

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                           |                                                                                     |                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <b>Prüfbericht-Nr.:</b><br><i>Test report no.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>CN26PQPC 001</b>                                                                                                                                                                                                                                                                                                                                                       | <b>Auftrags-Nr.:</b><br><i>Order no.:</i>                                           | <b>158331093</b><br><br><b>Seite 1 von 80</b><br><i>Page 1 of 80</i>                           |
| <b>Kunden-Referenz-Nr.:</b><br><i>Client reference no.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>N/A</b>                                                                                                                                                                                                                                                                                                                                                                | <b>Auftragsdatum:</b><br><i>Order date:</i>                                         | <b>2026-01-05</b>                                                                              |
| <b>Auftraggeber:</b><br><i>Client:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ravensburger Verlag GmbH<br>Otto-Maier-Straße 1, 88214 Ravensburg, Germany                                                                                                                                                                                                                                                                                                |                                                                                     |                                                                                                |
| <b>Prüfgegenstand:</b><br><i>Test item:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Tiptoi Charging Station</b>                                                                                                                                                                                                                                                                                                                                            |                                                                                     |                                                                                                |
| <b>Bezeichnung / Typ-Nr.:</b><br><i>Identification / Type no.:</i>                                                                                                                                                                                                                                                                                                                                                                                                            | <b>911 534</b>                                                                                                                                                                                                                                                                                                                                                            |                                                                                     |                                                                                                |
| <b>Auftrags-Inhalt:</b><br><i>Order content:</i>                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>FCC Certification</b>                                                                                                                                                                                                                                                                                                                                                  |                                                                                     |                                                                                                |
| <b>Prüfgrundlage:</b><br><i>Test specification:</i>                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>FCC Part 15 Subpart C</b>                                                                                                                                                                                                                                                                                                                                              |                                                                                     |                                                                                                |
| <b>Wareneingangsdatum:</b><br><i>Date of sample receipt:</i>                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>2025-12-08</b>                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                |
| <b>Prüfmuster-Nr.:</b><br><i>Test sample no.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>A004149474-001</b>                                                                                                                                                                                                                                                                                                                                                     |                                                                                     |                                                                                                |
| <b>Prüfzeitraum:</b><br><i>Testing period:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>2026-01-06 - 2026-02-25</b>                                                                                                                                                                                                                                                                                                                                            |                                                                                     |                                                                                                |
| <b>Ort der Prüfung:</b><br><i>Place of testing:</i>                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Hong Kong</b>                                                                                                                                                                                                                                                                                                                                                          |                                                                                     |                                                                                                |
| <b>Prüflaboratorium:</b><br><i>Testing laboratory:</i>                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>TÜV Rheinland Hong Kong Ltd.</b>                                                                                                                                                                                                                                                                                                                                       |                                                                                     |                                                                                                |
| <b>Prüfergebnis*:</b><br><i>Test result*:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Pass</b>                                                                                                                                                                                                                                                                                                                                                               |                                                                                     |                                                                                                |
| <b>geprüft von:</b><br><i>tested by:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>X</b>                                                                                                                                                                                                                                                                               | <b>genehmigt von:</b><br><i>authorized by:</i>                                      | <b>X</b>  |
| <b>Datum:</b><br><i>Date:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>2026-08-17</b>                                                                                                                                                                                                                                                                                                                                                         | <b>Ausstellungsdatum:</b><br><i>Issue date:</i>                                     | <b>2026-08-17</b>                                                                              |
| <b>Stellung / Position:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Assistant Test Engineer</b>                                                                                                                                                                                                                                                                                                                                            | <b>Stellung / Position:</b>                                                         | <b>Authorizer</b>                                                                              |
| <b>Sonstiges / Other:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <p>“Decision Rule” document announced in our website (<a href="https://www.tuv.com/landingpage/en/qm-gcn/">https://www.tuv.com/landingpage/en/qm-gcn/</a>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.</p> <p>FCC ID: 2A2XI111<br/>Document no.: 41793-00-003<br/>SAP no.: 1062307</p> |                                                                                     |                                                                                                |
| <b>Zustand des Prüfgegenstandes bei Anlieferung:</b><br><i>Condition of the test item at delivery:</i>                                                                                                                                                                                                                                                                                                                                                                        | <b>Prüfmuster vollständig und unbeschädigt</b><br><i>Test item complete and undamaged</i>                                                                                                                                                                                                                                                                                 |                                                                                     |                                                                                                |
| <p>* Legende: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht<br/>         * Legend: P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested</p>                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                           |                                                                                     |                                                                                                |
| <p><b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b><br/> <i>This test report only relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i></p> |                                                                                                                                                                                                                                                                                                                                                                           |                                                                                     |                                                                                                |

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## Anmerkungen Remarks

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <p>Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben.</p> <p>Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</p> <p><i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2 | <p>Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben. Informationen zur Verifizierung der Authentizität unserer Dokumente erhalten Sie auf folgender Webseite: <a href="http://go.tuv.com/digital-signature">go.tuv.com/digital-signature</a></p> <p><i>As contractually agreed, this document has been signed digitally only. TUV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TUV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged. For information on verifying the authenticity of our documents, please visit the following website: <a href="http://go.tuv.com/digital-signature">go.tuv.com/digital-signature</a></i></p> |
| 3 | <p>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben.</p> <p>Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.</p> <p><i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i></p> <p><i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 4 | <p>Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2023, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019.</p> <p><i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2023, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i></p>                                                                                                                                                                                                                                                                                       |

|                                                    |                                                                   |                                                                            |                                  |
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|                                                    |                                                                   |                                                                            |                                  |                                |
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## Product Information

### Manufacturers declarations

|                                         |                      |
|-----------------------------------------|----------------------|
| <b>Wi-Fi</b>                            | <b>Transmitter</b>   |
| Operating frequency range               | 2412 - 2462 MHz      |
| Type of modulation                      | DSSS, OFDM           |
| Number of channels                      | 11                   |
| Channel separation                      | 5MHz                 |
| Type of antenna                         | FPC Antenna          |
| Antenna gain (dBi)                      | 1.6 dBi              |
| Power level                             | fix                  |
| <b>General</b>                          |                      |
| Type of equipment                       | Portable Used Device |
| Connection to public utility power line | No                   |
| Nominal voltage                         | 5.0 VDC              |
| Independent Operation Modes             | Transceiver          |

### Product function and intended use

The equipment under test (EUT) is an OID PEN WIFI charging station with Wi-Fi connectivity. It supports Wi-Fi IEEE 802.11b/g/n (HT20/ HT40).

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|               |                            |
|---------------|----------------------------|
| <b>Models</b> | <b>Product description</b> |
| 911 534       | Tiptoi Charging Station    |

### Submitted documents

Circuit Diagram, Block Diagram, Technical Description, User manual, Label

### Independent Operation Modes

The basic operation modes are:

- Transmitting mode.

For further information refer to User Manual

### Related Submittal(s) Grants

This is a single application for certification of the Transceiver Module.

### Remark

During the test, channel and power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power was selected according to the instruction given by the manufacturer. The setting of the RF output power expected by the customer shall be fixed on the firmware of the end product.

|                                                    |                                                                   |                                                                            |                                  |                                |
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## Test Set-up and Operation Mode

### Principle of Configuration Selection

**Emission:** The equipment under test (EUT) was configured to measure its highest possible radiation level.  
The test modes were adapted accordingly in reference to the instructions for use.

### Test Operation and Test Software

Test operation should refer to test methodology.

- Test mode samples with maximum RF output power and duty cycle and capable to transmit continuously at the lowest, middle and highest frequency channels are provided by the applicant for the testing.

### Special Accessories and Auxiliary Equipment

The product has been tested together with the following additional accessories:

| Item    | Manufacturer                                 | Model              | S/N |
|---------|----------------------------------------------|--------------------|-----|
| Adapter | SHENZHEN<br>PETERPOWER<br>TECHNOLOGY CO.,LTD | KA0601A-0501000USU | --- |
| TT Pen  | Ravensburger<br>Spieleverlag GmbH            | N/A                | --- |

### Countermeasures to achieve EMC Compliance

- None

|                                      |                                                     |                                                              |                    |                                |
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## Test Methodology

### Radiated Emission

The radiated emission measurements of the transmitter part were performed according to the procedures in ANSI C63.10-2020.

For measurement below 1GHz - the equipment under test (EUT) was placed at the middle of the 80 cm height turntable. For measurement above 1GHz - the EUT was placed at the middle of the 1.5 m height turntable and RF absorbing material was placed on ground plane between turntable and measuring antenna. During the testing, the EUT was operated standalone and arranged for maximum emissions. The EUT was tested in three orthogonal planes.

The investigation is performed with the EUT rotated 360 °, the antenna height scanned between 1m and 4m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations. Repeat the measurement steps until the maximum emissions were obtained.

All radiated tests were performed at an antenna to EUT with 3 meters distance, unless stated otherwise in particular parts of this test report.

### Field Strength Calculation

The field strength at 3 m was established by adding the meter reading of the spectrum analyzer to the factors associated with antenna correction factor, cable loss, preamplifiers and filter attenuation.

The equation is expressed as follow:

$$FS = R + AF + CF + FA - PA$$

Where

- FS = Field Strength in dBuV/m at 3 meters.
- R = Reading of Spectrum Analyzer in dBuV.
- AF = Antenna Factor in dB.
- CF = Cable Attenuation Factor in dB.
- FA = Filter Attenuation Factor in dB.
- PA = Preamplifier Factor in dB.

FA and PA are only be used for the measuring frequency above 1 GHz.

### Conducted Emission Calculation

Receiver reading  $R_r$  (dBμV)  
LISN insertion loss  $L_I$  (dB)  
Cable loss  $C_I$  (dB)

$$\text{Result (dBμV)} = R_r + L_I + C_I$$

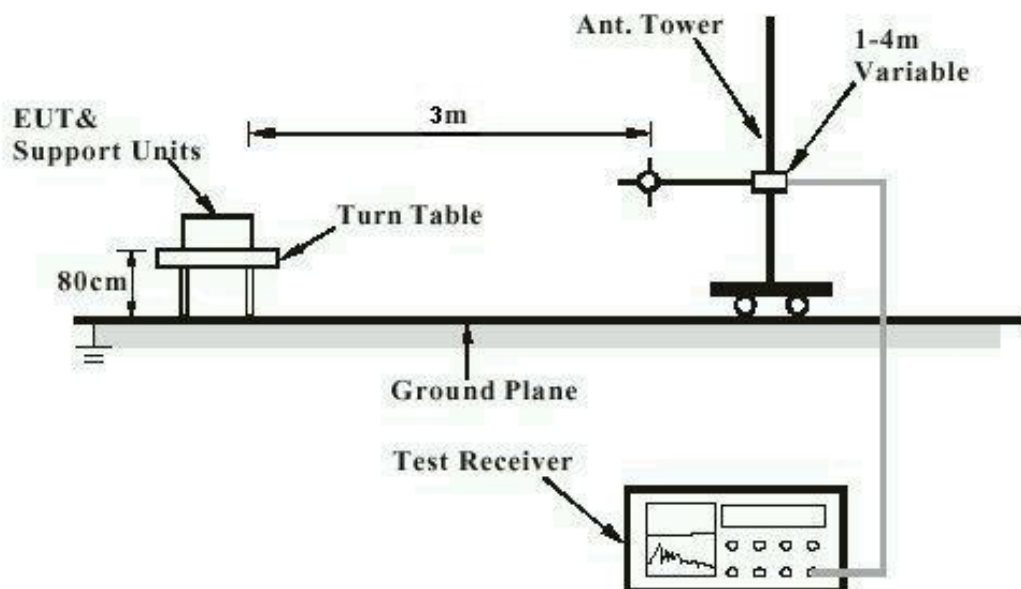
Sample:  $R_r = 40.2$  dBμV  
 $L_I = 10.2$  dB  
 $C_I = 0.3$  dB

$$\text{Result} = 40.2 + 10.2 + 0.3 = 50.7 \text{ dBμV}$$

|                                      |                                                     |                                                              |                                |
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## Test Setup Diagram

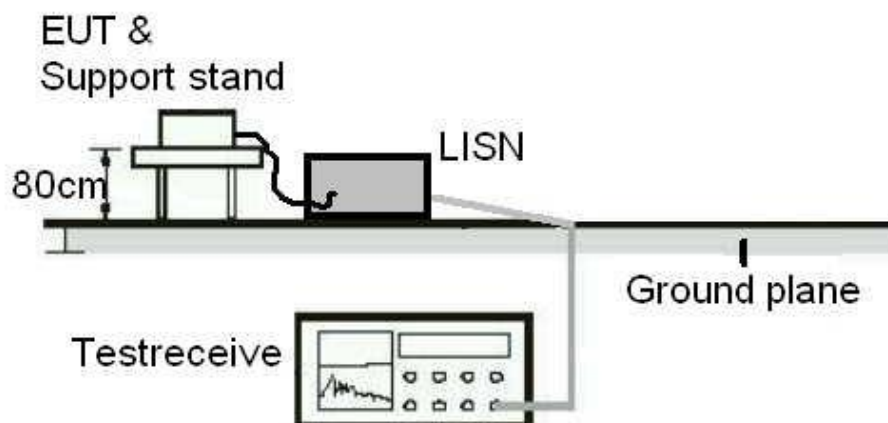
Diagram of Measurement Configuration for Radiation Test



**Note:** Measurements above 1 GHz are done with a table height of 1.5m. In addition, there is RF absorbing material on the floor of the test site for above 1GHz measurement.

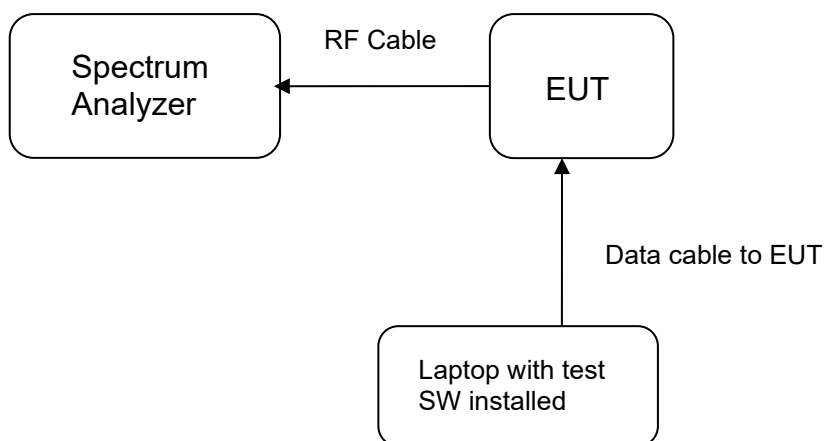
Diagram of Measurement Equipment Configuration for Mains Conduction Measurement (if applicable)

|                                                    |                                                                   |                                                                            |                                  |                                |
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**Diagram of Equipment Configuration for Antenna-port Conducted Measurement (if applicable)**



|                                                    |                                                                   |                                                                            |                                  |                                  |
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## Test Facility

### Test Laboratory Information

#### TÜV Rheinland Hong Kong Ltd.

Address: 3-4/F, Fou Wah Industrial Building, 10-16 Pun Shan Street, Tsuen Wan, N.T., Hong Kong

Tel.: +852 2192 1000

Fax: +852 2192 1001

Email: service-gc@tuv.com

The test facility is recognized or accredited by the following organizations:

#### FCC

Designation Number : HK0013

#### Hong Kong Productivity Council

Address: LG1/F, HKPC Building 78 Tat Chee Avenue, Kowloon, Hong Kong

Tel.: +852 2788 6396

Fax: +852 2788 5405

Email: emc@hkpc.org

The test facility is recognized or accredited by the following organizations:

#### FCC

Designation Number : HK0012

|                                                    |                                                                   |                                                                            |                                  |                                  |
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## List of Test and Measurement Instruments

### Hong Kong Productivity Council

#### Radiated Emission

| Equipment                                | Manufacturer                   | Type          | Cal. Date  | Due Date   |
|------------------------------------------|--------------------------------|---------------|------------|------------|
| Multi-functional Anechoic Chamber (NSA)  | Albatross                      | ---           | 2026-01-06 | 2027-01-06 |
| Multi-functional Anechoic Chamber (VSWR) | Albatross                      | ---           | 2026-01-06 | 2027-01-06 |
| Test Receiver                            | Rohde & Schwarz                | ESU40         | 2025-03-21 | 2026-03-21 |
| Double-Ridged Waveguide Horn             | EMCO                           | 3117          | 2024-11-21 | 2026-03-21 |
| Bi-conical Antenna                       | Rohde & Schwarz                | HK116         | 2024-10-24 | 2026-10-24 |
| Log Periodic Antenna                     | Rohde & Schwarz                | HL223         | 2024-10-25 | 2026-10-25 |
| Cable                                    | SF118/11N/11N /12000MM         | Huber+Suhner  | 2025-01-06 | 2027-01-06 |
| Microwave amplifier                      | COM-POWER Corporation          | PAM-118A      | 2025-03-04 | 2026-03-04 |
| High Pass Filter                         | Trilithic                      | 23042         | 2025-10-30 | 2027-10-30 |
| Double-Ridged Waveguide Horn             | EMCO                           | 3116          | 2024-11-30 | 2026-03-30 |
| High Frequency Cable                     | Pasternack                     | PE3VNA4001-3M | 2025-06-12 | 2027-06-12 |
| Preamplifier 18GHz to 40GHz              | A.H. Systems, Inc. Corporation | PAM-1840VH    | 2026-01-27 | 2027-01-27 |
| Band Reject Filter                       | Micro-Tronics                  | Brm13026      | 2025-10-30 | 2027-10-30 |

### TÜV Rheinland Hong Kong Ltd.

#### Conducted Emission on AC mains port

| Equipment          | Manufacturer    | Type           | Cal. Date  | Due Date   |
|--------------------|-----------------|----------------|------------|------------|
| EMI Test Receiver  | R & S           | ESR3           | 2025-09-26 | 2026-09-26 |
| Two-Line V-network | R & S           | ENV216         | 2025-11-03 | 2026-11-03 |
| RF Coaxial Cable   | R & S           | N/A            | 2025-08-12 | 2026-08-12 |
| Test Software      | Rohde & Schwarz | EMC32 V9.26.01 |            |            |

#### Radio Test

| Equipment         | Manufacturer | Type  | Cal. Date  | Due Date   |
|-------------------|--------------|-------|------------|------------|
| Spectrum Analyzer | R & S        | FSV40 | 2025-08-07 | 2026-08-07 |

|                                                    |                                                                   |                                                                            |                                  |                                  |
|----------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|----------------------------------|
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## Measurement Uncertainty

The estimated combined standard uncertainty for powerline conducted emissions measurements is  $\pm 3.22\text{dB}$ .

The estimated combined standard uncertainty for radiated emissions measurements is  $\pm 2.44\text{dB}$  (9kHz to 30MHz) and  $\pm 5.92\text{dB}$  (30MHz to 1000MHz) and is  $\pm 4.92\text{dB}$  (1GHz to 18GHz).

The estimated combined standard uncertainty for antenna conducted emission is  $\pm 1.94\text{dB}$

The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor of  $k=2$ , which for the level of confidence is approximately 95%.

|                                                    |                                                                   |                                                                            |                                  |                                  |
|----------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|----------------------------------|
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## Results FCC Part 15 - Subpart C

|                                           |                                                                                             |             |
|-------------------------------------------|---------------------------------------------------------------------------------------------|-------------|
| <b>FCC 15.203 – Antenna Requirement 1</b> |                                                                                             | <b>Pass</b> |
| <b>Requirements:</b>                      | No antenna other than that furnished by the responsible party shall be used with the device |             |
| <b>Results:</b>                           | a) Antenna type                                                                             | FPC Antenna |
|                                           | b) Manufacturer and model no.:                                                              | N/A         |
|                                           | c) Peak Gain:                                                                               | 1.6 dBi     |
| <b>Verdict:</b>                           | Pass                                                                                        |             |

|                                           |                                                                                                                                                                                                                              |             |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| <b>FCC 15.204 – Antenna Requirement 2</b> |                                                                                                                                                                                                                              | <b>Pass</b> |
| <b>Requirements:</b>                      | An intentional radiator may be operated only with the antenna with which it is authorized. If an antenna is marketed with the intentional radiator, it shall be of a type which is authorized with the intentional radiator. |             |
| <b>Results:</b>                           | Only one integral antenna can be used.                                                                                                                                                                                       |             |
| <b>Verdict:</b>                           | Pass                                                                                                                                                                                                                         |             |

|                                                    |                                                                   |                                                                            |                                  |                                  |
|----------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|----------------------------------|
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|                                                                                                                                                                                                                                                                                                                                                                                       |                          |                        |                       |                        |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------|-----------------------|------------------------|----------------|
| <b>FCC 15.207 – Conducted Emission on AC Mains</b>                                                                                                                                                                                                                                                                                                                                    |                          |                        |                       |                        | <b>Pass</b>    |
| Test method : ANSI C63.10-2020<br>Test date : 2026-02-20<br>Mode of operation : TX mode<br>Port of testing : AC Mains input port of power supply<br>Supply voltage : 120VAC 60Hz<br>Temperature : 21.5°C<br>Humidity : 52.5%                                                                                                                                                          |                          |                        |                       |                        |                |
| <b>Requirement:</b> 15.207(a)                                                                                                                                                                                                                                                                                                                                                         |                          |                        |                       |                        |                |
| <b>Results:</b> For test protocols please refer to Appendix 1                                                                                                                                                                                                                                                                                                                         |                          |                        |                       |                        |                |
| Mode: Wi-Fi link + Charging mode with TT PEN                                                                                                                                                                                                                                                                                                                                          |                          |                        | Live measurement      |                        |                |
| <b>Frequency (MHz)</b>                                                                                                                                                                                                                                                                                                                                                                | <b>Quasi-peak (dBµV)</b> | <b>Limit QP (dBµV)</b> | <b>Average (dBµV)</b> | <b>Limit AV (dBµV)</b> | <b>Verdict</b> |
| 0.156                                                                                                                                                                                                                                                                                                                                                                                 | 43.7                     | 65.6                   | 25.1                  | 55.6                   | Pass           |
| 0.440                                                                                                                                                                                                                                                                                                                                                                                 | 33.7                     | 57.0                   | 20.5                  | 47.0                   | Pass           |
| 0.787                                                                                                                                                                                                                                                                                                                                                                                 | 26.8                     | 56.0                   | 19.8                  | 46.0                   | Pass           |
| Mode: Wi-Fi link + Charging mode with TT PEN                                                                                                                                                                                                                                                                                                                                          |                          |                        | Neutral measurement   |                        |                |
| <b>Frequency (MHz)</b>                                                                                                                                                                                                                                                                                                                                                                | <b>Quasi-peak (dBµV)</b> | <b>Limit QP (dBµV)</b> | <b>Average (dBµV)</b> | <b>Limit AV (dBµV)</b> | <b>Verdict</b> |
| 0.152                                                                                                                                                                                                                                                                                                                                                                                 | 45.5                     | 65.9                   | 26.9                  | 55.9                   | Pass           |
| 0.420                                                                                                                                                                                                                                                                                                                                                                                 | 34.4                     | 57.3                   | 22.8                  | 47.3                   | Pass           |
| 0.877                                                                                                                                                                                                                                                                                                                                                                                 | 28.0                     | 56.0                   | 15.2                  | 46.0                   | Pass           |
| <b>Remarks:</b> Pre-scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and data rate.<br>The radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150kHz to 30MHz does not exceed the limits. For test Results plots refer to Appendix 1, page 2. |                          |                        |                       |                        |                |

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**ANSI C63.10 – 6.9.3 – Occupied Bandwidth**

**Pass**

Test method : ANSI C63.10-2020  
Test date : 2026-02-25  
Mode of operation : Tx mode  
Port of testing : Temporary antenna port  
Supply voltage : 120 VAC, 60Hz  
Temperature : 23.3°C  
Humidity : 63.3%

**Requirement:** N/A

**Results:** For test protocols refer to Appendix 1.

Mode: 802.11b

| Channel Frequency<br>(MHz) | Left<br>(MHz) | Right<br>(MHz) | 99% bandwidth<br>(MHz) |
|----------------------------|---------------|----------------|------------------------|
| 2412                       | 2404.706      | 2419.467       | 14.761                 |
| 2437                       | 2429.663      | 2444.337       | 14.674                 |
| 2462                       | 2454.750      | 2469.337       | 14.588                 |

Mode: 802.11g

| Channel Frequency<br>(MHz) | Left<br>(MHz) | Right<br>(MHz) | 99% bandwidth<br>(MHz) |
|----------------------------|---------------|----------------|------------------------|
| 2412                       | 2403.823      | 2420.394       | 16.570                 |
| 2437                       | 2428.606      | 2445.394       | 16.787                 |
| 2462                       | 2453.751      | 2470.321       | 16.570                 |

Mode: 802.11n HT20

| Channel Frequency<br>(MHz) | Left<br>(MHz) | Right<br>(MHz) | 99% bandwidth<br>(MHz) |
|----------------------------|---------------|----------------|------------------------|
| 2412                       | 2403.172      | 2420.973       | 17.800                 |
| 2437                       | 2428.172      | 2446.117       | 17.945                 |
| 2462                       | 2453.100      | 2470.973       | 17.873                 |

Mode: 802.11n HT40

| Channel Frequency<br>(MHz) | Left<br>(MHz) | Right<br>(MHz) | 99% bandwidth<br>(MHz) |
|----------------------------|---------------|----------------|------------------------|
| 2422                       | 2404.200      | 2440.017       | 35.818                 |
| 2437                       | 2419.091      | 2454.909       | 35.818                 |
| 2452                       | 2434.091      | 2470.017       | 35.926                 |

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**FCC 15.247(a)(2) – 6dB Bandwidth Measurement**

**Pass**

Test method : ANSI C63.10-2020  
Test date : 2026-02-25  
Mode of operation : Tx mode  
Port of testing : Temporary antenna port  
Supply voltage : 120 VAC, 60Hz  
Temperature : 23.3°C  
Humidity : 63.3%

**Requirement:** Systems using digital modulation techniques may operate in the 902 – 928 MHz, 2400 – 2483.5 MHz, and 5725 – 5850 MHz bands. The minimum 6dB bandwidth shall be at least 500kHz.

