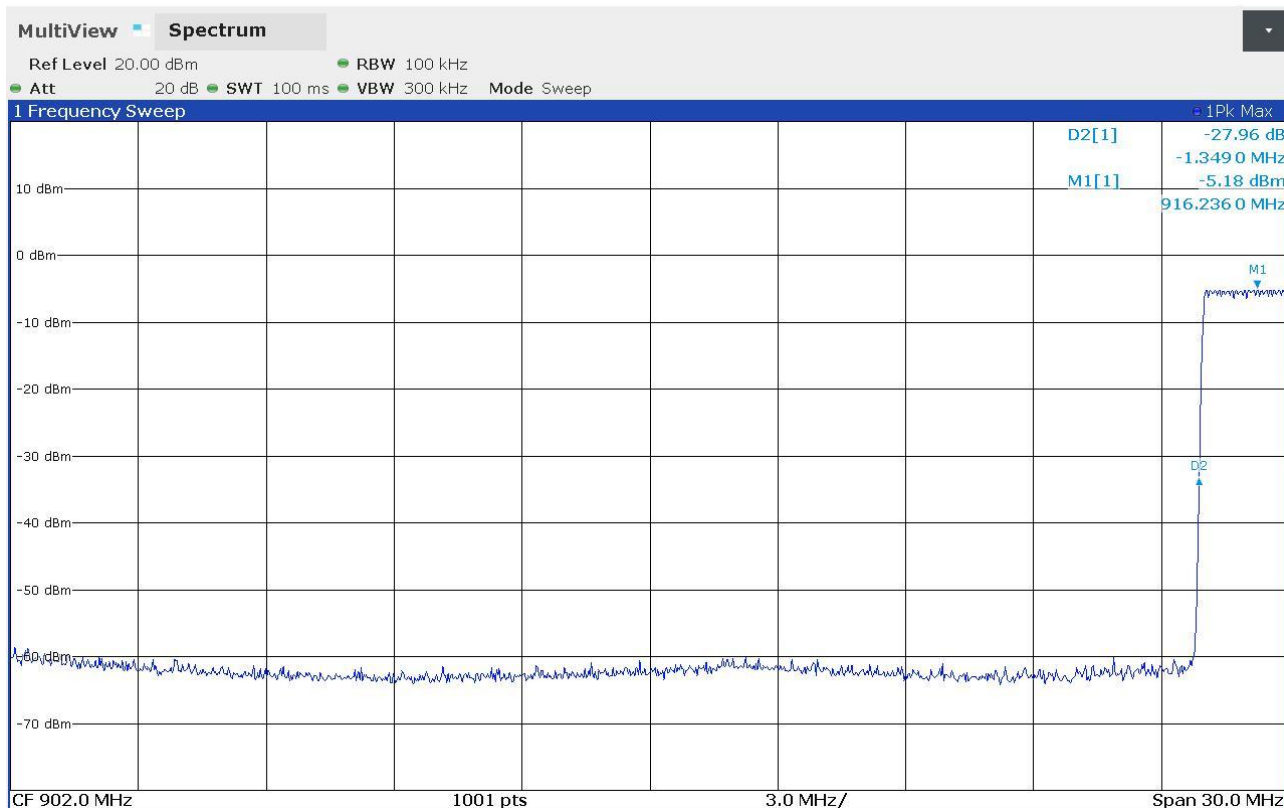
Zanivan 25186316



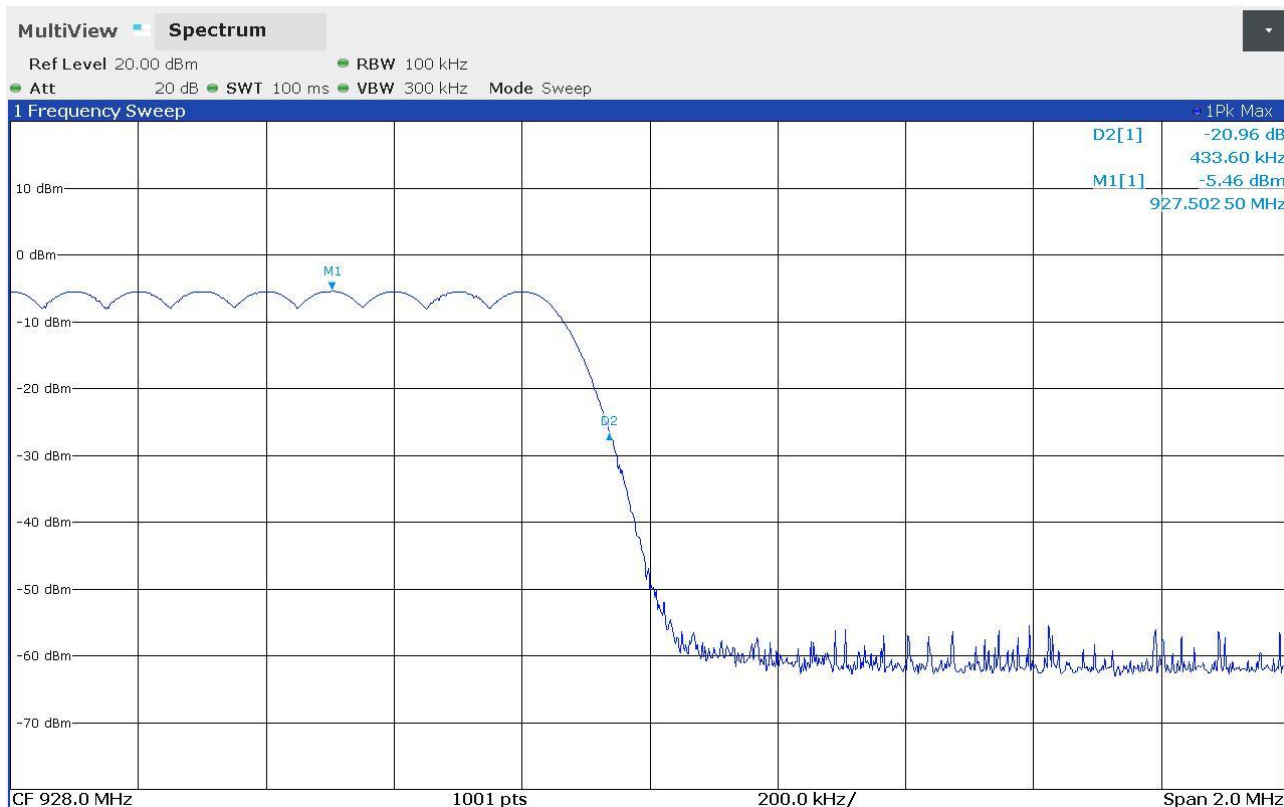
Zanivan 25186326



Zanivan 25186327



Zanivan 25186335



## Peak Output Power

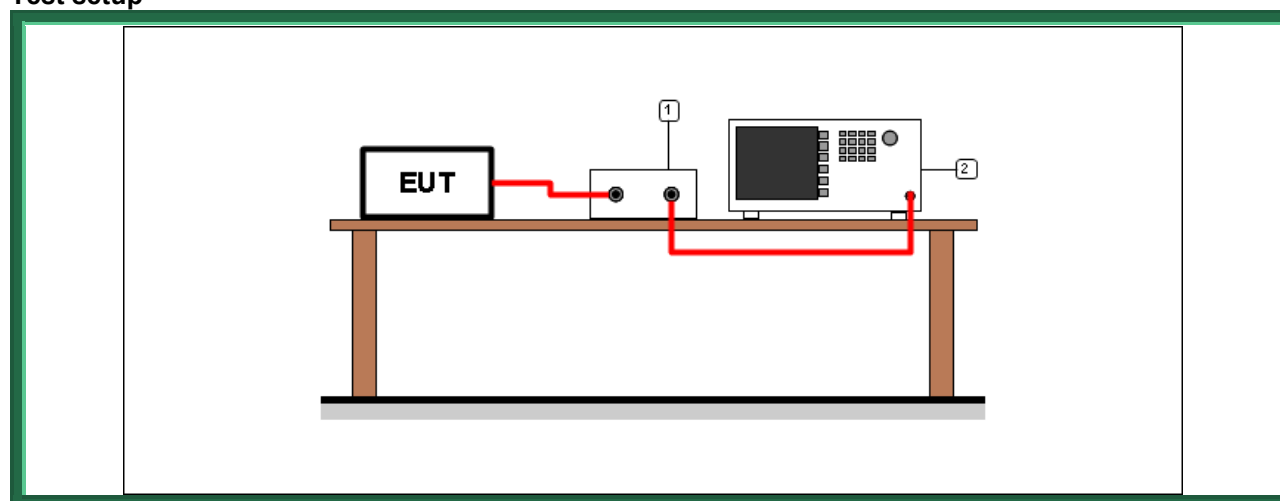
|                                             |                                                                             |
|---------------------------------------------|-----------------------------------------------------------------------------|
| Tested by .....                             | S. Zanivan                                                                  |
| Test date .....                             | 13.10.2025                                                                  |
| Test location (stand) .....                 | Laboratory                                                                  |
| Basic standard(s) .....                     | KDB 558074 D01 15.247 Meas Guidance v05r02 cl. 2.2<br>ANSI C63.10 cl. 7.8.5 |
| Product standard(s) .....                   | FCC Rules and Regulation; Titles 47 Part. 15.247                            |
| Supplementary test set-up description ..... | --                                                                          |
| Supplementary information .....             | --                                                                          |

### Acceptance limits

For frequency hopping systems operating in the 2400–2483,5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725–5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400–2483,5 MHz band: 0,125 watts.