**Results:** For test protocols please refer to Appendix 1

Mode: 802.11b

| Channel Frequency<br>(MHz) | 6 dB left<br>(MHz) | 6 dB right<br>(MHz) | 6dB bandwidth<br>(MHz) |
|----------------------------|--------------------|---------------------|------------------------|
| 2412                       | 2407.007           | 2417.080            | 10.073                 |
| 2437                       | 2432.007           | 2442.123            | 10.116                 |
| 2462                       | 2457.007           | 2467.123            | 10.116                 |

Mode: 802.11g

| Channel Frequency<br>(MHz) | 6 dB left<br>(MHz) | 6 dB right<br>(MHz) | 6dB bandwidth<br>(MHz) |
|----------------------------|--------------------|---------------------|------------------------|
| 2412                       | 2403.896           | 2420.249            | 16.353                 |
| 2437                       | 2428.896           | 2445.177            | 16.281                 |
| 2462                       | 2453.896           | 2470.177            | 16.281                 |

Mode: 802.11n HT20

| Channel Frequency<br>(MHz) | 6 dB left<br>(MHz) | 6 dB right<br>(MHz) | 6dB bandwidth<br>(MHz) |
|----------------------------|--------------------|---------------------|------------------------|
| 2412                       | 2403.317           | 2420.828            | 17.511                 |
| 2437                       | 2428.389           | 2445.828            | 17.438                 |
| 2462                       | 2453.245           | 2470.828            | 17.583                 |

Mode: 802.11n HT40

| Channel Frequency<br>(MHz) | 6 dB left<br>(MHz) | 6 dB right<br>(MHz) | 6dB bandwidth<br>(MHz) |
|----------------------------|--------------------|---------------------|------------------------|
| 2422                       | 2404.200           | 2440.017            | 35.817                 |
| 2437                       | 2419.742           | 2454.800            | 35.058                 |
| 2452                       | 2434.091           | 2470.126            | 36.035                 |

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**FCC 15.247(b)(3) – Maximum Peak Conducted Output Power**

**Pass**

Test method : ANSI C63.10-2020 (Method AVGSA-1)  
Test date : 2026-02-25  
Mode of operation : Tx mode  
Port of testing : Temporary antenna port  
Supply voltage : 120 VAC, 60Hz  
Temperature : 23.3°C  
Humidity : 63.3%

**Requirement:** For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850MHz bands: 1 Watt (30dBm)

**Results:** For test protocols please refer to Appendix 1

Mode: 802.11b

| Frequency (MHz) | Measured Output Power (dBm) | Limit (dBm) | Verdict |
|-----------------|-----------------------------|-------------|---------|
| 2412            | 13.35                       | 30.0        | Pass    |
| 2437            | 13.65                       | 30.0        | Pass    |
| 2462            | 14.04                       | 30.0        | Pass    |

Mode: 802.11g

| Frequency (MHz) | Measured Output Power (dBm) | Limit (dBm) | Verdict |
|-----------------|-----------------------------|-------------|---------|
| 2412            | 16.29                       | 30.0        | Pass    |
| 2437            | 17.20                       | 30.0        | Pass    |
| 2462            | 17.34                       | 30.0        | Pass    |

Mode: 802.11n HT20

| Frequency (MHz) | Measured Output Power (dBm) | Limit (dBm) | Verdict |
|-----------------|-----------------------------|-------------|---------|
| 2412            | 16.46                       | 30.0        | Pass    |
| 2437            | 16.48                       | 30.0        | Pass    |
| 2462            | 17.07                       | 30.0        | Pass    |

Mode: 802.11n HT40

| Frequency (MHz) | Measured Output Power (dBm) | Limit (dBm) | Verdict |
|-----------------|-----------------------------|-------------|---------|
| 2422            | 20.20                       | 30.0        | Pass    |
| 2437            | 20.47                       | 30.0        | Pass    |
| 2452            | 20.20                       | 30.0        | Pass    |

|                                                    |                                                                   |                                                                            |                                  |                                  |
|----------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|----------------------------------|
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|                                                                                                                                                                                                                                               |                                             |                    |                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------------|----------------|
| <b>FCC 15.247(e) – Power Spectral Density</b>                                                                                                                                                                                                 |                                             |                    | <b>Pass</b>    |
| Test method : ANSI C63.10-2020<br>Test date : 2026-02-25<br>Mode of operation : Tx mode<br>Port of testing : Temporary antenna port<br>Supply voltage : 120 VAC, 60Hz<br>Temperature : 23.3°C<br>Humidity : 63.3%                             |                                             |                    |                |
| <b>Requirement:</b> For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. |                                             |                    |                |
| <b>Results:</b> For test protocols refer to Appendix 1                                                                                                                                                                                        |                                             |                    |                |
| Mode: 802.11b                                                                                                                                                                                                                                 |                                             |                    |                |
| <b>Frequency (MHz)</b>                                                                                                                                                                                                                        | <b>Maximum Power Spectral Density (dBm)</b> | <b>Limit (dBm)</b> | <b>Verdict</b> |
| 2412                                                                                                                                                                                                                                          | -10.56                                      | 8.0                | Pass           |
| 2437                                                                                                                                                                                                                                          | -10.69                                      | 8.0                | Pass           |
| 2462                                                                                                                                                                                                                                          | -9.91                                       | 8.0                | Pass           |
| Mode: 802.11g                                                                                                                                                                                                                                 |                                             |                    |                |
| <b>Frequency (MHz)</b>                                                                                                                                                                                                                        | <b>Maximum Power Spectral Density (dBm)</b> | <b>Limit (dBm)</b> | <b>Verdict</b> |
| 2412                                                                                                                                                                                                                                          | -14.95                                      | 8.0                | Pass           |
| 2437                                                                                                                                                                                                                                          | -14.82                                      | 8.0                | Pass           |
| 2462                                                                                                                                                                                                                                          | -14.67                                      | 8.0                | Pass           |
| Mode: 802.11n HT20                                                                                                                                                                                                                            |                                             |                    |                |
| <b>Frequency (MHz)</b>                                                                                                                                                                                                                        | <b>Maximum Power Spectral Density (dBm)</b> | <b>Limit (dBm)</b> | <b>Verdict</b> |
| 2412                                                                                                                                                                                                                                          | -16.50                                      | 8.0                | Pass           |
| 2437                                                                                                                                                                                                                                          | -15.12                                      | 8.0                | Pass           |
| 2462                                                                                                                                                                                                                                          | -15.18                                      | 8.0                | Pass           |
| Mode: 802.11n HT40                                                                                                                                                                                                                            |                                             |                    |                |
| <b>Frequency (MHz)</b>                                                                                                                                                                                                                        | <b>Maximum Power Spectral Density (dBm)</b> | <b>Limit (dBm)</b> | <b>Verdict</b> |
| 2422                                                                                                                                                                                                                                          | -14.55                                      | 8.0                | Pass           |
| 2437                                                                                                                                                                                                                                          | -14.09                                      | 8.0                | Pass           |
| 2452                                                                                                                                                                                                                                          | -14.44                                      | 8.0                | Pass           |

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**FCC 15.247(d) – Spurious Conducted Emissions**

**Pass**

Test method : ANSI C63.10-2020  
Test date : 2026-02-25  
Mode of operation : Tx mode  
Port of testing : Temporary antenna port  
Supply voltage : 120 VAC, 60Hz  
Temperature : 23.3°C  
Humidity : 63.3%

**Requirement:** In any 100kHz 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 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

**Results:** Pre-scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and data rate.  
For test protocols refer to Appendix 1

Mode: 802.11b

| Operating frequency (MHz) | Spurious frequency (MHz) | Spurious level (dBm) | Reference value (dBm) | Limit (dBm) | Margin (dB) | Verdict |
|---------------------------|--------------------------|----------------------|-----------------------|-------------|-------------|---------|
| 2412                      | No Peak Found            | ---                  | ---                   | ---         | ---         | Pass    |
| 2437                      | No Peak Found            | ---                  | ---                   | ---         | ---         | Pass    |
| 2462                      | No Peak Found            | ---                  | ---                   | ---         | ---         | Pass    |

Mode: 802.11g

| Operating frequency (MHz) | Spurious frequency (MHz) | Spurious level (dBm) | Reference value (dBm) | Limit (dBm) | Margin (dB) | Verdict |
|---------------------------|--------------------------|----------------------|-----------------------|-------------|-------------|---------|
| 2412                      | No Peak Found            | ---                  | ---                   | ---         | ---         | Pass    |
| 2437                      | No Peak Found            | ---                  | ---                   | ---         | ---         | Pass    |
| 2462                      | No Peak Found            | ---                  | ---                   | ---         | ---         | Pass    |

Mode: 802.11n HT20

| Operating frequency (MHz) | Spurious frequency (MHz) | Spurious level (dBm) | Reference value (dBm) | Limit (dBm) | Margin (dB) | Verdict |
|---------------------------|--------------------------|----------------------|-----------------------|-------------|-------------|---------|
| 2412                      | No Peak Found            | ---                  | ---                   | ---         | ---         | Pass    |
| 2437                      | No Peak Found            | ---                  | ---                   | ---         | ---         | Pass    |
| 2462                      | No Peak Found            | ---                  | ---                   | ---         | ---         | Pass    |

Mode: 802.11n HT40

| Operating frequency (MHz) | Spurious frequency (MHz) | Spurious level (dBm) | Reference value (dBm) | Limit (dBm) | Margin (dB) | Verdict |
|---------------------------|--------------------------|----------------------|-----------------------|-------------|-------------|---------|
| 2422                      | No Peak Found            | ---                  | ---                   | ---         | ---         | Pass    |
| 2437                      | No Peak Found            | ---                  | ---                   | ---         | ---         | Pass    |
| 2452                      | No Peak Found            | ---                  | ---                   | ---         | ---         | Pass    |

Remark: If the spurious emissions are 20dB below the limit, the result column will mention no peak found.

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**FCC 15.205 – Radiated Emissions in Restricted Frequency Bands**

**Pass**

Test method : ANSI C63.10-2020  
Test date : 2026-02-25  
Mode of operation : Tx mode  
Port of testing : Temporary antenna port  
Frequency range : 9 kHz – 25 GHz  
Supply voltage : 120 VAC, 60Hz  
Temperature : 25.2°C  
Humidity : 50.1%

**Requirement:** In any 100kHz bandwidth outside the frequency band at least 20dB below the highest level of the desired power. In addition, radiated emissions which fall in the restricted bands must also comply with the radiated emission general limits.

**Results:** Pre-scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and data rate.  
All three transmit frequency modes comply with the field strength within the restricted bands. There is no spurious found below 30MHz.

Mode: 802.11b

TX Frequency: 2412MHz

Vertical Polarization

Verdict: Pass

| Frequency<br>MHz | Level<br>dBuV/m | Limit/ Detector<br>dBuV/m |
|------------------|-----------------|---------------------------|
| 2390.000         | 60.4            | 74.0 / PK                 |
| 2390.000         | 37.1            | 54.0 / AV                 |
| 2400.000         | 71.4            | 74.0 / PK                 |
| 2400.000         | 51.3            | 54.0 / AV                 |
| 4824.000         | 43.3            | 74.0 / PK                 |
| 4824.000         | 28.5            | 54.0 / AV                 |
| 7236.000         | 42.8            | 74.0 / PK                 |
| 7236.000         | 29.6            | 54.0 / AV                 |
| 9648.000         | 47.7            | 74.0 / PK                 |
| 9648.000         | 40.8            | 54.0 / AV                 |

TX Frequency: 2412MHz

Horizontal Polarization

Verdict: Pass

| Frequency<br>MHz | Level<br>dBuV/m | Limit/ Detector<br>dBuV/m |
|------------------|-----------------|---------------------------|
| 2390.000         | 59.3            | 74.0 / PK                 |
| 2390.000         | 36.4            | 54.0 / AV                 |
| 2400.000         | 71.3            | 74.0 / PK                 |
| 2400.000         | 52.3            | 54.0 / AV                 |
| 4824.000         | 41.8            | 74.0 / PK                 |
| 4824.000         | 28.5            | 54.0 / AV                 |
| 7236.000         | 43.2            | 74.0 / PK                 |
| 7236.000         | 30.0            | 54.0 / AV                 |
| 9648.000         | 47.6            | 74.0 / PK                 |
| 9648.000         | 39.8            | 54.0 / AV                 |

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|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|

|                       |                 |                           |               |
|-----------------------|-----------------|---------------------------|---------------|
| TX Frequency: 2437MHz |                 | Vertical Polarization     | Verdict: Pass |
| Frequency<br>MHz      | Level<br>dBuV/m | Limit/ Detector<br>dBuV/m |               |
| 4874.000              | 41.6            | 74.0 / PK                 |               |
| 4874.000              | 27.7            | 54.0 / AV                 |               |
| 7311.000              | 51.2            | 74.0 / PK                 |               |
| 7311.000              | 30.9            | 54.0 / AV                 |               |
| 9748.000              | 47.8            | 74.0 / PK                 |               |
| 9748.000              | 40.1            | 54.0 / AV                 |               |
| TX Frequency: 2437MHz |                 | Horizontal Polarization   | Verdict: Pass |
| Frequency<br>MHz      | Level<br>dBuV/m | Limit/ Detector<br>dBuV/m |               |
| 4874.000              | 39.6            | 74.0 / PK                 |               |
| 4874.000              | 25.4            | 54.0 / AV                 |               |
| 7311.000              | 43.9            | 74.0 / PK                 |               |
| 7311.000              | 30.4            | 54.0 / AV                 |               |
| 9748.000              | 30.6            | 74.0 / PK                 |               |
| 9748.000              | 21.7            | 54.0 / AV                 |               |
| TX Frequency: 2462MHz |                 | Vertical Polarization     | Verdict: Pass |
| Frequency<br>MHz      | Level<br>dBuV/m | Limit/ Detector<br>dBuV/m |               |
| 2483.500              | 72.1            | 74.0 / PK                 |               |
| 2483.500              | 52.6            | 54.0 / AV                 |               |
| 4924.000              | 41.6            | 74.0 / PK                 |               |
| 4924.000              | 27.2            | 54.0 / AV                 |               |
| 7386.000              | 43.4            | 74.0 / PK                 |               |
| 7386.000              | 30.4            | 54.0 / AV                 |               |
| 9848.000              | 32.6            | 74.0 / PK                 |               |
| 9848.000              | 26.4            | 54.0 / AV                 |               |
| TX Frequency: 2462MHz |                 | Horizontal Polarization   | Verdict: Pass |
| Frequency<br>MHz      | Level<br>dBuV/m | Limit/ Detector<br>dBuV/m |               |
| 2483.500              | 73.8            | 74.0 / PK                 |               |
| 2483.500              | 53.1            | 54.0 / AV                 |               |
| 4924.000              | 41.0            | 74.0 / PK                 |               |
| 4924.000              | 27.7            | 54.0 / AV                 |               |
| 7386.000              | 44.2            | 74.0 / PK                 |               |
| 7386.000              | 32.1            | 54.0 / AV                 |               |
| 9848.000              | 41.8            | 74.0 / PK                 |               |
| 9848.000              | 25.8            | 54.0 / AV                 |               |

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|--------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|
|--------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|

Mode: 802.11g

TX Frequency: 2412MHz

Vertical Polarization

Verdict: Pass

| <b>Frequency</b><br><b>MHz</b> | <b>Level</b><br><b>dBuV/m</b> | <b>Limit/ Detector</b><br><b>dBuV/m</b> |
|--------------------------------|-------------------------------|-----------------------------------------|
| 2390.000                       | 68.5                          | 74.0 / PK                               |
| 2390.000                       | 50.4                          | 54.0 / AV                               |
| 2400.000                       | 73.2                          | 74.0 / PK                               |
| 2400.000                       | 53.7                          | 54.0 / AV                               |
| 4824.000                       | 40.6                          | 74.0 / PK                               |
| 4824.000                       | 27.2                          | 54.0 / AV                               |
| 7236.000                       | 43.8                          | 74.0 / PK                               |
| 7236.000                       | 30.0                          | 54.0 / AV                               |
| 9648.000                       | 42.6                          | 74.0 / PK                               |
| 9648.000                       | 23.7                          | 54.0 / AV                               |

TX Frequency: 2412MHz

Horizontal Polarization

Verdict: Pass

| <b>Frequency</b><br><b>MHz</b> | <b>Level</b><br><b>dBuV/m</b> | <b>Limit/ Detector</b><br><b>dBuV/m</b> |
|--------------------------------|-------------------------------|-----------------------------------------|
| 2390.000                       | 64.2                          | 74.0 / PK                               |
| 2390.000                       | 45.7                          | 54.0 / AV                               |
| 2400.000                       | 73.7                          | 74.0 / PK                               |
| 2400.000                       | 53.6                          | 54.0 / AV                               |
| 4824.000                       | 40.3                          | 74.0 / PK                               |
| 4824.000                       | 27.2                          | 54.0 / AV                               |
| 7236.000                       | 44.8                          | 74.0 / PK                               |
| 7236.000                       | 30.6                          | 54.0 / AV                               |
| 9648.000                       | 35.9                          | 74.0 / PK                               |
| 9648.000                       | 27.8                          | 54.0 / AV                               |

TX Frequency: 2437MHz

Vertical Polarization

Verdict: Pass

| <b>Frequency</b><br><b>MHz</b> | <b>Level</b><br><b>dBuV/m</b> | <b>Limit/ Detector</b><br><b>dBuV/m</b> |
|--------------------------------|-------------------------------|-----------------------------------------|
| 4874.000                       | 39.4                          | 74.0 / PK                               |
| 4874.000                       | 23.8                          | 54.0 / AV                               |
| 7311.000                       | 50.4                          | 74.0 / PK                               |
| 7311.000                       | 27.0                          | 54.0 / AV                               |
| 9748.000                       | 41.4                          | 74.0 / PK                               |
| 9748.000                       | 24.2                          | 54.0 / AV                               |

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|--------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|
|--------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|

| TX Frequency: 2437MHz |                 |                           | Horizontal Polarization | Verdict: Pass |
|-----------------------|-----------------|---------------------------|-------------------------|---------------|
| Frequency<br>MHz      | Level<br>dBuV/m | Limit/ Detector<br>dBuV/m |                         |               |
| 4874.000              | 38.2            | 74.0 / PK                 |                         |               |
| 4874.000              | 22.8            | 54.0 / AV                 |                         |               |
| 7311.000              | 43.8            | 74.0 / PK                 |                         |               |
| 7311.000              | 26.9            | 54.0 / AV                 |                         |               |
| 9748.000              | 39.5            | 74.0 / PK                 |                         |               |
| 9748.000              | 22.3            | 54.0 / AV                 |                         |               |
| TX Frequency: 2462MHz |                 |                           | Vertical Polarization   | Verdict: Pass |
| Frequency<br>MHz      | Level<br>dBuV/m | Limit/ Detector<br>dBuV/m |                         |               |
| 2483.500              | 73.5            | 74.0 / PK                 |                         |               |
| 2483.500              | 53.6            | 54.0 / AV                 |                         |               |
| 4924.000              | 40.5            | 74.0 / PK                 |                         |               |
| 4924.000              | 27.2            | 54.0 / AV                 |                         |               |
| 7386.000              | 45.0            | 74.0 / PK                 |                         |               |
| 7386.000              | 30.8            | 54.0 / AV                 |                         |               |
| 9848.000              | 39.0            | 74.0 / PK                 |                         |               |
| 9848.000              | 30.5            | 54.0 / AV                 |                         |               |
| TX Frequency: 2462MHz |                 |                           | Horizontal Polarization | Verdict: Pass |
| Frequency<br>MHz      | Level<br>dBuV/m | Limit/ Detector<br>dBuV/m |                         |               |
| 2483.500              | 73.8            | 74.0 / PK                 |                         |               |
| 2483.500              | 52.9            | 54.0 / AV                 |                         |               |
| 4924.000              | 44.0            | 74.0 / PK                 |                         |               |
| 4924.000              | 27.2            | 54.0 / AV                 |                         |               |
| 7386.000              | 47.8            | 74.0 / PK                 |                         |               |
| 7386.000              | 32.6            | 54.0 / AV                 |                         |               |
| 9848.000              | 39.0            | 74.0 / PK                 |                         |               |
| 9848.000              | 33.1            | 54.0 / AV                 |                         |               |

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|--------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|
|--------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|

Mode: 802.11n HT20

TX Frequency: 2412MHz

Vertical Polarization

Verdict: Pass

| <b>Frequency</b><br><b>MHz</b> | <b>Level</b><br><b>dBuV/m</b> | <b>Limit/ Detector</b><br><b>dBuV/m</b> |
|--------------------------------|-------------------------------|-----------------------------------------|
| 2390.000                       | 64.7                          | 74.0 / PK                               |
| 2390.000                       | 45.4                          | 54.0 / AV                               |
| 2400.000                       | 70.4                          | 74.0 / PK                               |
| 2400.000                       | 53.3                          | 54.0 / AV                               |
| 4824.000                       | 56.9                          | 74.0 / PK                               |
| 4824.000                       | 34.8                          | 54.0 / AV                               |
| 7236.000                       | 43.8                          | 74.0 / PK                               |
| 7236.000                       | 30.2                          | 54.0 / AV                               |
| 9648.000                       | 41.5                          | 74.0 / PK                               |
| 9648.000                       | 34.6                          | 54.0 / AV                               |

TX Frequency: 2412MHz

Horizontal Polarization

Verdict: Pass

| <b>Frequency</b><br><b>MHz</b> | <b>Level</b><br><b>dBuV/m</b> | <b>Limit/ Detector</b><br><b>dBuV/m</b> |
|--------------------------------|-------------------------------|-----------------------------------------|
| 2390.000                       | 64.5                          | 74.0 / PK                               |
| 2390.000                       | 45.3                          | 54.0 / AV                               |
| 2400.000                       | 73.1                          | 74.0 / PK                               |
| 2400.000                       | 53.2                          | 54.0 / AV                               |
| 4824.000                       | 57.5                          | 74.0 / PK                               |
| 4824.000                       | 34.8                          | 54.0 / AV                               |
| 7236.000                       | 45.6                          | 74.0 / PK                               |
| 7236.000                       | 31.8                          | 54.0 / AV                               |
| 9648.000                       | 46.3                          | 74.0 / PK                               |
| 9648.000                       | 32.3                          | 54.0 / AV                               |

TX Frequency: 2437MHz

Vertical Polarization

Verdict: Pass

| <b>Frequency</b><br><b>MHz</b> | <b>Level</b><br><b>dBuV/m</b> | <b>Limit/ Detector</b><br><b>dBuV/m</b> |
|--------------------------------|-------------------------------|-----------------------------------------|
| 4874.000                       | 40.7                          | 74.0 / PK                               |
| 4874.000                       | 27.1                          | 54.0 / AV                               |
| 7311.000                       | 51.9                          | 74.0 / PK                               |
| 7311.000                       | 30.4                          | 54.0 / AV                               |
| 9748.000                       | 48.1                          | 74.0 / PK                               |
| 9748.000                       | 34.3                          | 54.0 / AV                               |

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|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|

| TX Frequency: 2437MHz |                 |                           | Horizontal Polarization | Verdict: Pass |
|-----------------------|-----------------|---------------------------|-------------------------|---------------|
| Frequency<br>MHz      | Level<br>dBuV/m | Limit/ Detector<br>dBuV/m |                         |               |
| 4874.000              | 40.9            | 74.0 / PK                 |                         |               |
| 4874.000              | 27.5            | 54.0 / AV                 |                         |               |
| 7311.000              | 45.2            | 74.0 / PK                 |                         |               |
| 7311.000              | 30.2            | 54.0 / AV                 |                         |               |
| 9748.000              | 45.1            | 74.0 / PK                 |                         |               |
| 9748.000              | 35.2            | 54.0 / AV                 |                         |               |
| TX Frequency: 2462MHz |                 |                           | Vertical Polarization   | Verdict: Pass |
| Frequency<br>MHz      | Level<br>dBuV/m | Limit/ Detector<br>dBuV/m |                         |               |
| 2483.500              | 73.6            | 74.0 / PK                 |                         |               |
| 2483.500              | 52.9            | 54.0 / AV                 |                         |               |
| 4924.000              | 41.6            | 74.0 / PK                 |                         |               |
| 4924.000              | 26.8            | 54.0 / AV                 |                         |               |
| 7386.000              | 44.5            | 74.0 / PK                 |                         |               |
| 7386.000              | 30.6            | 54.0 / AV                 |                         |               |
| 9848.000              | 41.0            | 74.0 / PK                 |                         |               |
| 9848.000              | 25.1            | 54.0 / AV                 |                         |               |
| TX Frequency: 2462MHz |                 |                           | Horizontal Polarization | Verdict: Pass |
| Frequency<br>MHz      | Level<br>dBuV/m | Limit/ Detector<br>dBuV/m |                         |               |
| 2483.500              | 73.6            | 74.0 / PK                 |                         |               |
| 2483.500              | 53.2            | 54.0 / AV                 |                         |               |
| 4924.000              | 40.3            | 74.0 / PK                 |                         |               |
| 4924.000              | 27.1            | 54.0 / AV                 |                         |               |
| 7386.000              | 45.0            | 74.0 / PK                 |                         |               |
| 7386.000              | 31.0            | 54.0 / AV                 |                         |               |
| 9848.000              | 47.8            | 74.0 / PK                 |                         |               |
| 9848.000              | 32.8            | 54.0 / AV                 |                         |               |

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| <b>Absatz</b><br><i>Clause</i> | <b>Anforderungen - Prüfungen /</b><br><i>Requirements - Tests</i> | <b>Messergebnisse – Bemerkungen/</b><br><i>Measuring results - Remarks</i> | <b>Ergebnis</b><br><i>Result</i> |
|--------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|
|--------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|

Mode: 802.11n HT40

TX Frequency: 2422MHz

Vertical Polarization

Verdict: Pass

| <b>Frequency</b><br><b>MHz</b> | <b>Level</b><br><b>dBuV/m</b> | <b>Limit/ Detector</b><br><b>dBuV/m</b> |
|--------------------------------|-------------------------------|-----------------------------------------|
| 2390.000                       | 64.5                          | 74.0 / PK                               |
| 2390.000                       | 46.0                          | 54.0 / AV                               |
| 2400.000                       | 68.2                          | 74.0 / PK                               |
| 2400.000                       | 51.4                          | 54.0 / AV                               |
| 4844.000                       | 63.5                          | 74.0 / PK                               |
| 4844.000                       | 48.4                          | 54.0 / AV                               |
| 7266.000                       | 43.4                          | 74.0 / PK                               |
| 7266.000                       | 29.4                          | 54.0 / AV                               |
| 9688.000                       | 51.8                          | 74.0 / PK                               |
| 9688.000                       | 47.5                          | 54.0 / AV                               |

TX Frequency: 2422MHz

Horizontal Polarization

Verdict: Pass

| <b>Frequency</b><br><b>MHz</b> | <b>Level</b><br><b>dBuV/m</b> | <b>Limit/ Detector</b><br><b>dBuV/m</b> |
|--------------------------------|-------------------------------|-----------------------------------------|
| 2390.000                       | 67.4                          | 74.0 / PK                               |
| 2390.000                       | 49.8                          | 54.0 / AV                               |
| 2400.000                       | 67.8                          | 74.0 / PK                               |
| 2400.000                       | 50.1                          | 54.0 / AV                               |
| 4844.000                       | 64.0                          | 74.0 / PK                               |
| 4844.000                       | 48.7                          | 54.0 / AV                               |
| 7266.000                       | 53.4                          | 74.0 / PK                               |
| 7266.000                       | 39.3                          | 54.0 / AV                               |
| 9688.000                       | 52.8                          | 74.0 / PK                               |
| 9688.000                       | 44.1                          | 54.0 / AV                               |

TX Frequency: 2437MHz

Vertical Polarization

Verdict: Pass

| <b>Frequency</b><br><b>MHz</b> | <b>Level</b><br><b>dBuV/m</b> | <b>Limit/ Detector</b><br><b>dBuV/m</b> |
|--------------------------------|-------------------------------|-----------------------------------------|
| 4874.000                       | 61.6                          | 74.0 / PK                               |
| 4874.000                       | 45.2                          | 54.0 / AV                               |
| 7311.000                       | 48.6                          | 74.0 / PK                               |
| 7311.000                       | 30.1                          | 54.0 / AV                               |
| 9748.000                       | 49.6                          | 74.0 / PK                               |
| 9748.000                       | 42.0                          | 54.0 / AV                               |

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| <b>Absatz</b><br><i>Clause</i> | <b>Anforderungen - Prüfungen /</b><br><i>Requirements - Tests</i> | <b>Messergebnisse – Bemerkungen/</b><br><i>Measuring results - Remarks</i> | <b>Ergebnis</b><br><i>Result</i> |
|--------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|
|--------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|

| TX Frequency: 2437MHz |                 |                           | Horizontal Polarization | Verdict: Pass |
|-----------------------|-----------------|---------------------------|-------------------------|---------------|
| Frequency<br>MHz      | Level<br>dBuV/m | Limit/ Detector<br>dBuV/m |                         |               |
| 4874.000              | 64.3            | 74.0 / PK                 |                         |               |
| 4874.000              | 46.0            | 54.0 / AV                 |                         |               |
| 7311.000              | 43.2            | 74.0 / PK                 |                         |               |
| 7311.000              | 30.0            | 54.0 / AV                 |                         |               |
| 9748.000              | 50.8            | 74.0 / PK                 |                         |               |
| 9748.000              | 42.1            | 54.0 / AV                 |                         |               |
| TX Frequency: 2452MHz |                 |                           | Vertical Polarization   | Verdict: Pass |
| Frequency<br>MHz      | Level<br>dBuV/m | Limit/ Detector<br>dBuV/m |                         |               |
| 2483.500              | 72.8            | 74.0 / PK                 |                         |               |
| 2483.500              | 52.2            | 54.0 / AV                 |                         |               |
| 4904.000              | 40.5            | 74.0 / PK                 |                         |               |
| 4904.000              | 27.3            | 54.0 / AV                 |                         |               |
| 7356.000              | 43.9            | 74.0 / PK                 |                         |               |
| 7356.000              | 30.4            | 54.0 / AV                 |                         |               |
| 9808.000              | 47.1            | 74.0 / PK                 |                         |               |
| 9808.000              | 33.4            | 54.0 / AV                 |                         |               |
| TX Frequency: 2452MHz |                 |                           | Horizontal Polarization | Verdict: Pass |
| Frequency<br>MHz      | Level<br>dBuV/m | Limit/ Detector<br>dBuV/m |                         |               |
| 2483.500              | 73.4            | 74.0 / PK                 |                         |               |
| 2483.500              | 53.8            | 54.0 / AV                 |                         |               |
| 4904.000              | 40.6            | 74.0 / PK                 |                         |               |
| 4904.000              | 27.6            | 54.0 / AV                 |                         |               |
| 7356.000              | 43.9            | 74.0 / PK                 |                         |               |
| 7356.000              | 30.0            | 54.0 / AV                 |                         |               |
| 9808.000              | 43.8            | 74.0 / PK                 |                         |               |
| 9808.000              | 32.7            | 54.0 / AV                 |                         |               |

|                                                    |                                                                   |                                                                            |                                  |                                         |
|----------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|-----------------------------------------|
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| <b>Absatz</b><br><i>Clause</i>                     | <b>Anforderungen - Prüfungen /</b><br><i>Requirements - Tests</i> | <b>Messergebnisse – Bemerkungen/</b><br><i>Measuring results - Remarks</i> | <b>Ergebnis</b><br><i>Result</i> |                                         |

## Appendix 1

## Test Results

Prüfbericht-Nr.:  
Test report no.:

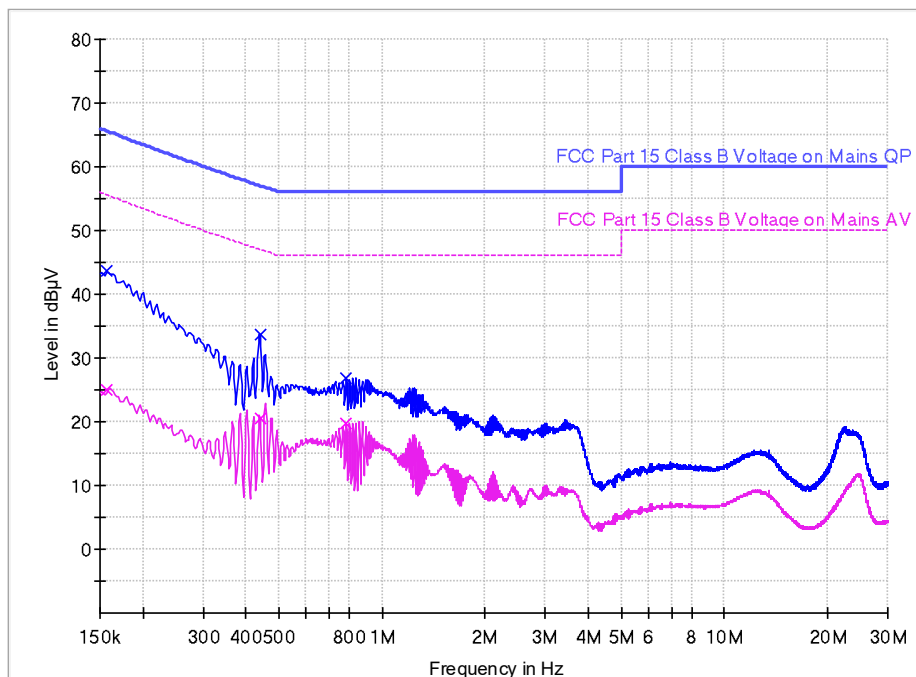
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|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|

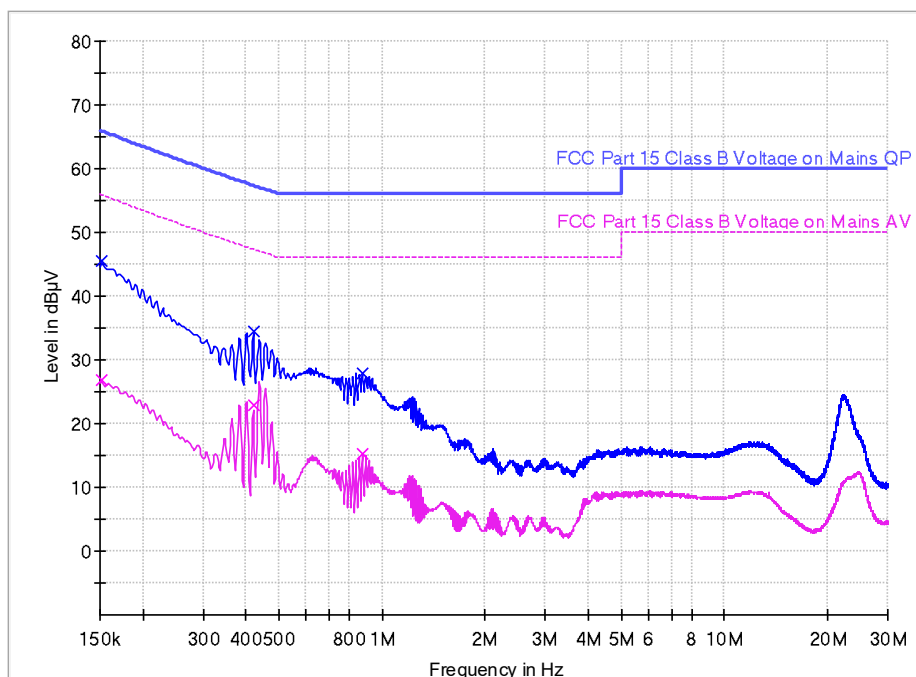
### Test results of Conducted Emission on AC Mains

Conducted Emission (150 kHz - 30 MHz) - Cont TDS (QP+AV)



Mode: Wi-Fi link + Charging mode with TT PEN, Line: L1

Conducted Emission (150 kHz - 30 MHz) - Cont TDS (QP+AV)



Mode: Wi-Fi link + Charging mode with TT PEN, Line: N

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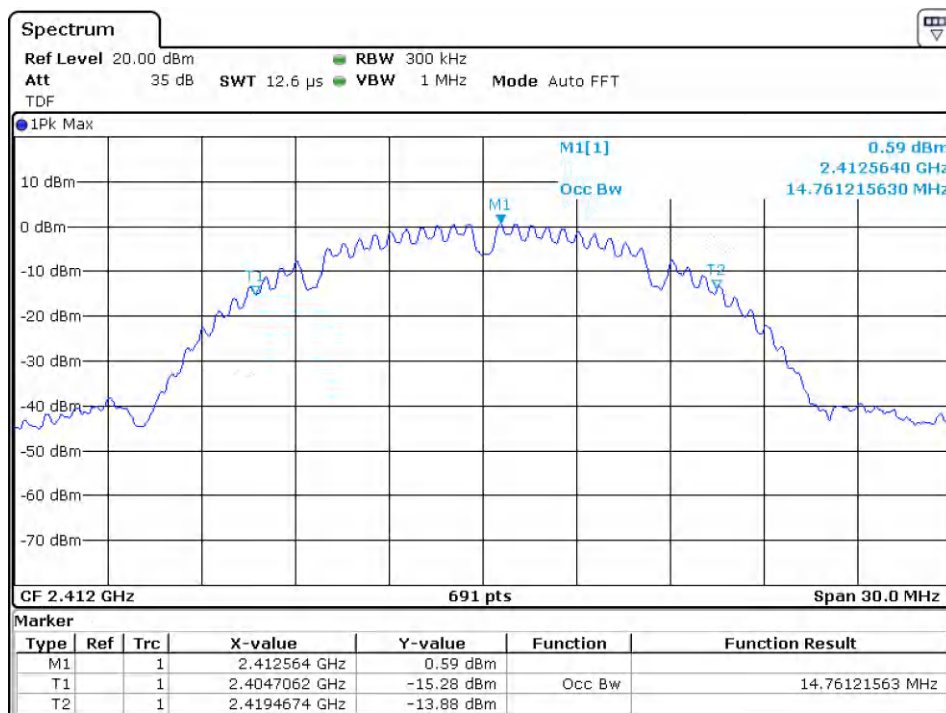
Absatz  
Clause

Anforderungen - Prüfungen /  
Requirements - Tests

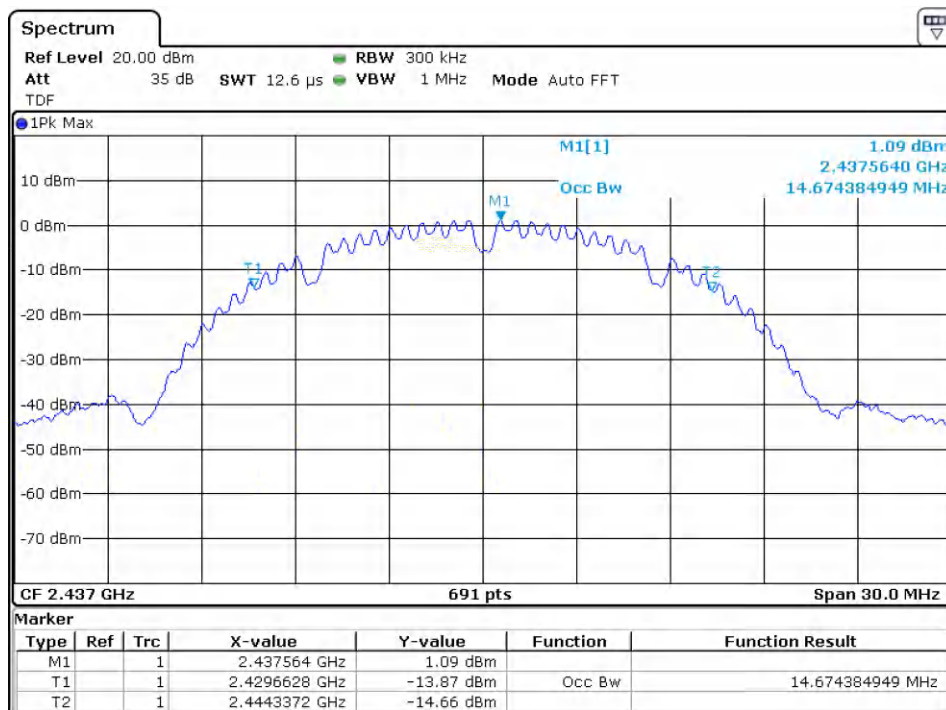
Messergebnisse – Bemerkungen/  
Measuring results - Remarks

Ergebnis  
Result

### Test results of Occupied Bandwidth Measurement



Mode: 802.11b, TX Frequency 2412MHz



Mode: 802.11b, TX Frequency 2437MHz

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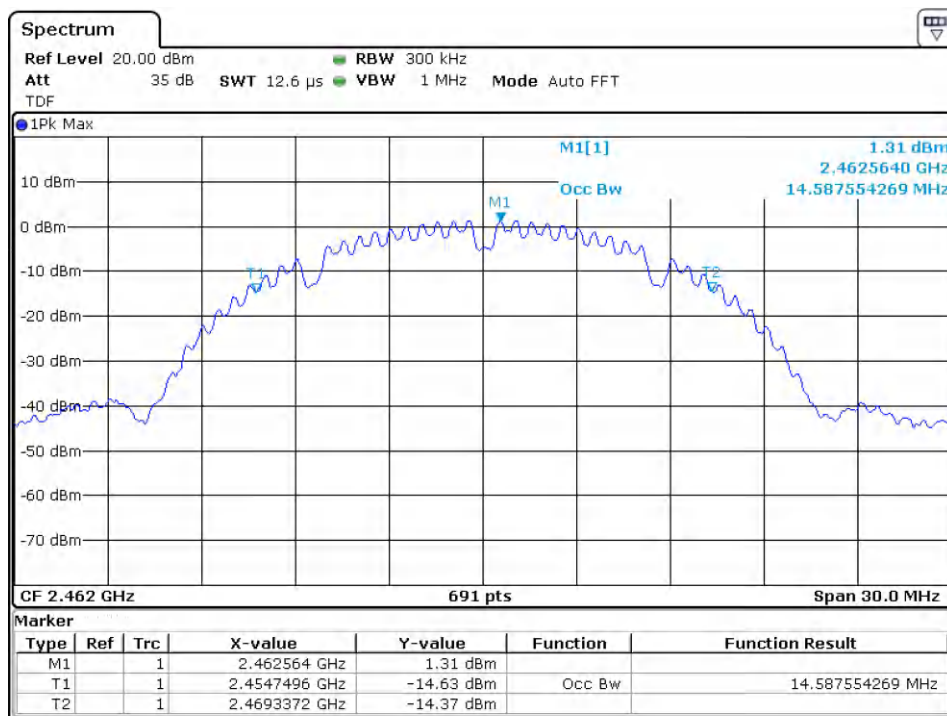
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Absatz  
Clause