For frequency hopping systems operating in the 902–928 MHz band: 1 watt for systems employing at least 50 hopping channels; and 0,25 watts for systems employing less than 50 hopping channels, but at least 25 hopping channels.

### Test setup



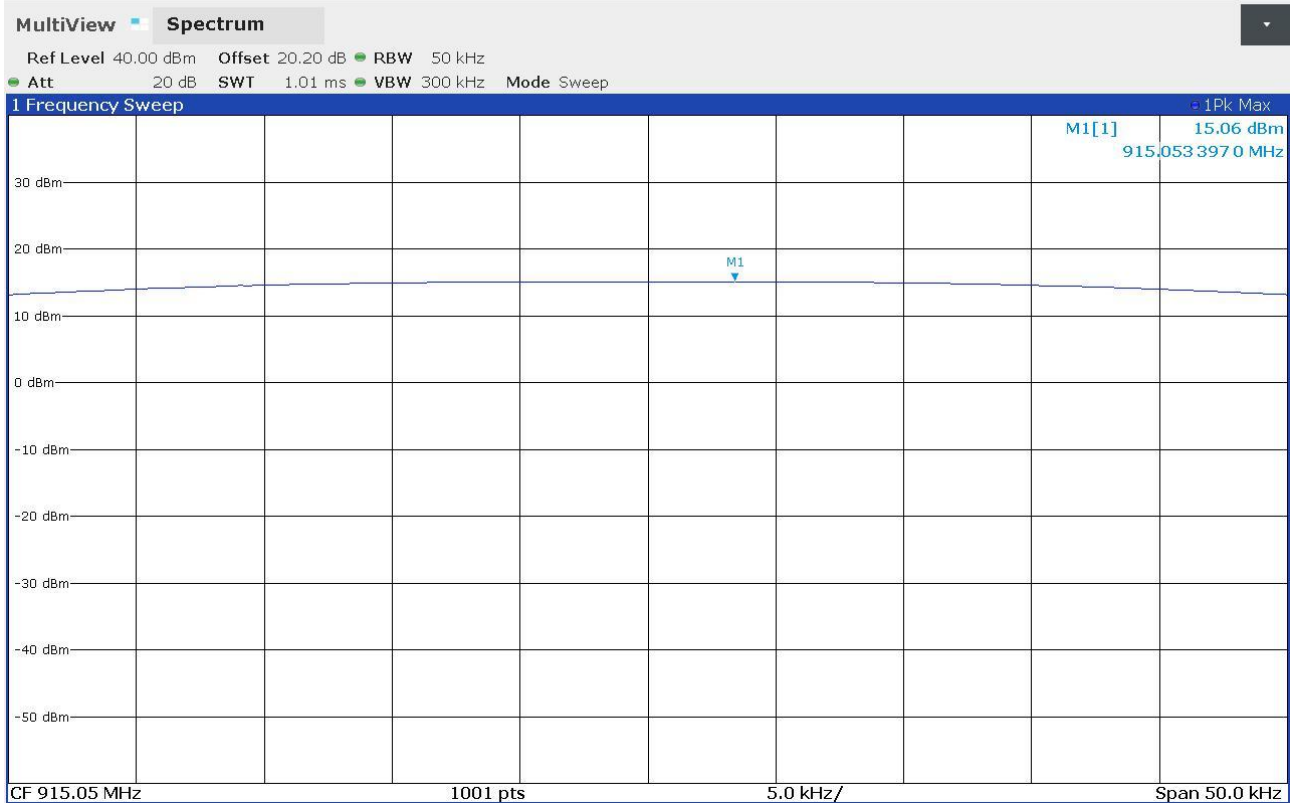
| Test setup PR002_01 |            |                 |       |               |                         |                            |                            |
|---------------------|------------|-----------------|-------|---------------|-------------------------|----------------------------|----------------------------|
| Nr.                 | Id. Number | Manufacturer    | Model | Serial number | Description             | Last calibration date      | Calibration expiration     |
| 2                   | CMC S295   | Rohde & Schwarz | FSW43 | 104059        | Spectrum Analyzer 43GHz | January 2023               | January 2026               |
| 1                   | --         | --              | --    | --            | Cable + attenuator      | Calibrated before the test | Calibrated before the test |