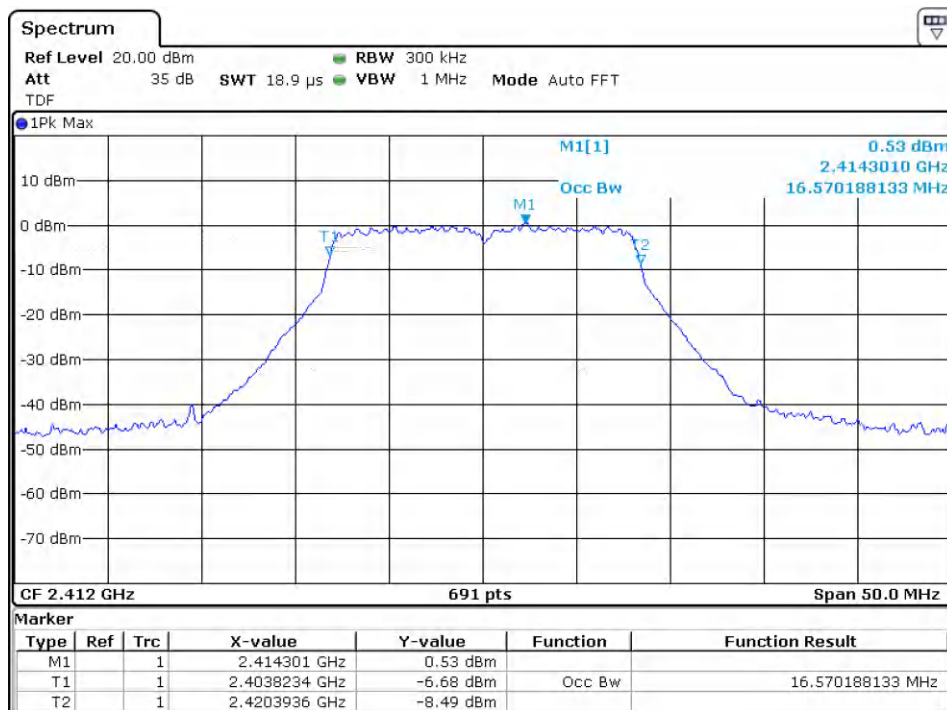
Anforderungen - Prüfungen /  
Requirements - Tests

Messergebnisse – Bemerkungen/  
Measuring results - Remarks

Ergebnis  
Result



Mode: 802.11b, TX Frequency 2462MHz



Mode: 802.11g, TX Frequency 2412MHz

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CN26PQPC 001

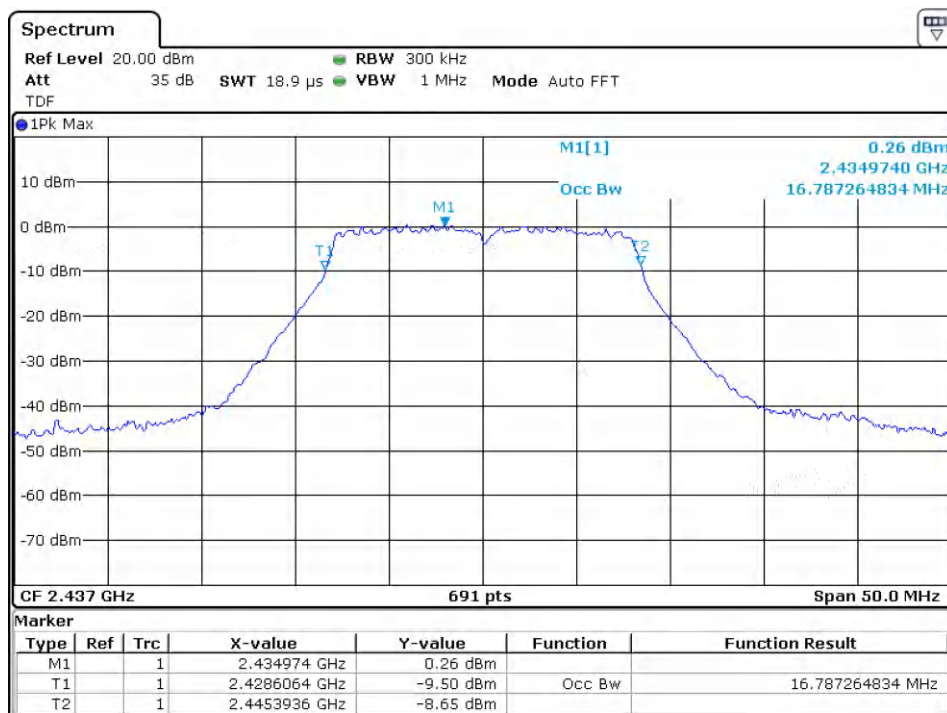
Seite 32 von 80  
Page 32 of 80

Absatz  
Clause

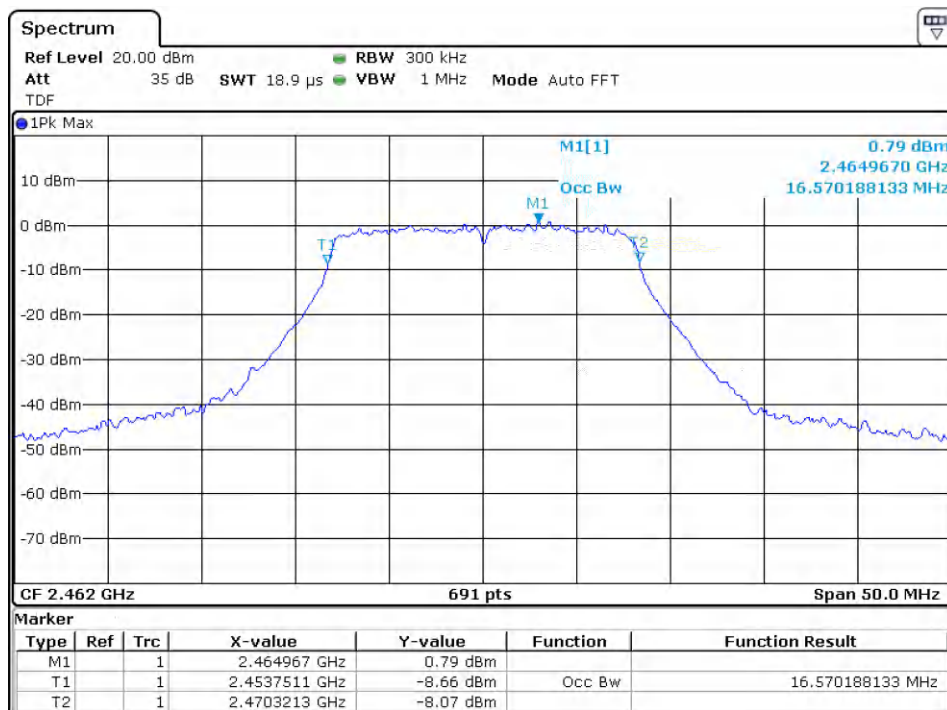
Anforderungen - Prüfungen /  
Requirements - Tests

Messergebnisse – Bemerkungen/  
Measuring results - Remarks

Ergebnis  
Result



Mode: 802.11g, TX Frequency 2437MHz



Mode: 802.11g, TX Frequency 2462MHz

Prüfbericht-Nr.:  
Test report no.:

CN26PQPC 001

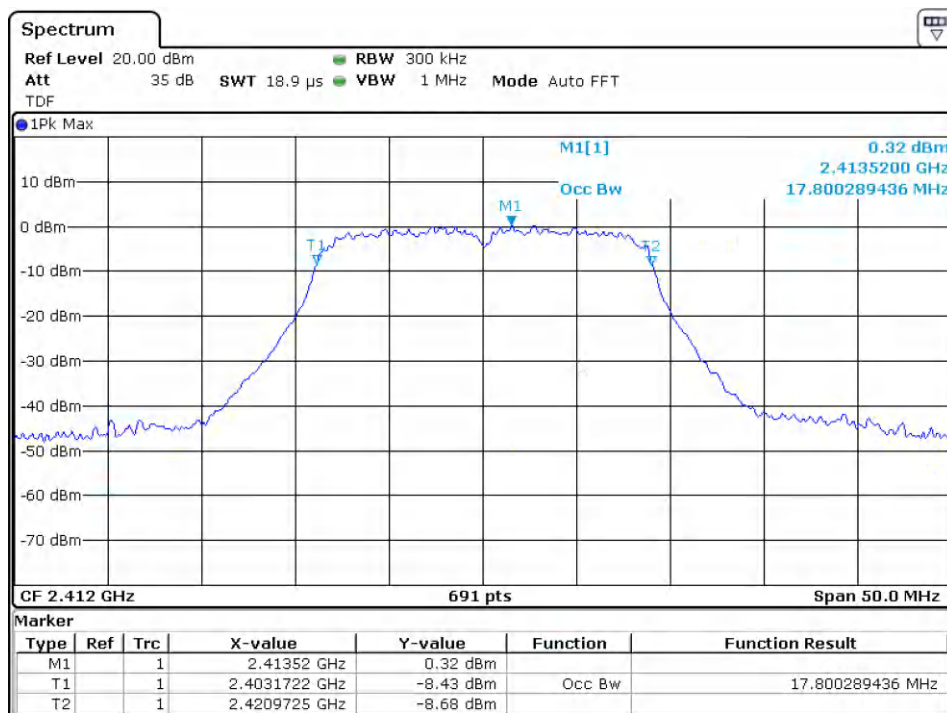
Seite 33 von 80  
Page 33 of 80

Absatz  
Clause

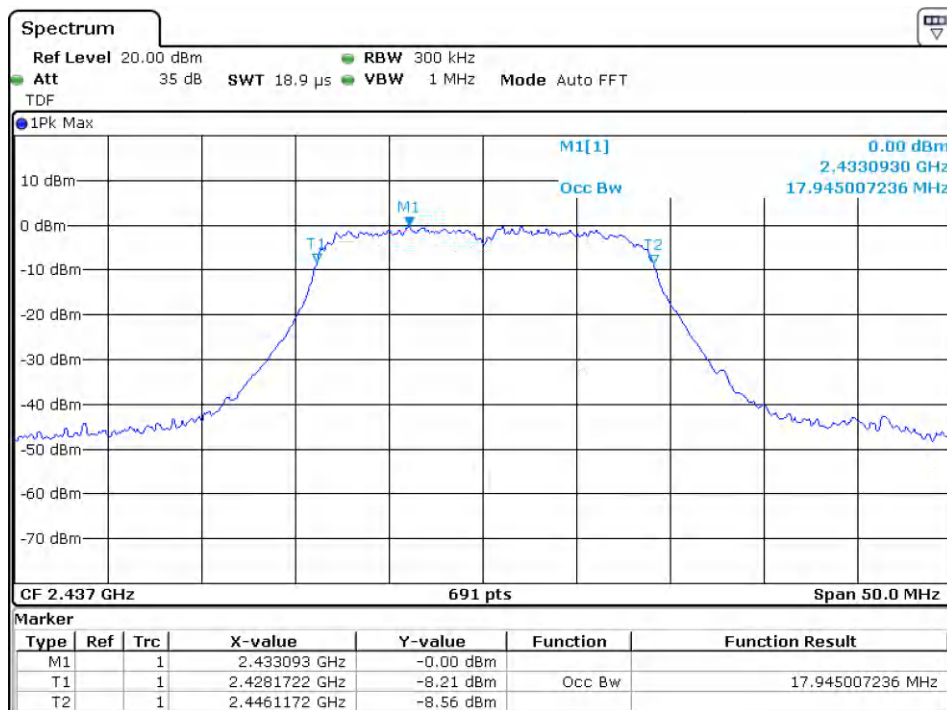
Anforderungen - Prüfungen /  
Requirements - Tests

Messergebnisse – Bemerkungen/  
Measuring results - Remarks

Ergebnis  
Result



Mode: 802.11n HT20, TX Frequency 2412MHz



Mode: 802.11n HT20, TX Frequency 2437MHz

Prüfbericht-Nr.:  
Test report no.:

CN26PQPC 001

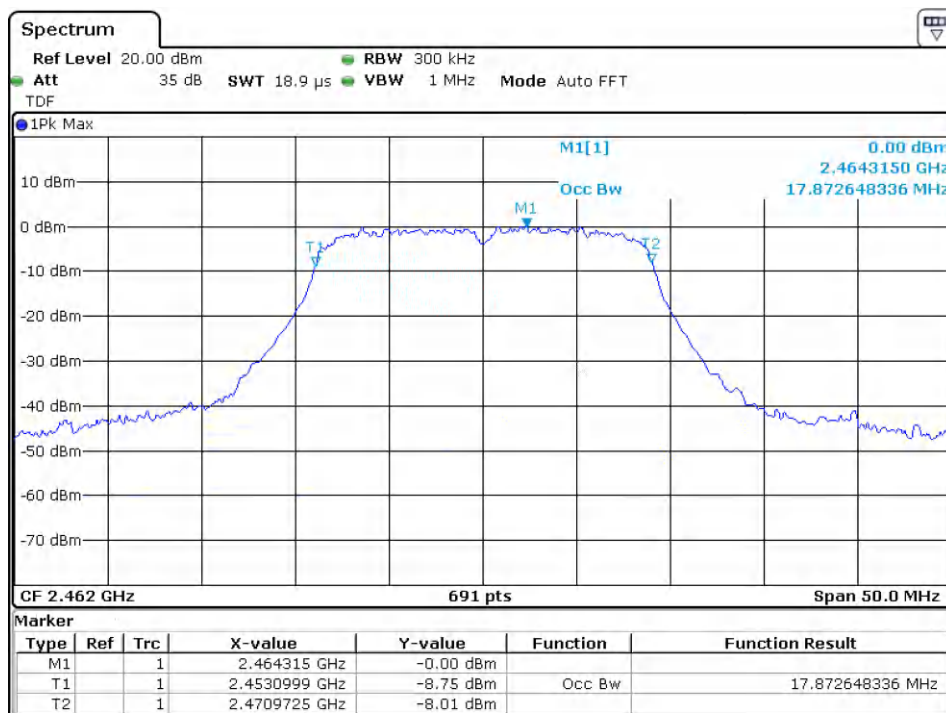
Seite 34 von 80  
Page 34 of 80

Absatz  
Clause

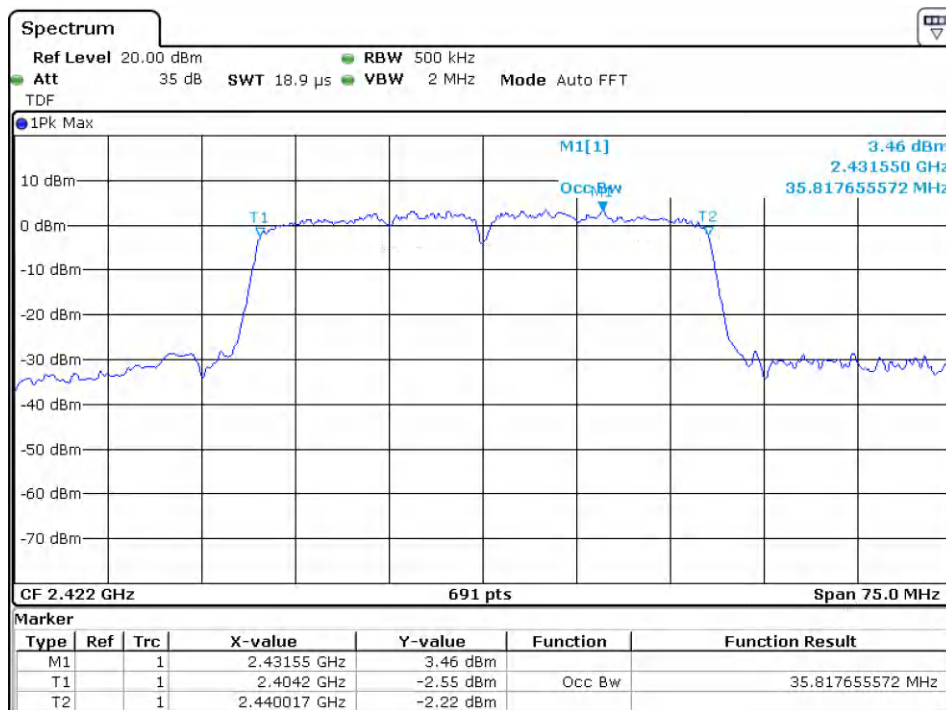
Anforderungen - Prüfungen /  
Requirements - Tests

Messergebnisse – Bemerkungen/  
Measuring results - Remarks

Ergebnis  
Result



Mode: 802.11n HT20, TX Frequency 2462MHz



Mode: 802.11n HT40, TX Frequency 2422MHz

Prüfbericht-Nr.:  
Test report no.:

CN26PQPC 001

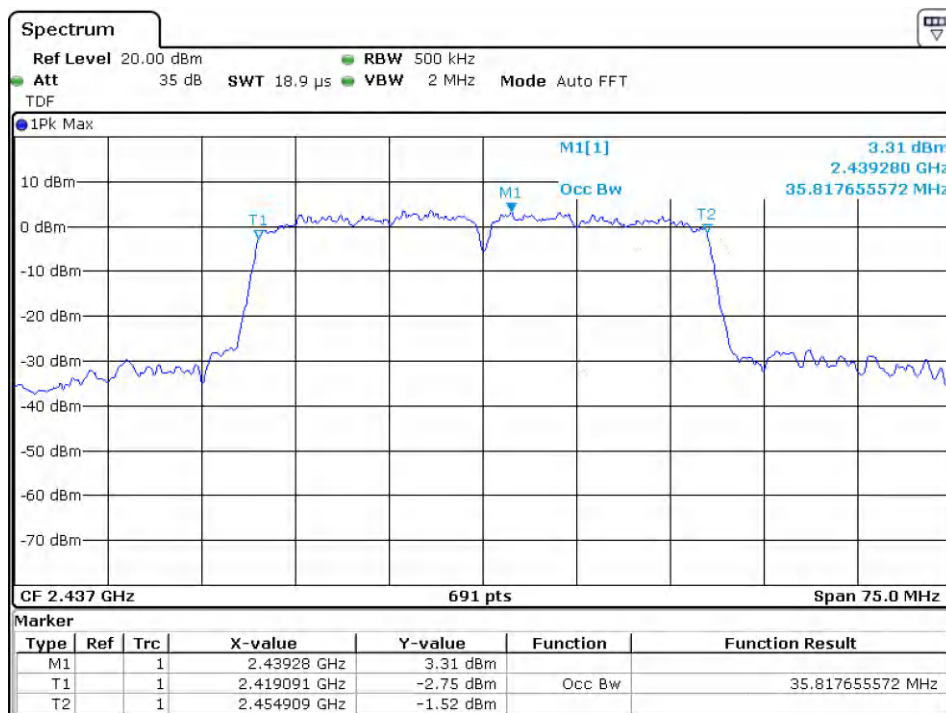
Seite 35 von 80  
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Absatz  
Clause

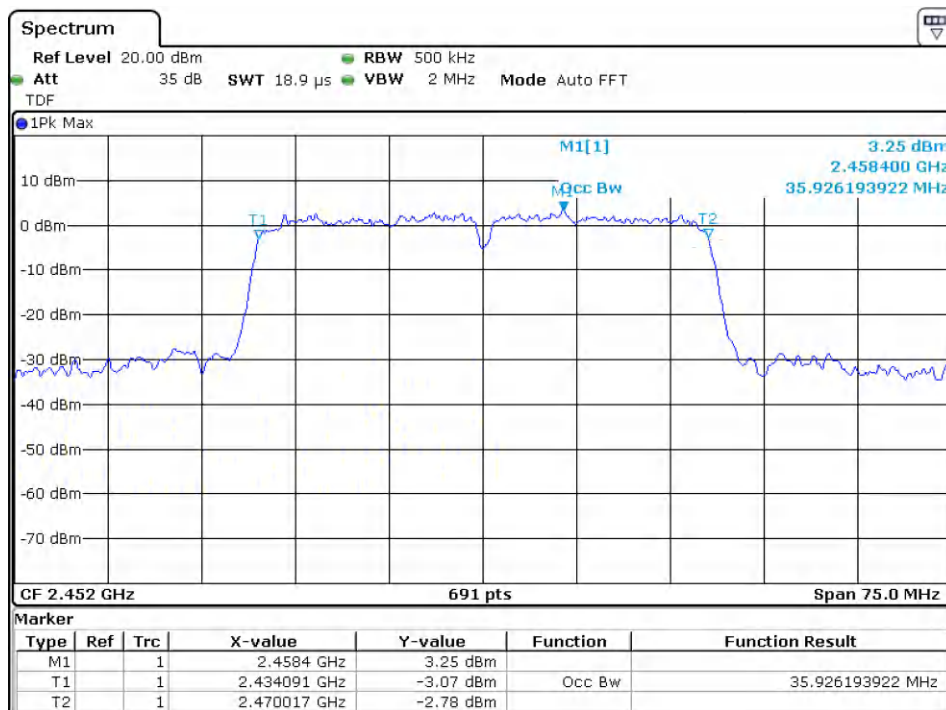
Anforderungen - Prüfungen /  
Requirements - Tests

Messergebnisse – Bemerkungen/  
Measuring results - Remarks

Ergebnis  
Result



Mode: 802.11n HT40, TX Frequency 2437MHz



Mode: 802.11n HT40, TX Frequency 2452MHz

Prüfbericht-Nr.:  
Test report no.:

CN26PQPC 001

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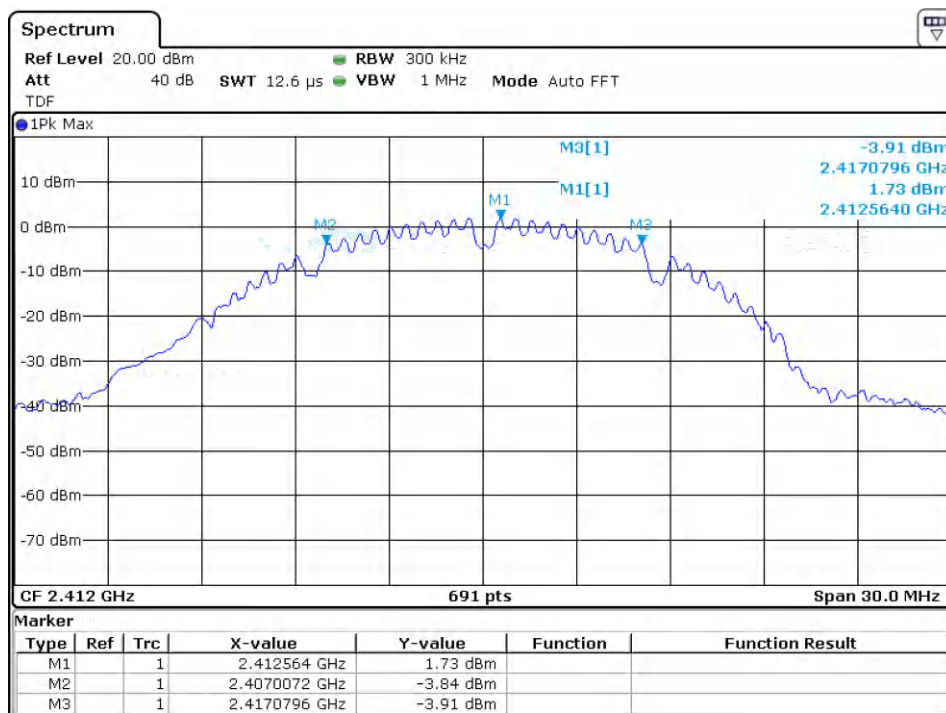
Absatz  
Clause

Anforderungen - Prüfungen /  
Requirements - Tests

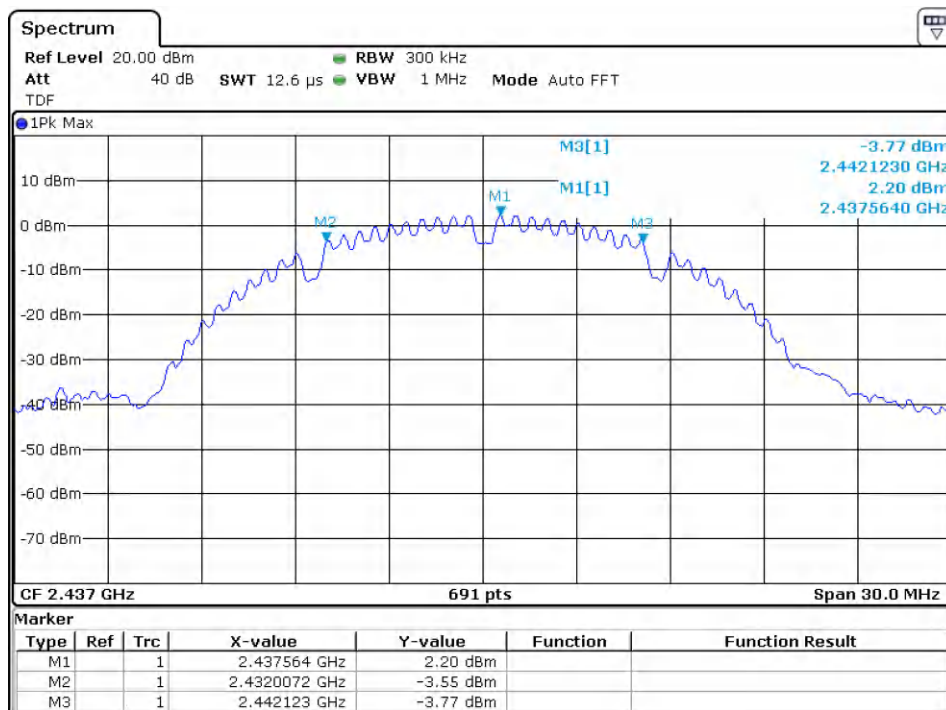
Messergebnisse – Bemerkungen/  
Measuring results - Remarks

Ergebnis  
Result

### Test results of 6 dB Bandwidth Measurement



Mode: 802.11b, TX Frequency 2412MHz



Mode: 802.11b, TX Frequency 2437MHz

Prüfbericht-Nr.:  
Test report no.:

CN26PQPC 001

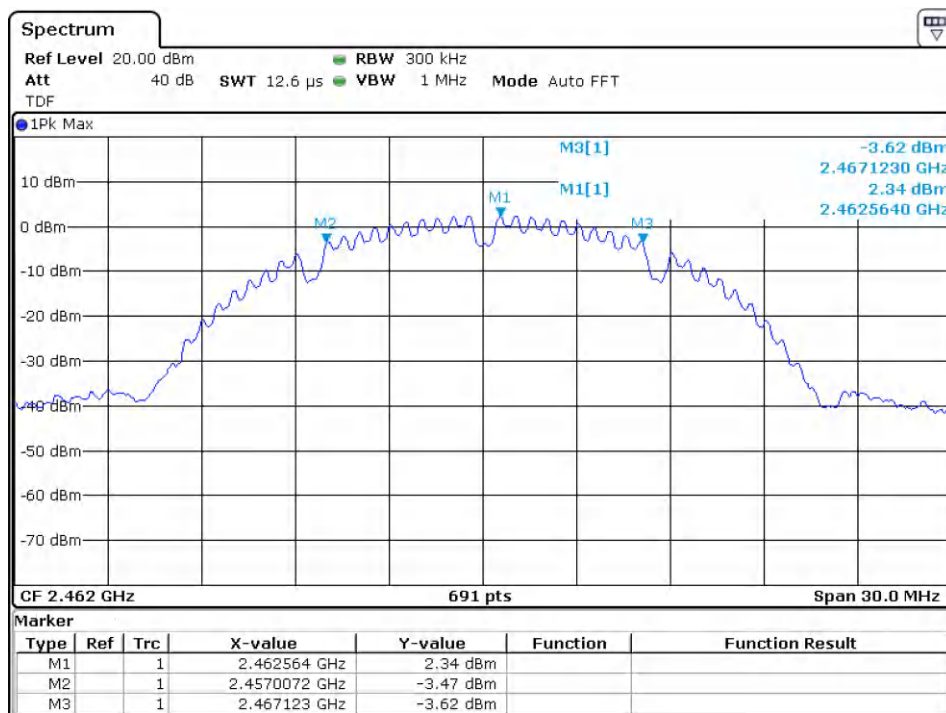
Seite 37 von 80  
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Absatz  
Clause

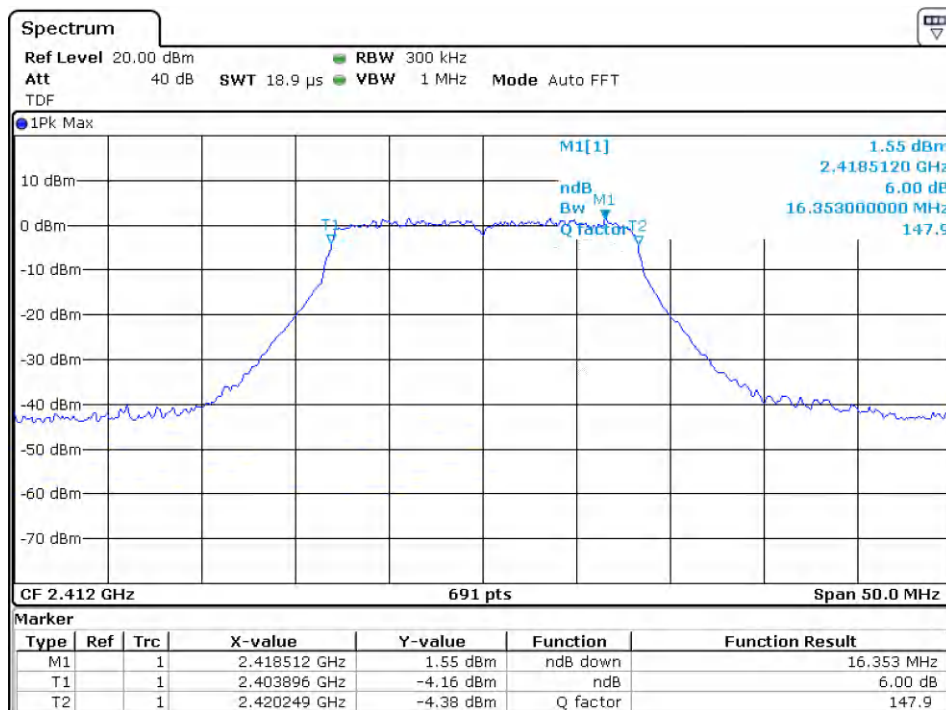
Anforderungen - Prüfungen /  
Requirements - Tests

Messergebnisse – Bemerkungen/  
Measuring results - Remarks

Ergebnis  
Result



Mode: 802.11b, TX Frequency 2462MHz



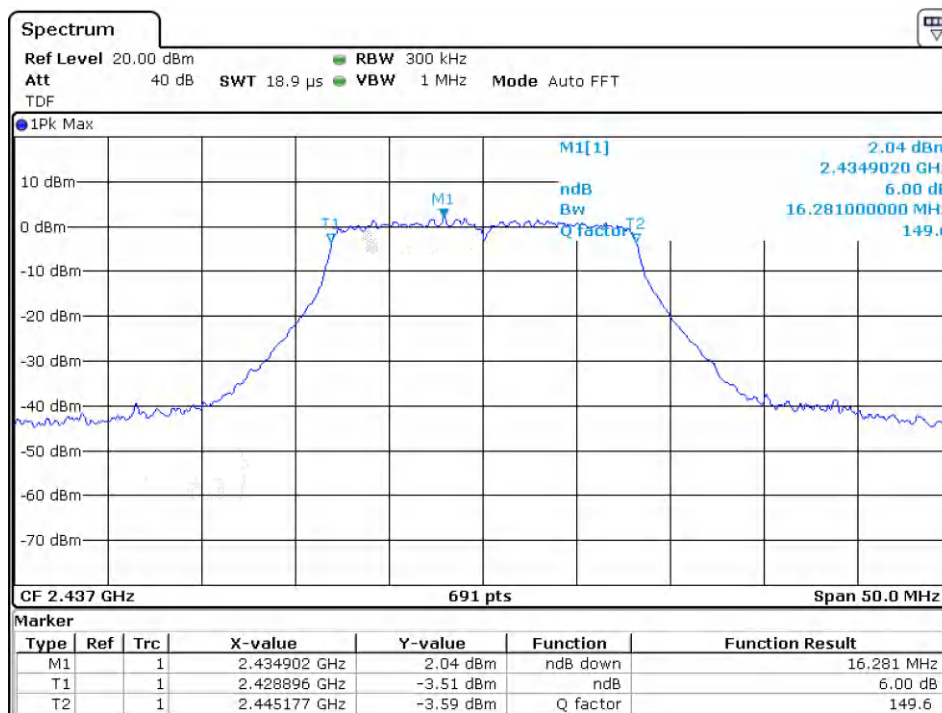
Mode: 802.11g, TX Frequency 2412MHz

Prüfbericht-Nr.:  
Test report no.:

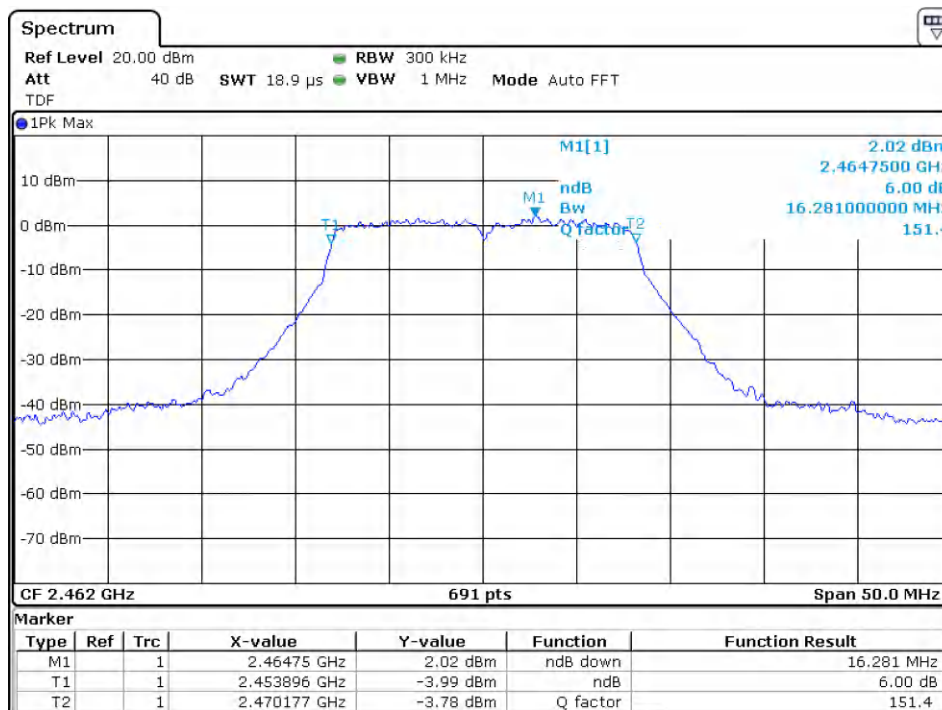
CN26PQPC 001

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Page 38 of 80

| Absatz<br>Clause | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|



Mode: 802.11g, TX Frequency 2437MHz



Mode: 802.11g, TX Frequency 2462MHz

Prüfbericht-Nr.:  
Test report no.:

CN26PQPC 001

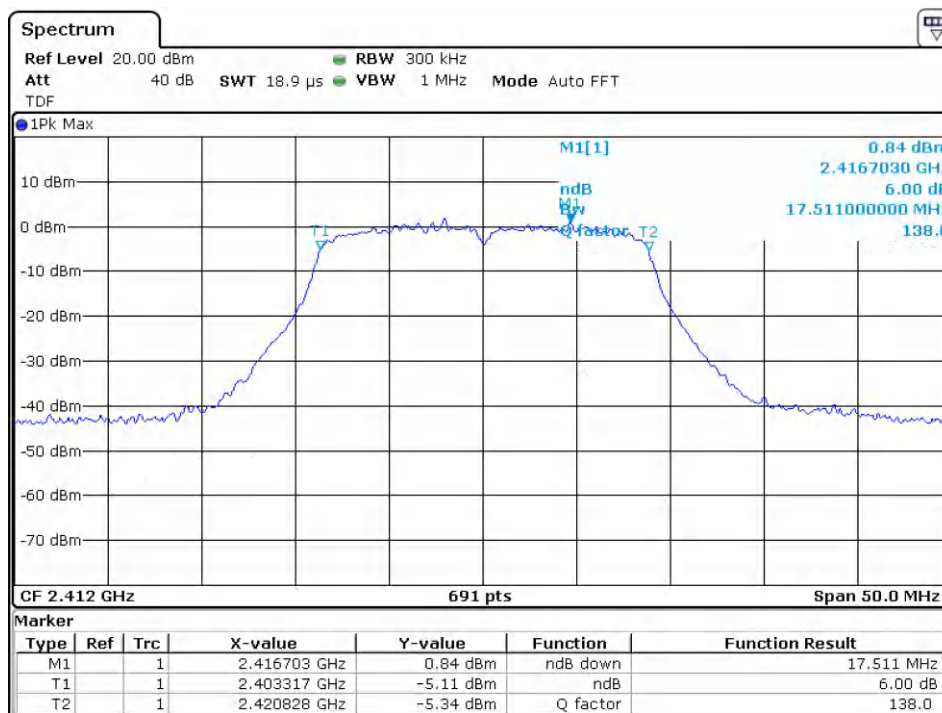
Seite 39 von 80  
Page 39 of 80

Absatz  
Clause

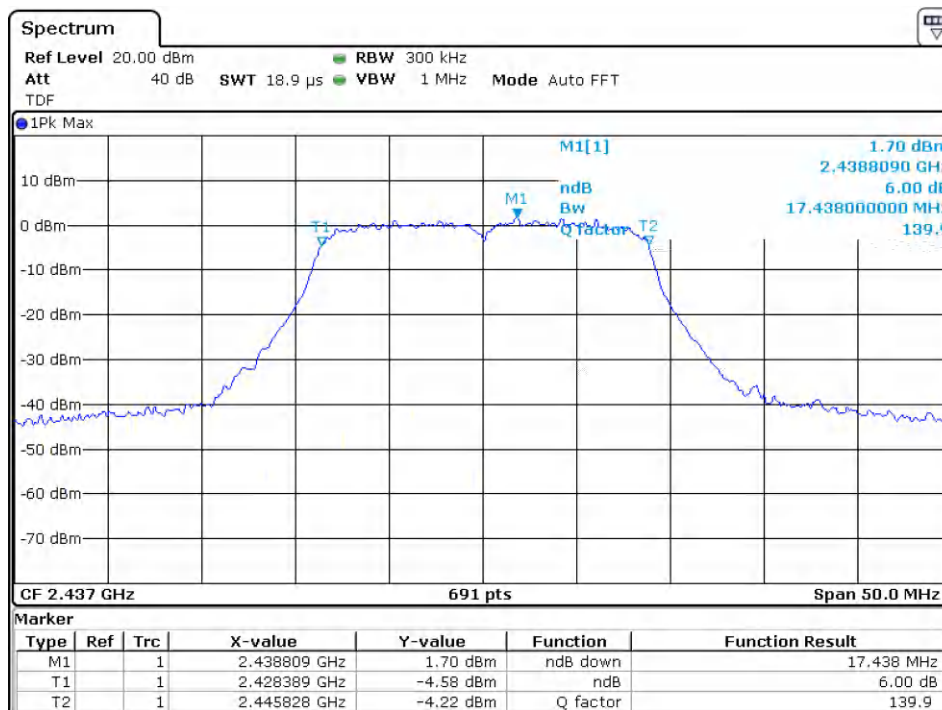
Anforderungen - Prüfungen /  
Requirements - Tests

Messergebnisse – Bemerkungen/  
Measuring results - Remarks

Ergebnis  
Result



Mode: 802.11n HT20, TX Frequency 2412MHz



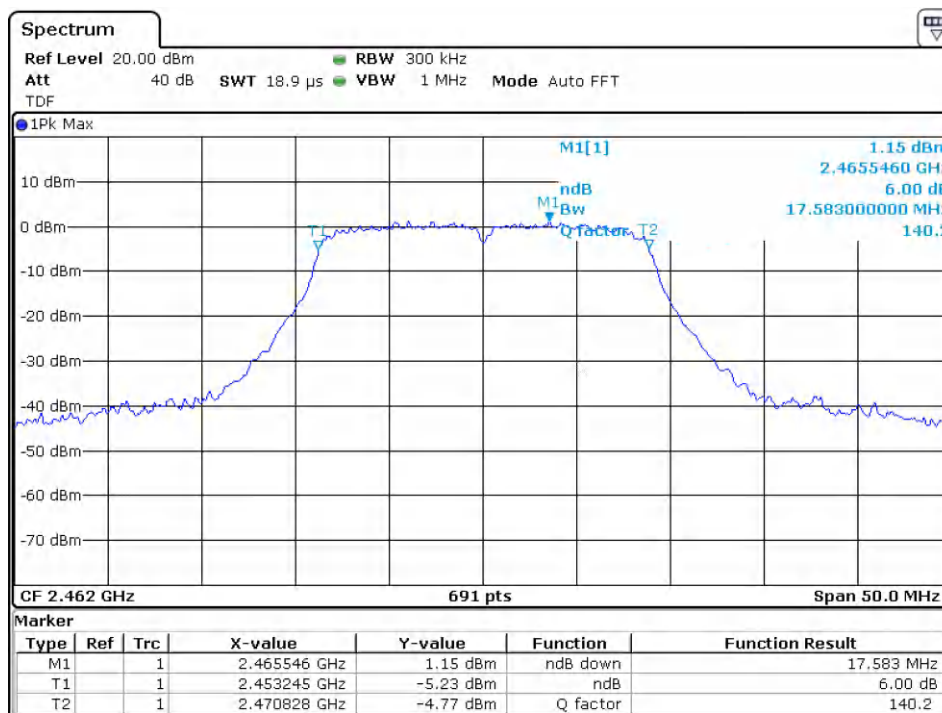
Mode: 802.11n HT20, TX Frequency 2437MHz

Prüfbericht-Nr.:  
Test report no.:

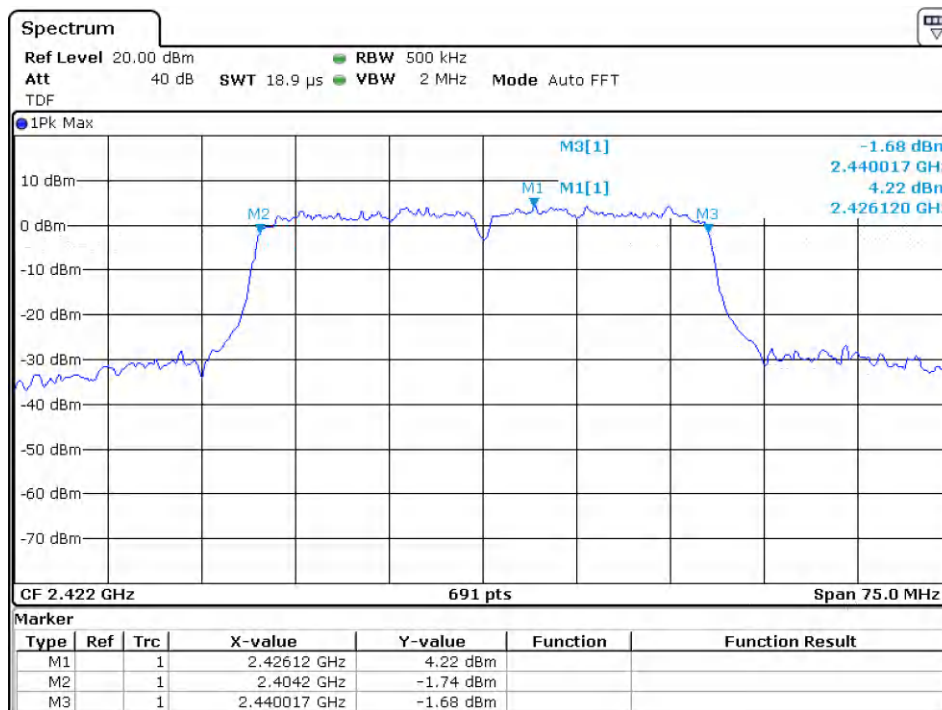
CN26PQPC 001

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| Absatz<br>Clause | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|



Mode: 802.11n HT20, TX Frequency 2462MHz



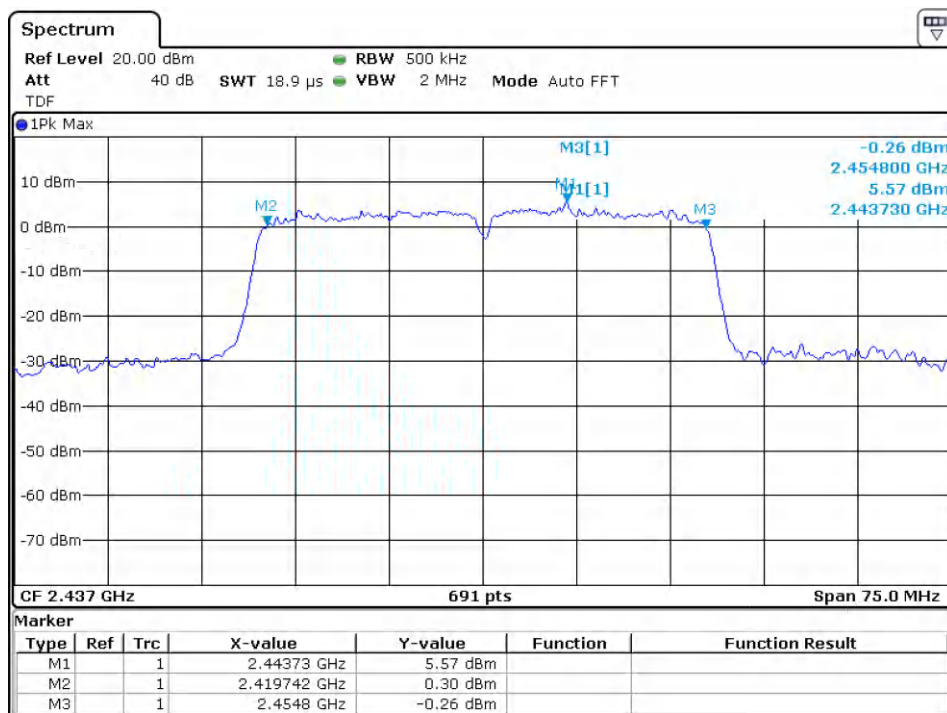
Mode: 802.11n HT40, TX Frequency 2422MHz

Prüfbericht-Nr.:  
Test report no.:

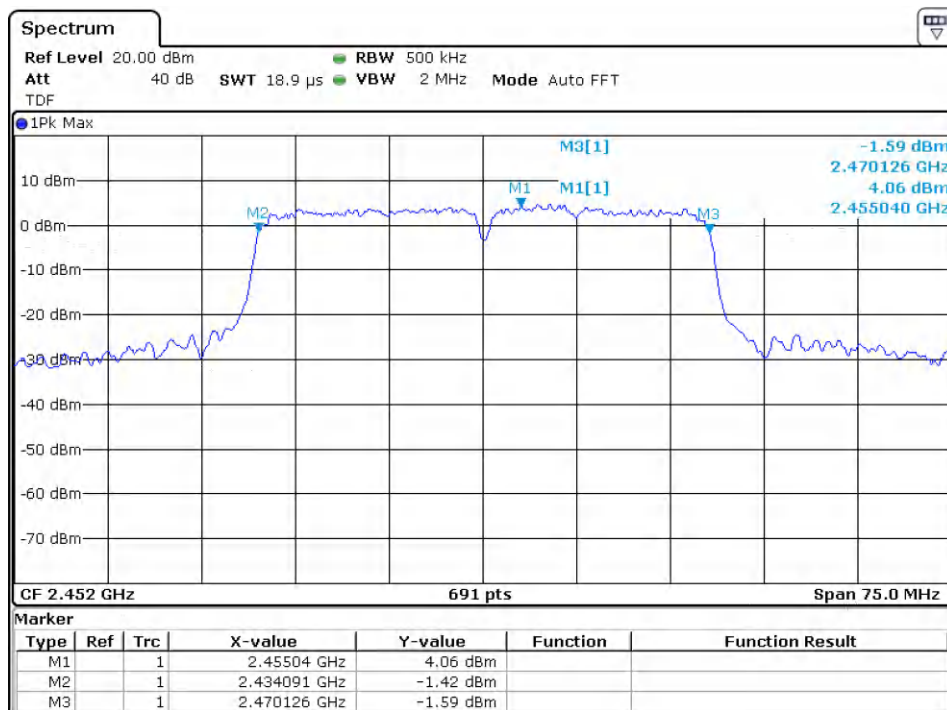
CN26PQPC 001

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Page 41 of 80

| Absatz<br>Clause | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|



Mode: 802.11n HT40, TX Frequency 2437MHz



Mode: 802.11n HT40, TX Frequency 2462MHz

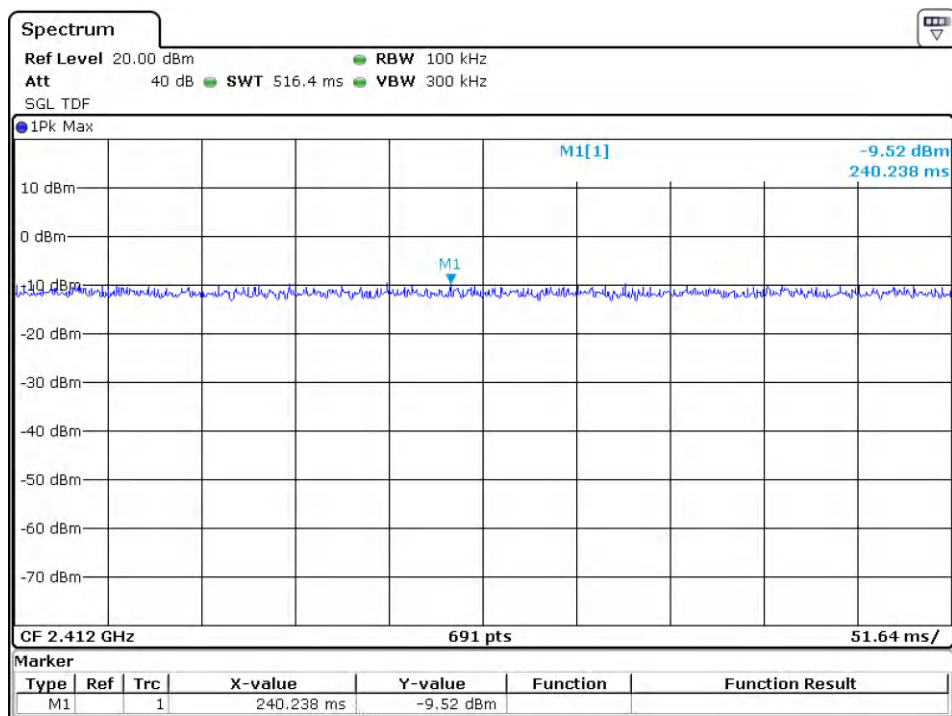
Prüfbericht-Nr.:  
Test report no.:

CN26PQPC 001

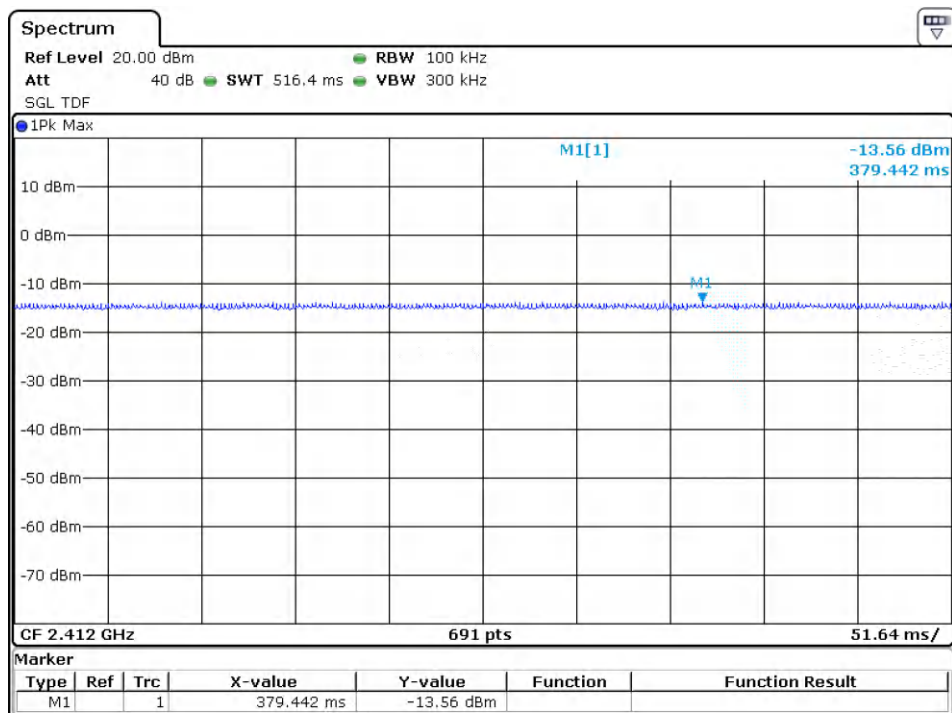
Seite 42 von 80  
Page 42 of 80

| Absatz<br>Clause | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|

### Test results of Duty Cycle



Mode: 802.11b, TX Frequency 2412MHz



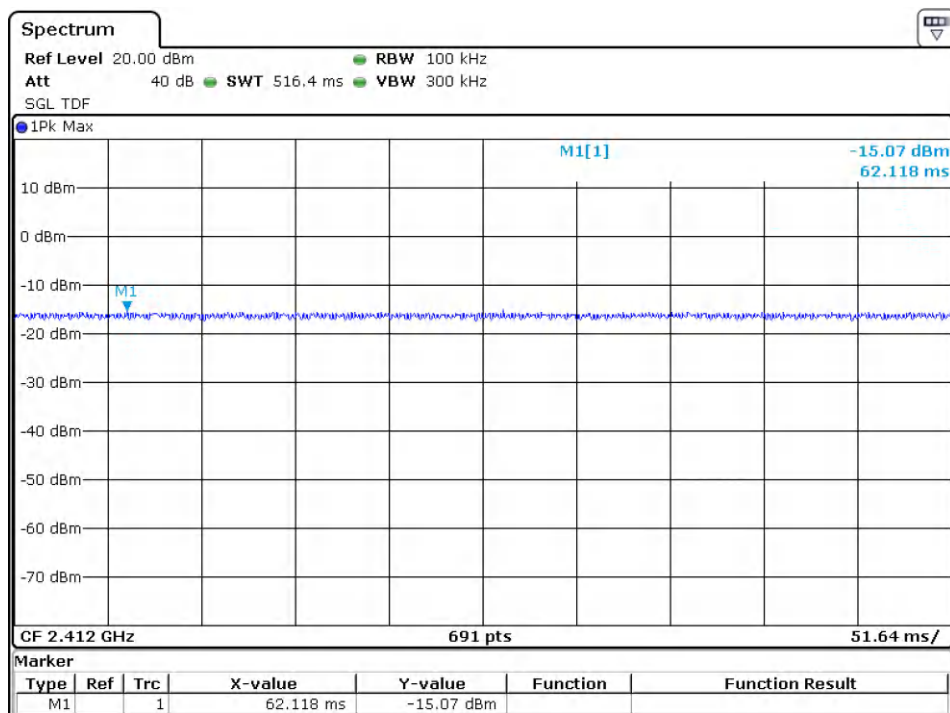
Mode: 802.11g, TX Frequency 2412MHz

Prüfbericht-Nr.:  
Test report no.:

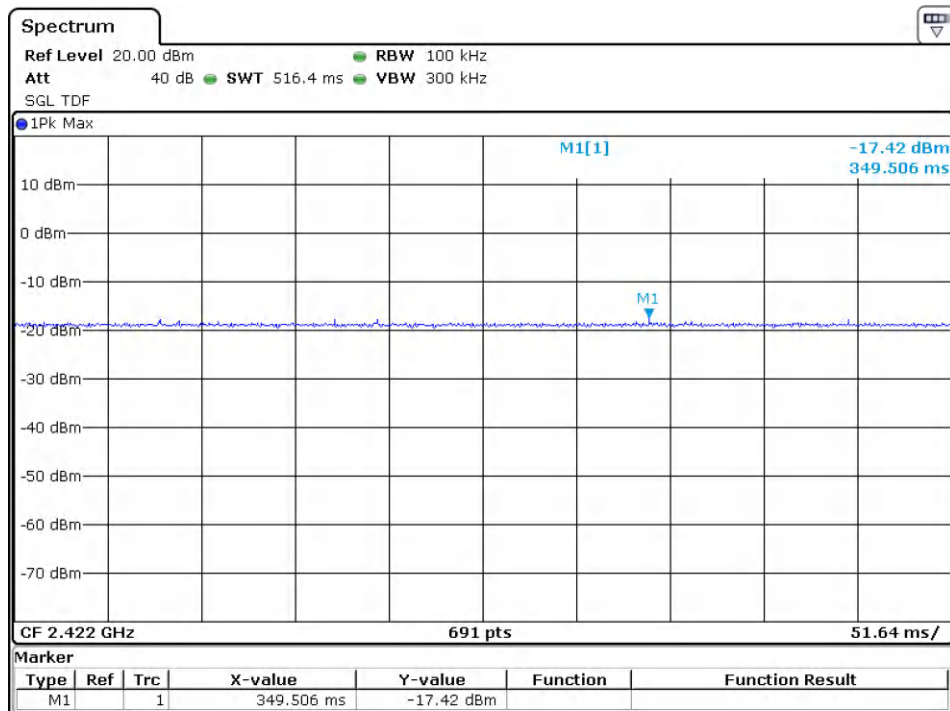
CN26PQPC 001

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| Absatz<br>Clause | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|



Mode: 802.11n HT20, TX Frequency 2412MHz



Mode: 802.11n HT40, TX Frequency 2422MHz

Prüfbericht-Nr.:  
Test report no.:

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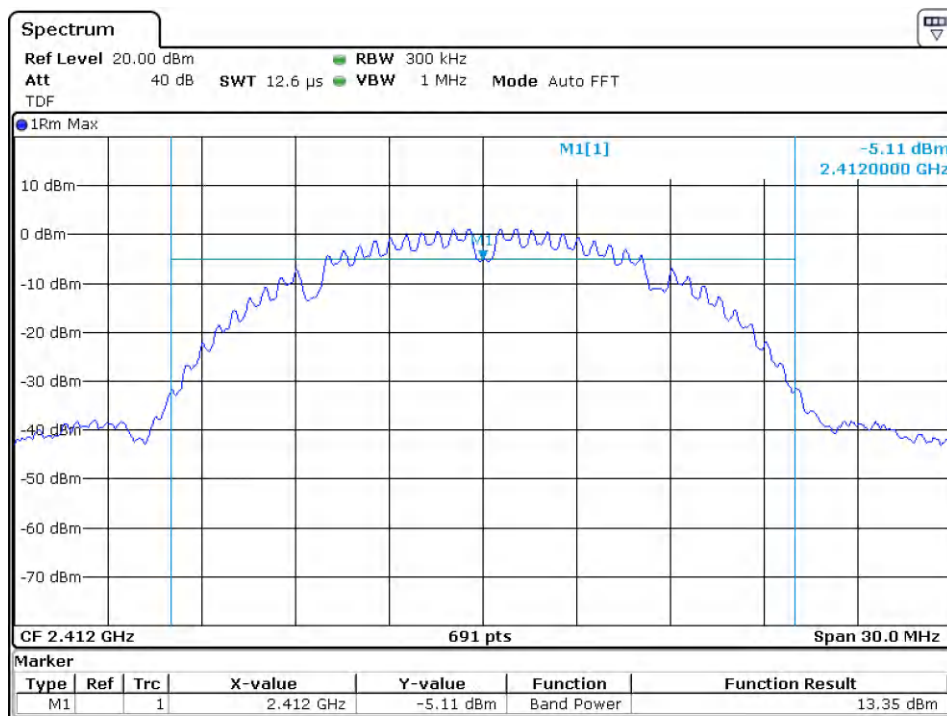
Absatz  
Clause

Anforderungen - Prüfungen /  
Requirements - Tests

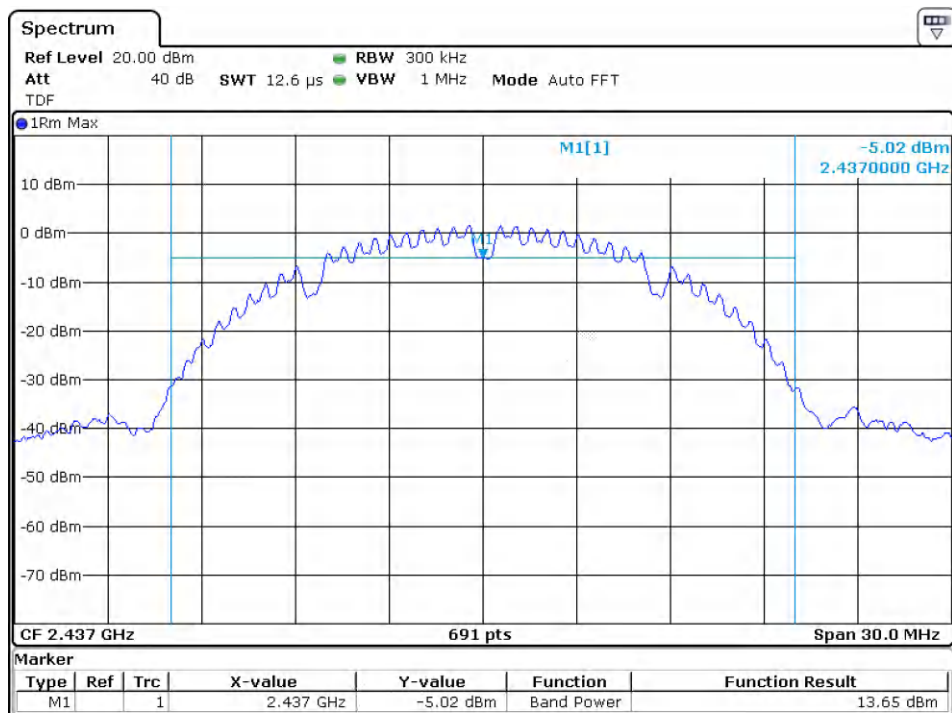
Messergebnisse – Bemerkungen/  
Measuring results - Remarks

Ergebnis  
Result

### Test results of Maximum Peak Conducted Output Power



Mode: 802.11b, TX Frequency 2412MHz



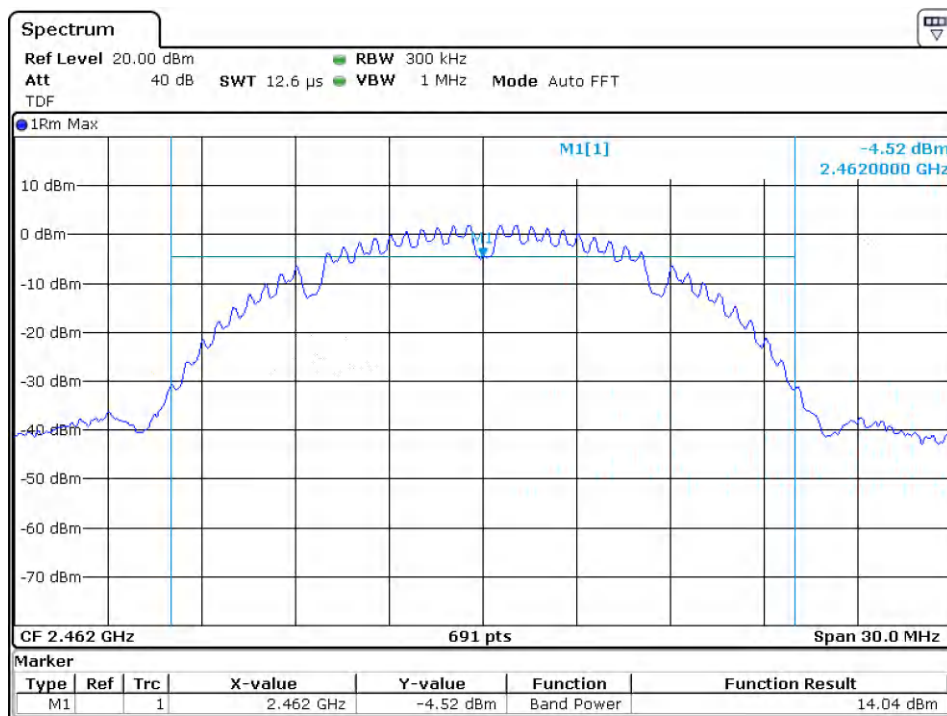
Mode: 802.11b, TX Frequency 2437MHz

Prüfbericht-Nr.:  
Test report no.:

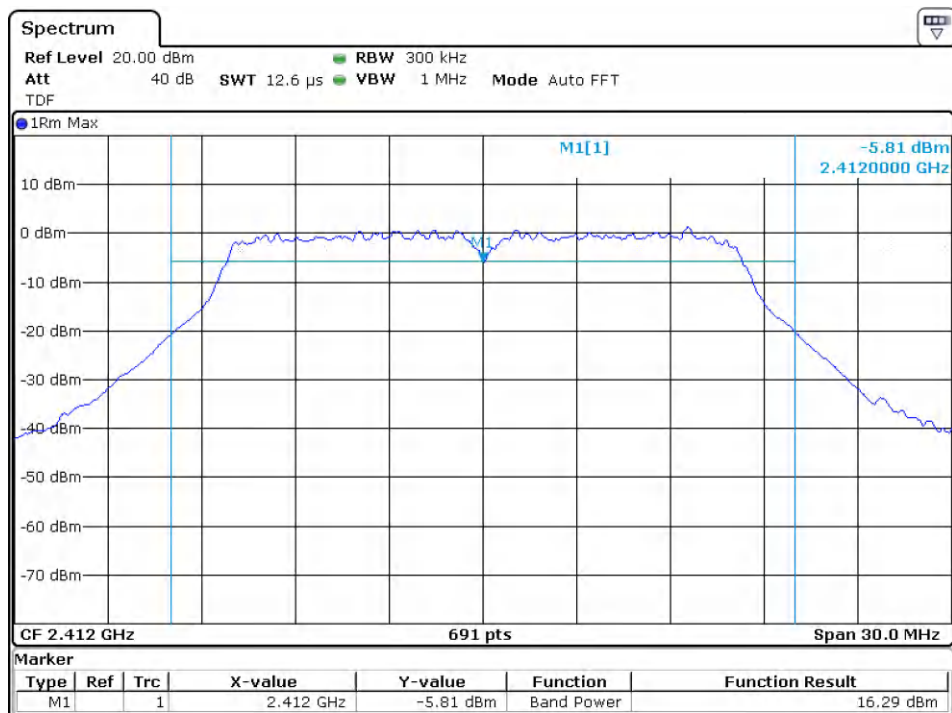
CN26PQPC 001

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Page 45 of 80

| Absatz<br>Clause | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|



Mode: 802.11b, TX Frequency 2462MHz



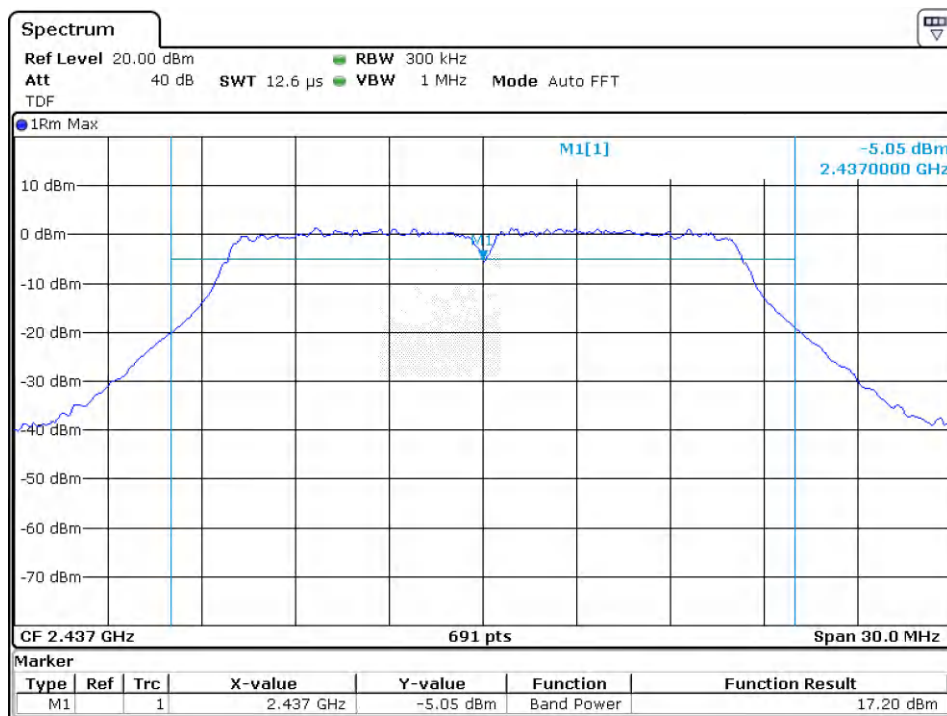
Mode: 802.11g, TX Frequency 2412MHz

Prüfbericht-Nr.:  
Test report no.:

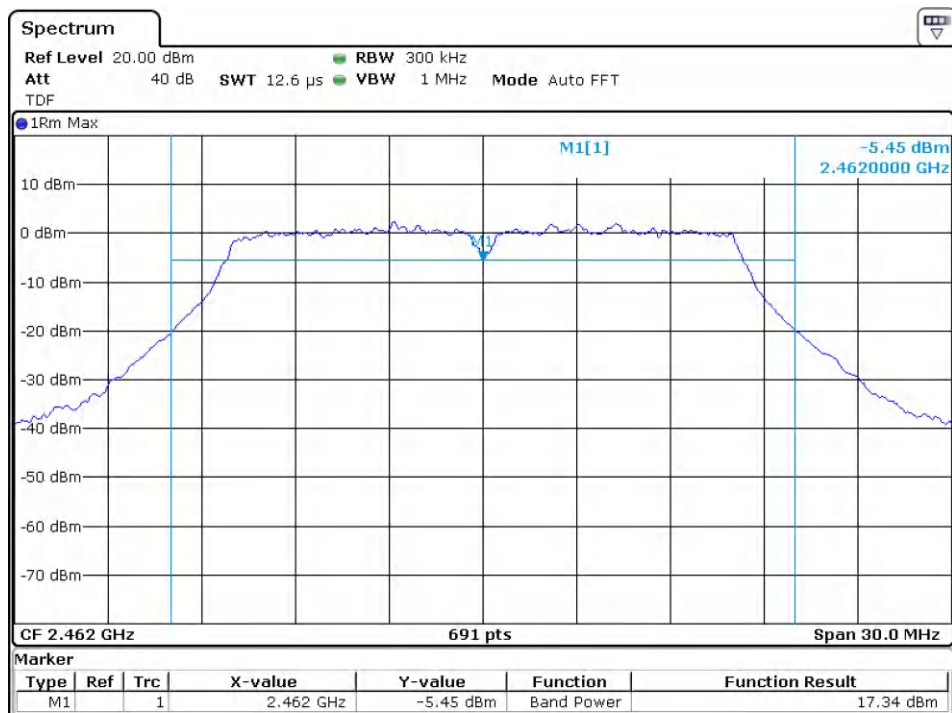
CN26PQPC 001

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Page 46 of 80

| Absatz<br>Clause | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
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Mode: 802.11g, TX Frequency 2437MHz



Mode: 802.11g, TX Frequency 2462MHz

Prüfbericht-Nr.:  
Test report no.:

CN26PQPC 001

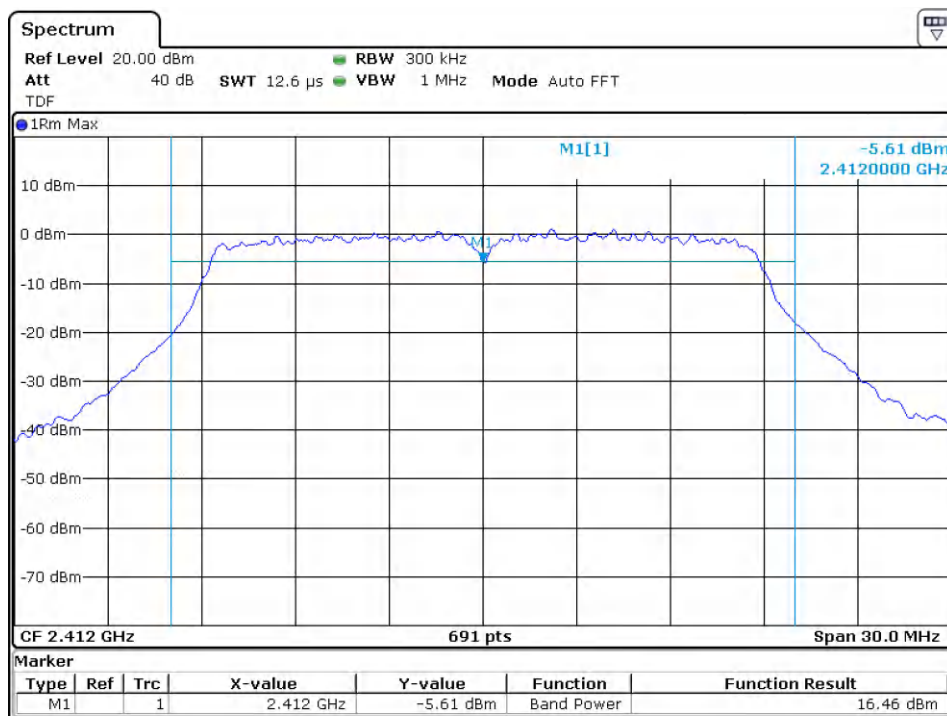
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Page 47 of 80

Absatz  
Clause

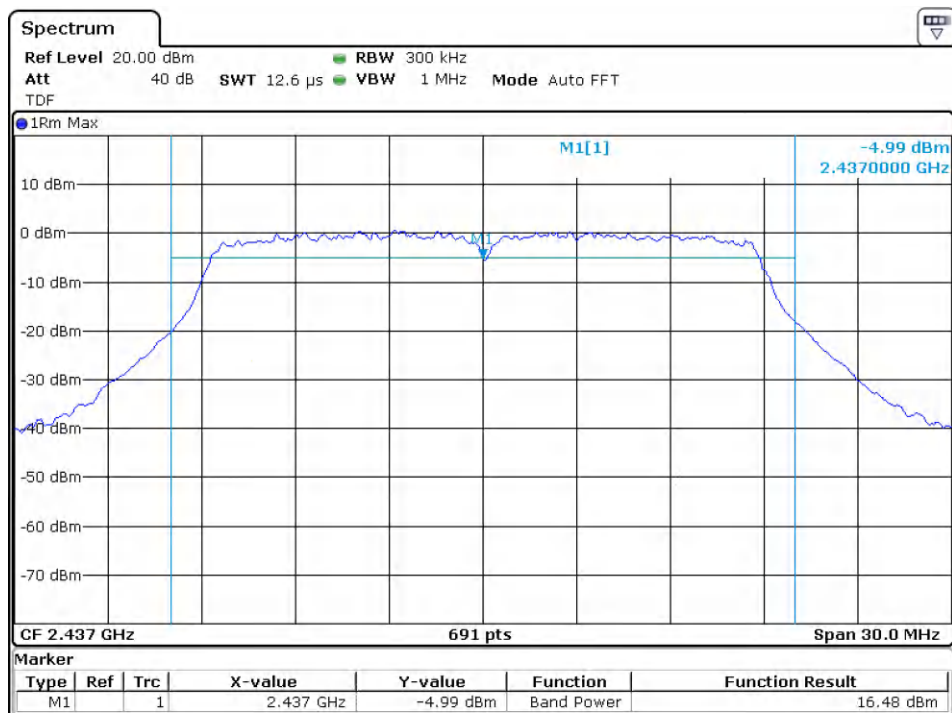
Anforderungen - Prüfungen /  
Requirements - Tests

Messergebnisse – Bemerkungen/  
Measuring results - Remarks

Ergebnis  
Result



Mode: 802.11n HT20, TX Frequency 2412MHz



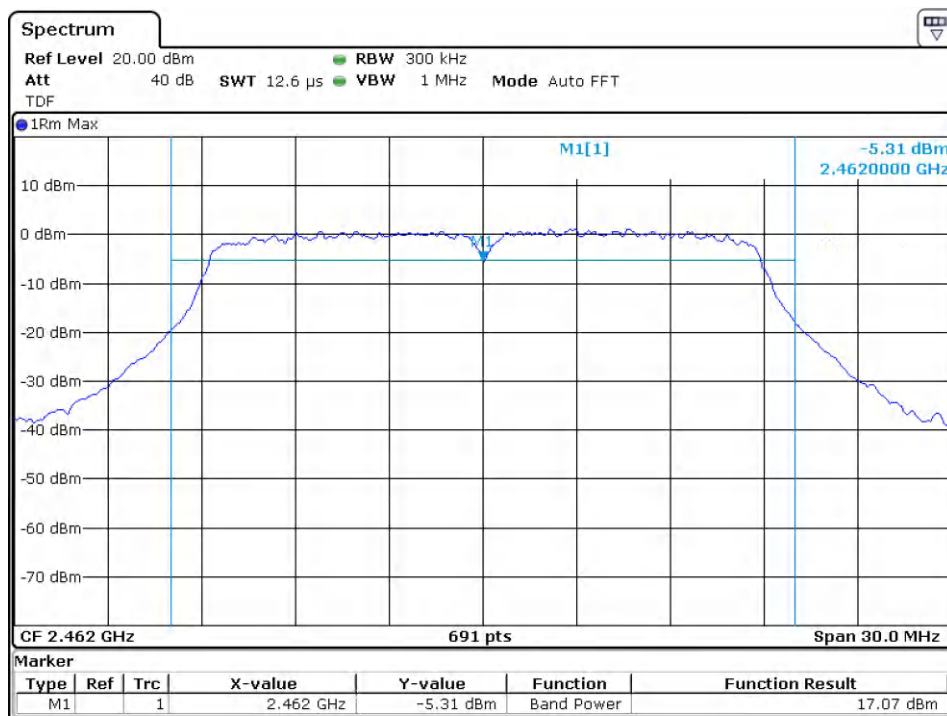
Mode: 802.11n HT20, TX Frequency 2437MHz

Prüfbericht-Nr.:  
Test report no.:

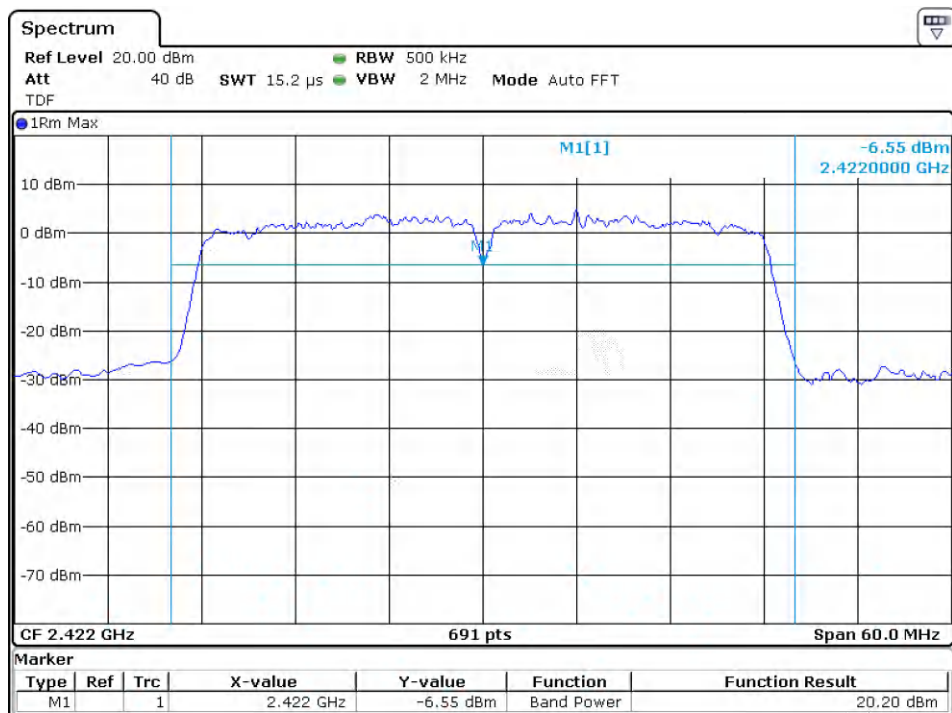
CN26PQPC 001

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| Absatz<br>Clause | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|



Mode: 802.11n HT20, TX Frequency 2462MHz



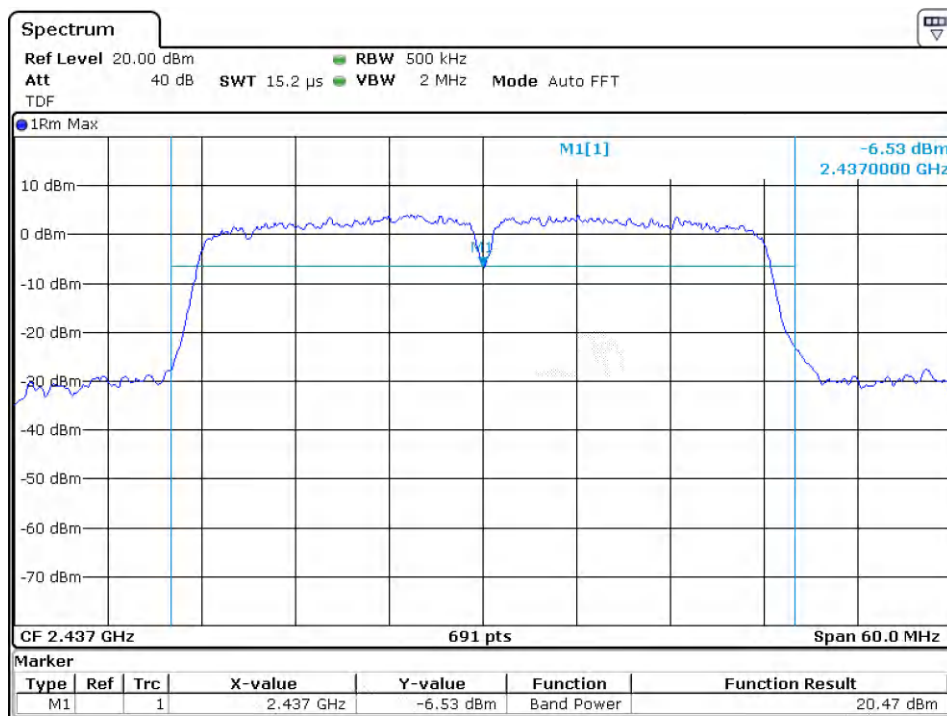
Mode: 802.11n HT40, TX Frequency 2422MHz

Prüfbericht-Nr.:  
Test report no.:

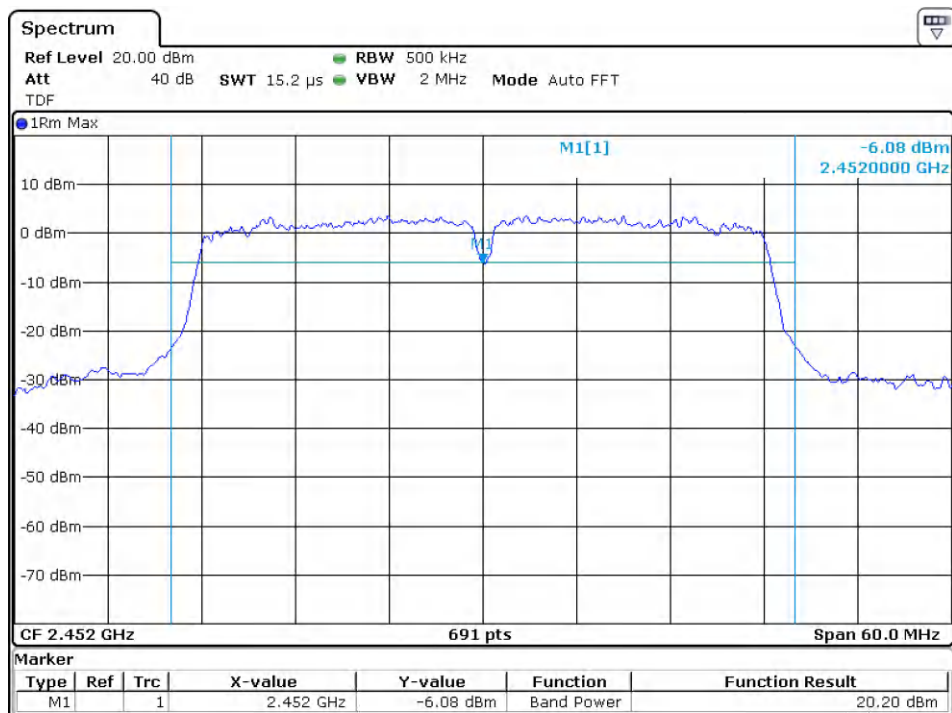
CN26PQPC 001

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| Absatz<br>Clause | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
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Mode: 802.11n HT40, TX Frequency 2437MHz



Mode: 802.11n HT40, TX Frequency 2452MHz

Prüfbericht-Nr.:  
Test report no.:

CN26PQPC 001

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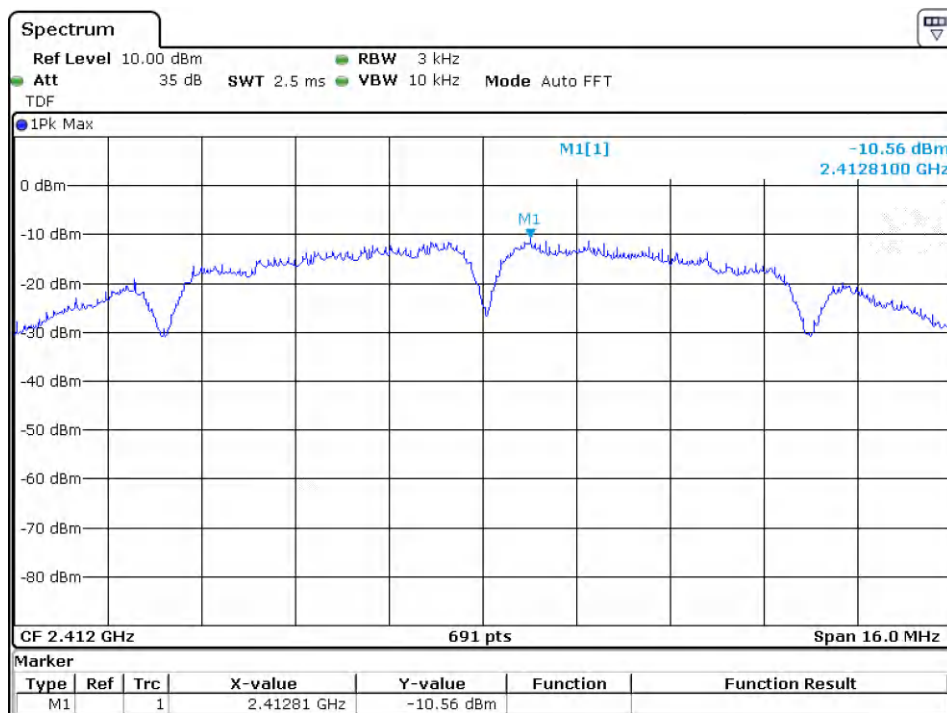
Absatz  
Clause

Anforderungen - Prüfungen /  
Requirements - Tests

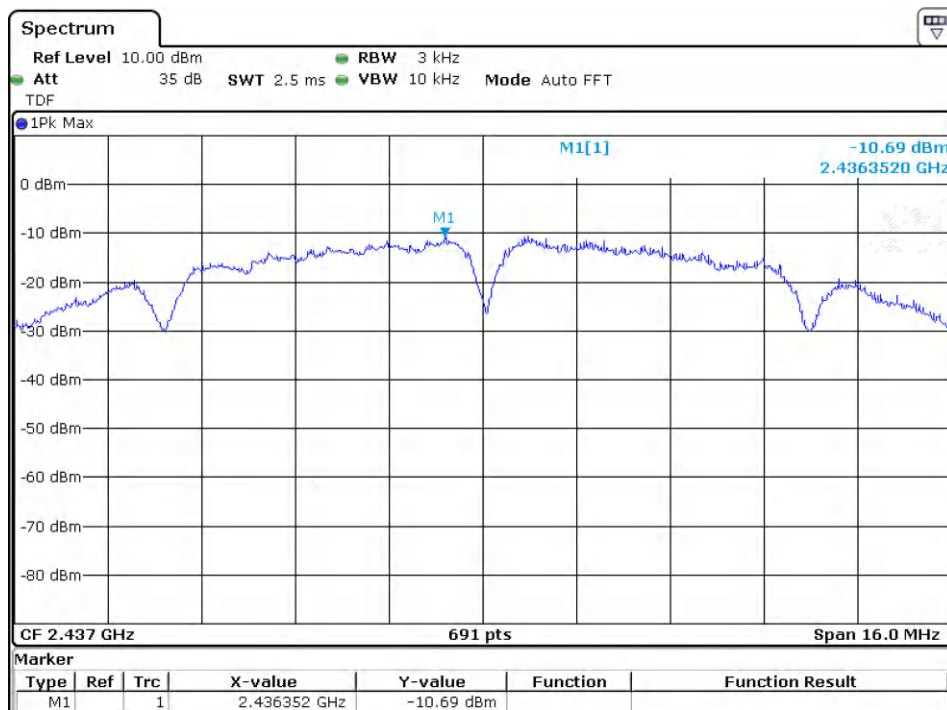
Messergebnisse – Bemerkungen/  
Measuring results - Remarks