**Result**

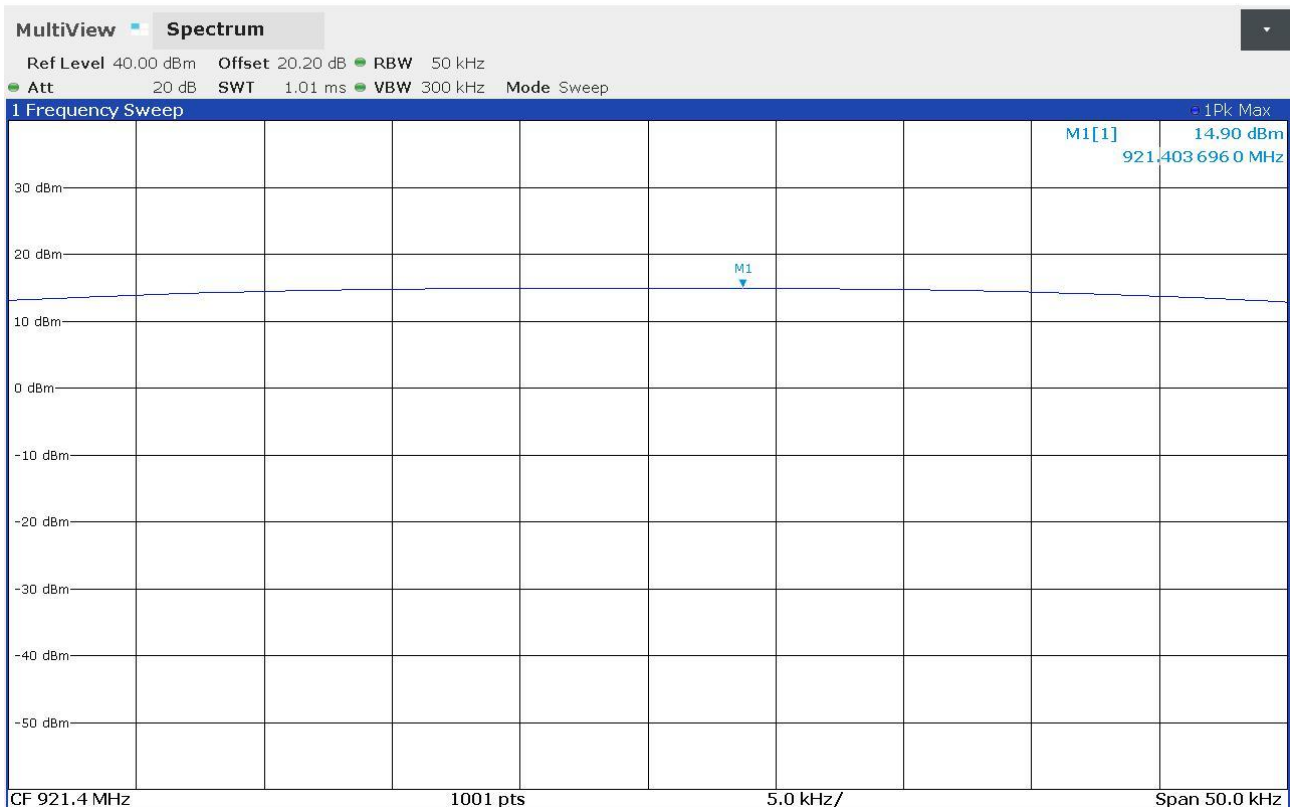
| <i>Transmission frequency (MHz)</i> | <i>Graphs</i> | <i>Peak Output Power (dBm)</i> | <i>Peak Output Power (mW)</i> | <i>Limit (mW)</i> | <i>Verdict</i> |
|-------------------------------------|---------------|--------------------------------|-------------------------------|-------------------|----------------|
| 915,050                             | 25186317      | 15,06                          | 32,06                         | 1000              | P              |
| 921,400                             | 25186322      | 14,90                          | 30,90                         | 1000              | P              |
| 927,800                             | 25186323      | 14,18                          | 26,18                         | 1000              | P              |

## Graphs

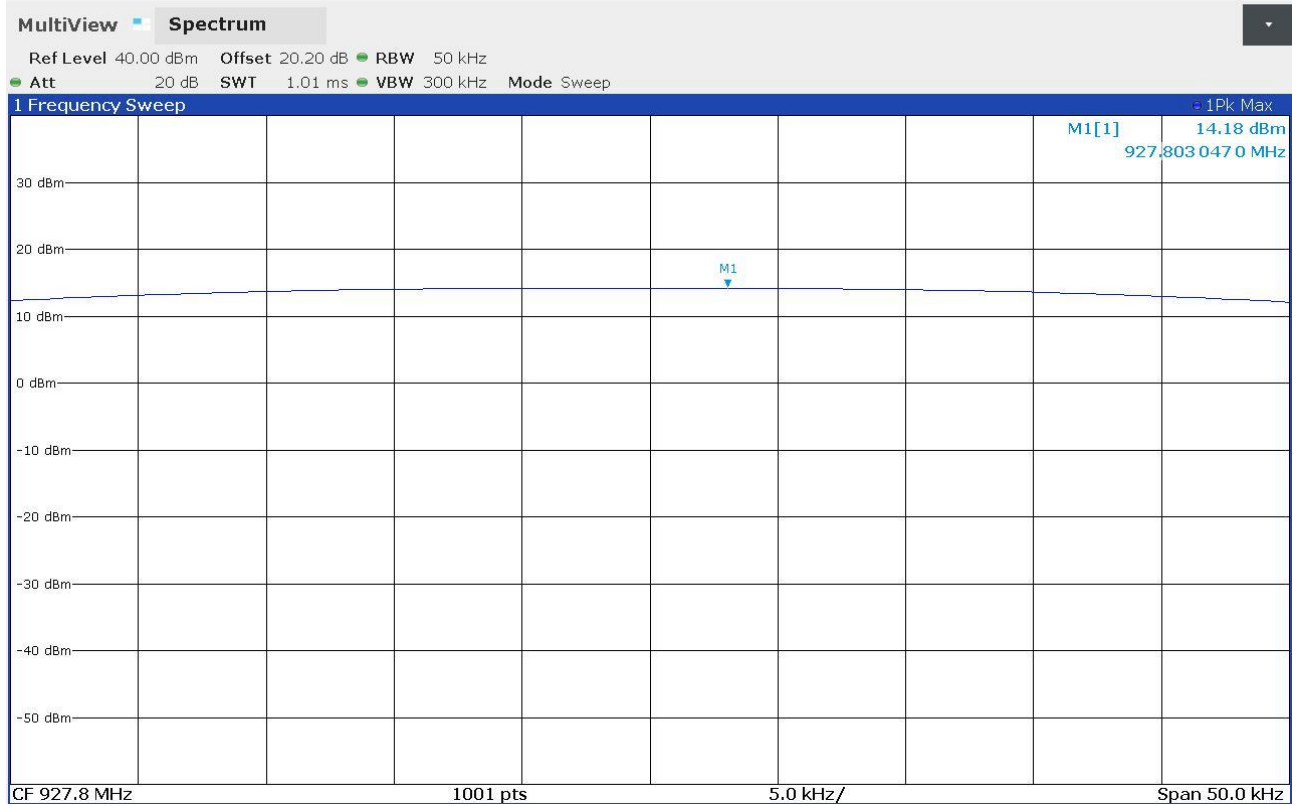
Zanivan 25186317



Zanivan 25186322



Zanivan 25186323



## Attachment 1

### Measurement uncertainty

| Test                                                      | Test Setup | Expanded uncertainty     | Note |
|-----------------------------------------------------------|------------|--------------------------|------|
| Conducted emission CISPR 16<br>LISN 50uH 0,009-0,0150 MHz | PE001_01   | 3,5 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   | 2,2 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    |
| Conducted emission CISPR 16<br>Clic CISPR 16              | 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   | 16,2 %                   | 1    |
| Harmonics                                                 | PE006_01   | 10 mA + 2,9 %            | 1    |
| Flicker                                                   | PE007_01   | 3,40 %                   | 1    |
| Radiated Immunity<br>80 MHz - 6 GHz                       | PE102_XX   | 2,43 dB 0,97 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    |

| 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 | $< 1 \times 10^{-7}$ | 1    |
| Timing zero span (1001pts.)                | PR002_01+02 | 0,2 % SWT            | 1    |
| Modulation bandwidth                       | PR002_01+02 | $< 1 \times 10^{-7}$ | 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_25_01 date 26/02/2025                        |            |                      |      |

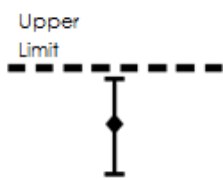
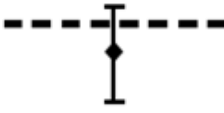
**Note 1:**

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  $k=2$

### 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. 4.1 (Quality Manual) .....  | Measure procedure                   |
| Internal Procedure INC_M rev. 10.1 (Quality Manual) ..... | Measurement uncertainty calculation |