Ergebnis  
Result

### Test results of Power Spectral Density



Mode: 802.11b, TX Frequency 2412MHz



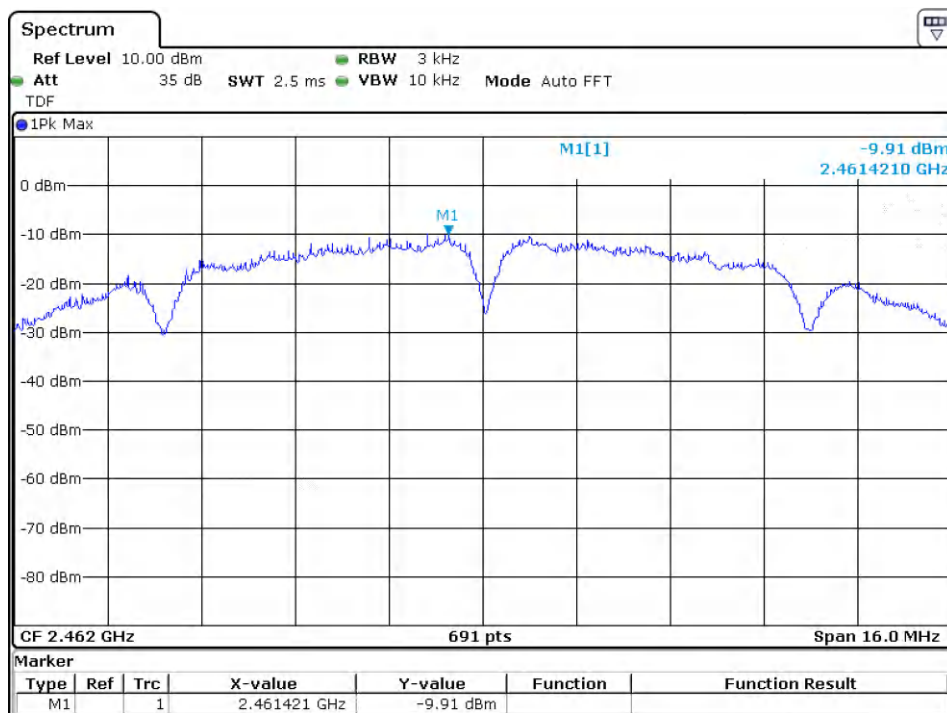
Mode: 802.11b, TX Frequency 2437MHz

Prüfbericht-Nr.:  
Test report no.:

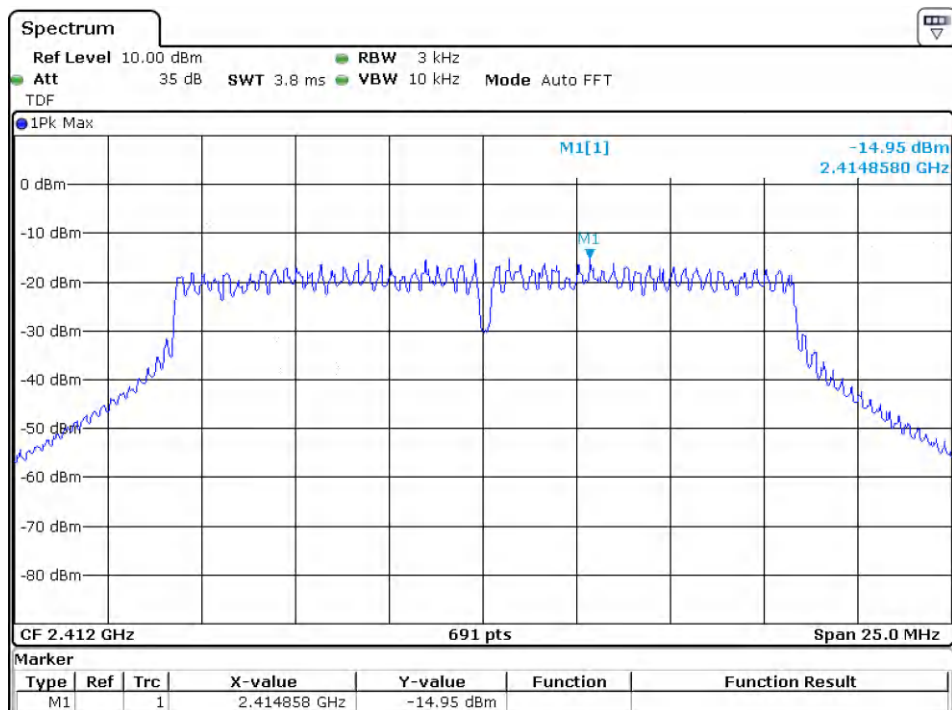
CN26PQPC 001

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| Absatz<br>Clause | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|



Mode: 802.11b, TX Frequency 2462MHz



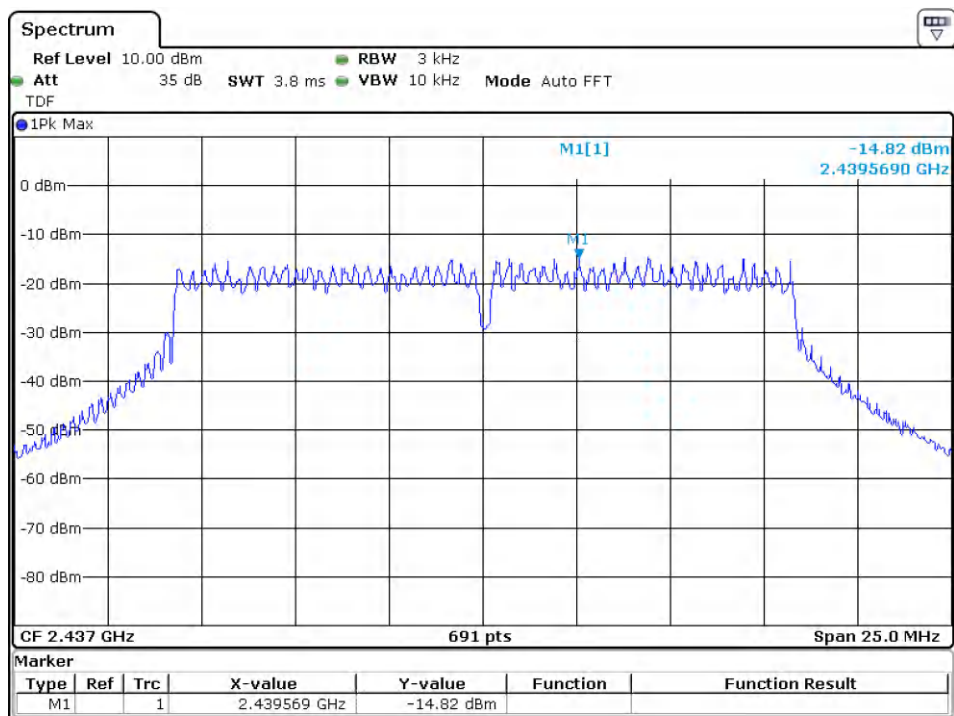
Mode: 802.11g, TX Frequency 2412MHz

Prüfbericht-Nr.:  
Test report no.:

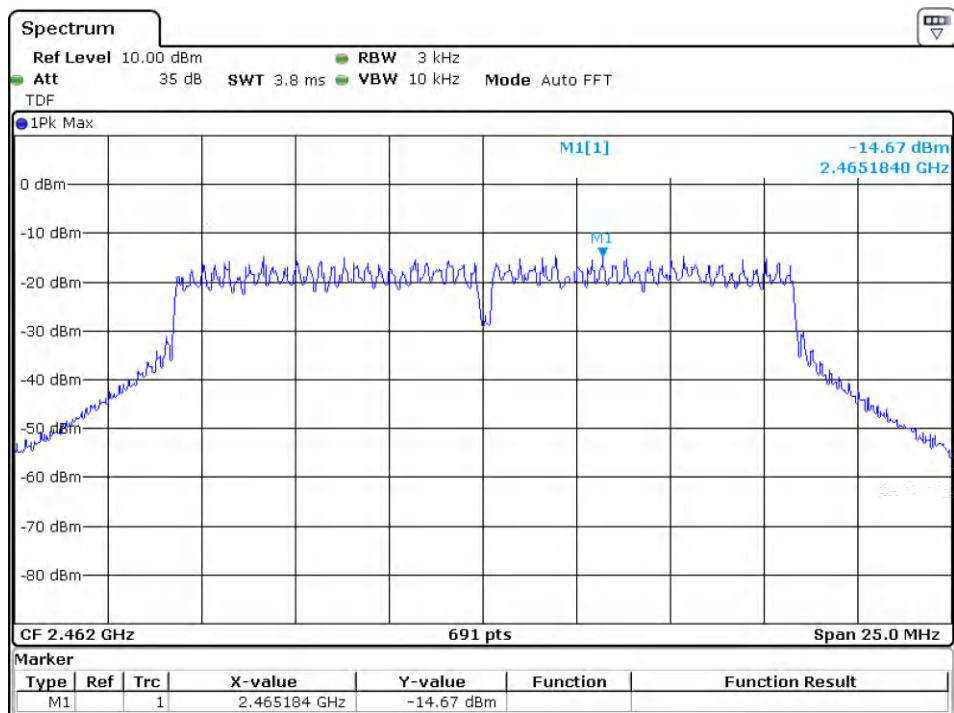
CN26PQPC 001

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| Absatz<br>Clause | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|



Mode: 802.11g, TX Frequency 2437MHz



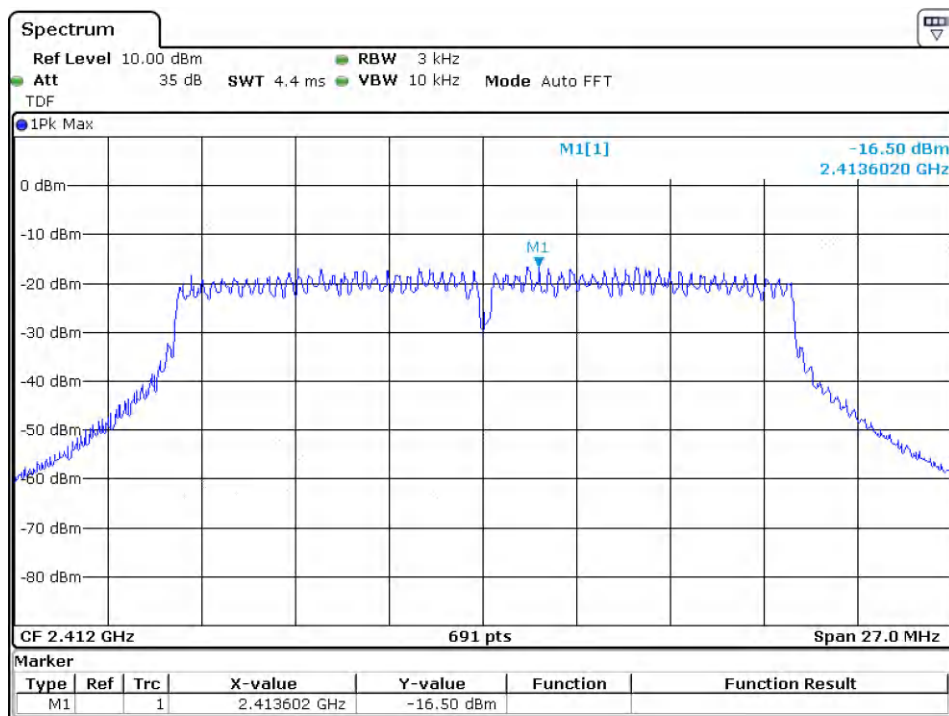
Mode: 802.11g, TX Frequency 2462MHz

Prüfbericht-Nr.:  
Test report no.:

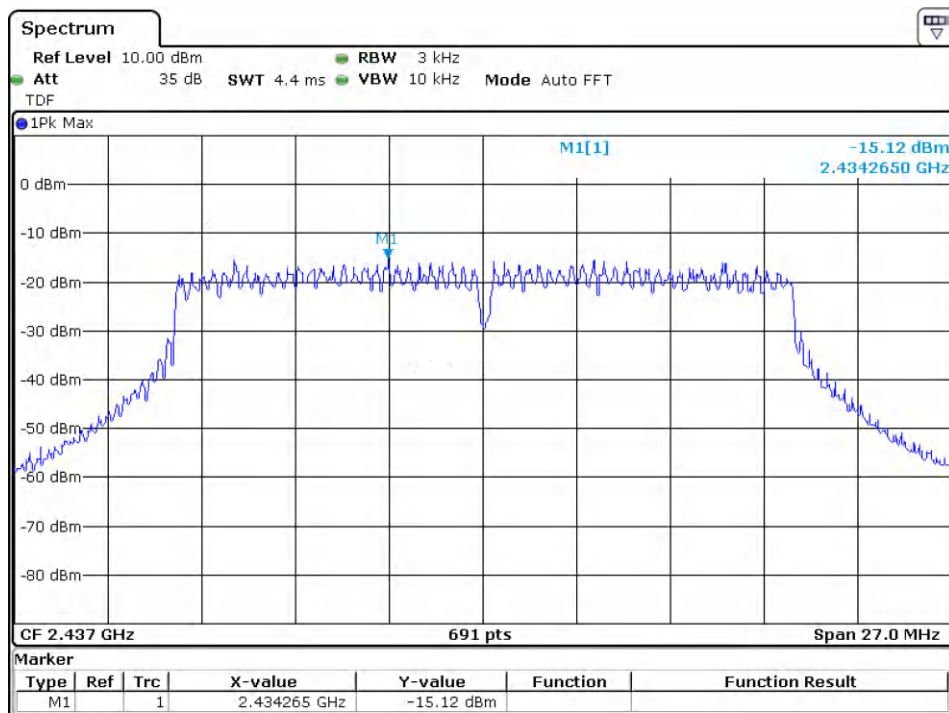
CN26PQPC 001

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| Absatz<br>Clause | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
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Mode: 802.11n HT20, TX Frequency 2412MHz



Mode: 802.11n HT20, TX Frequency 2437MHz

Prüfbericht-Nr.:  
Test report no.:

CN26PQPC 001

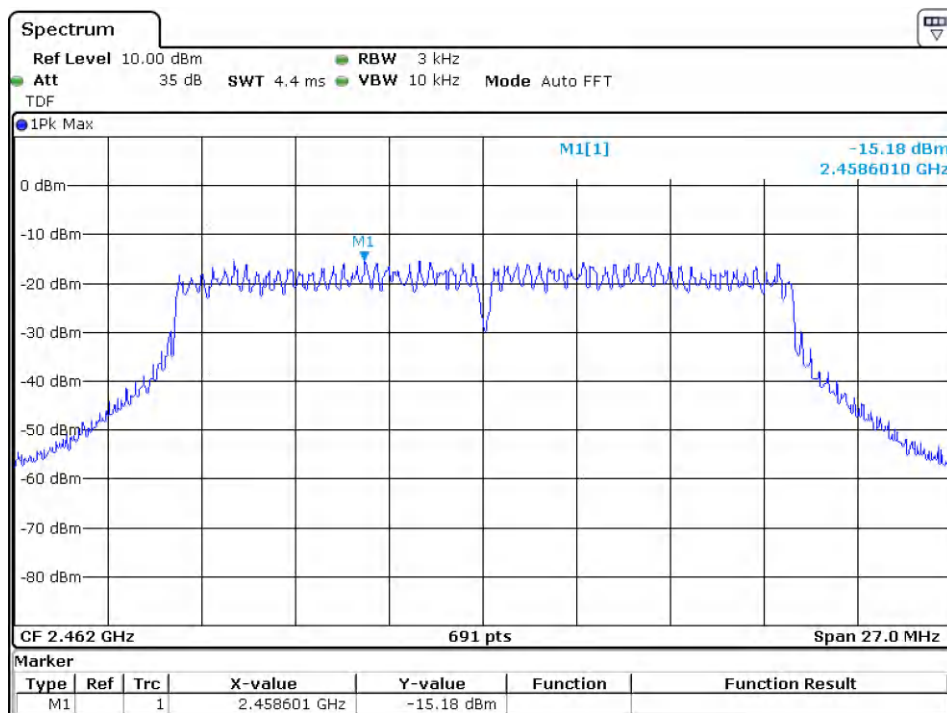
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Absatz  
Clause

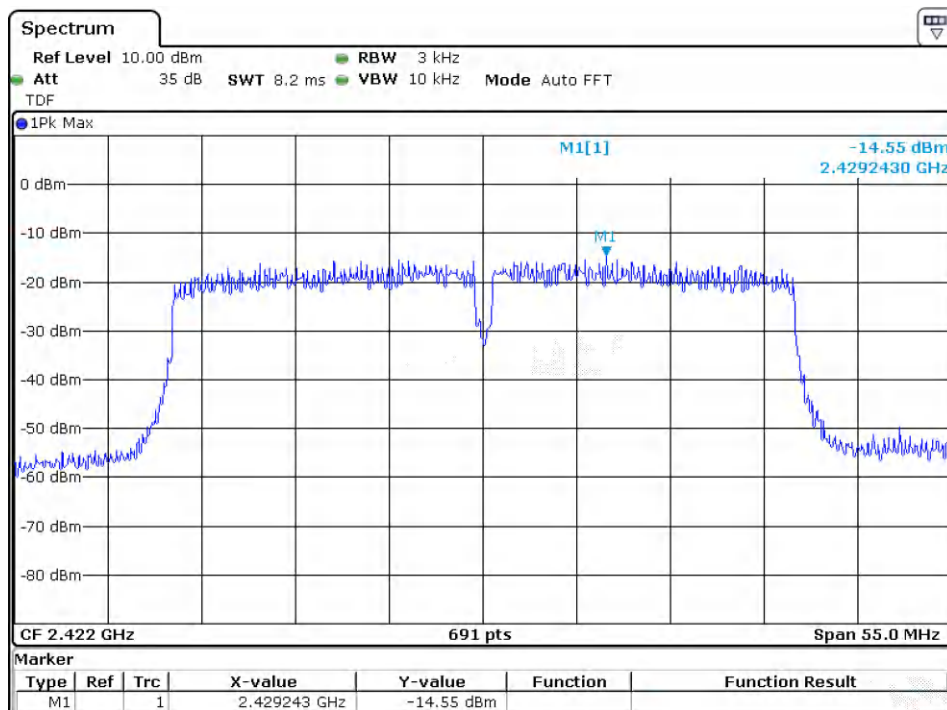
Anforderungen - Prüfungen /  
Requirements - Tests

Messergebnisse – Bemerkungen/  
Measuring results - Remarks

Ergebnis  
Result



Mode: 802.11n HT20, TX Frequency 2462MHz



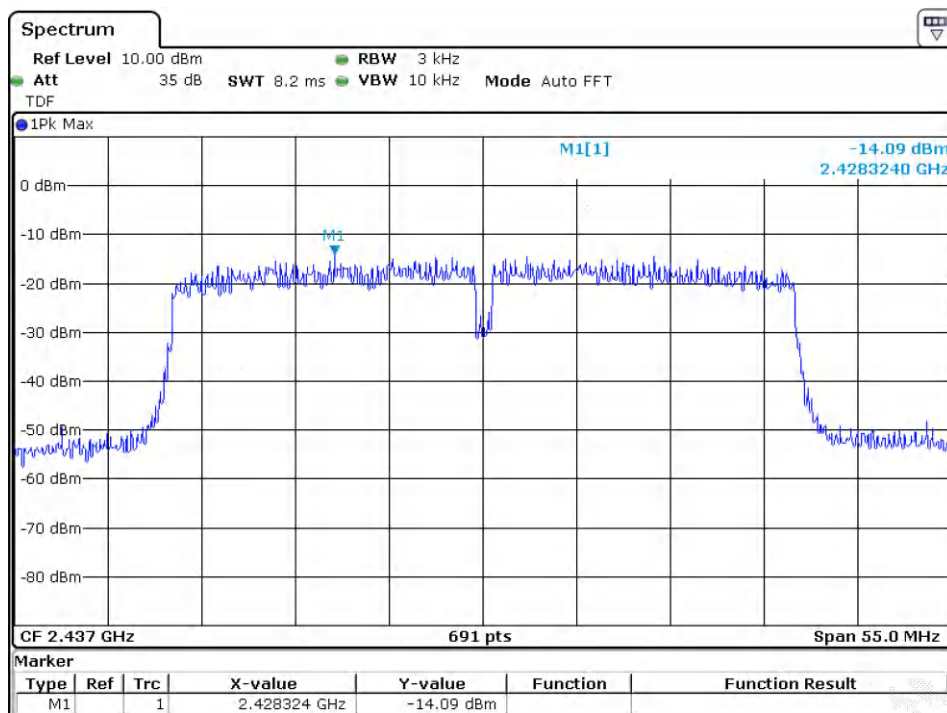
Mode: 802.11n HT40, TX Frequency 2422MHz

Prüfbericht-Nr.:  
Test report no.:

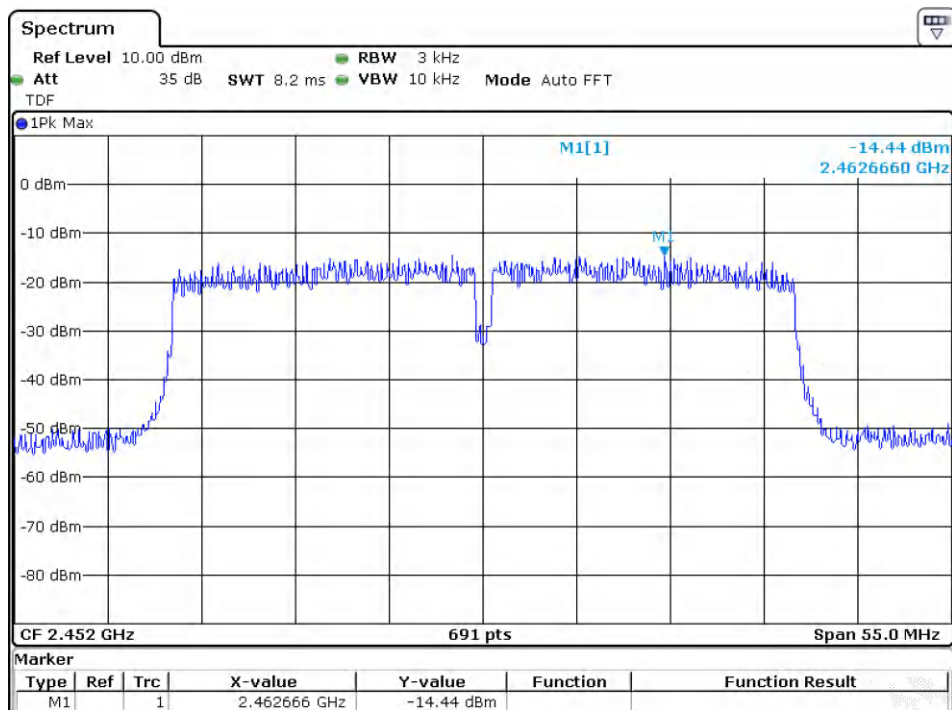
CN26PQPC 001

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Page 55 of 80

| Absatz<br>Clause | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|



Mode: 802.11n HT40, TX Frequency 2437MHz



Mode: 802.11n HT40, TX Frequency 2452MHz

Prüfbericht-Nr.:  
Test report no.:

CN26PQPC 001

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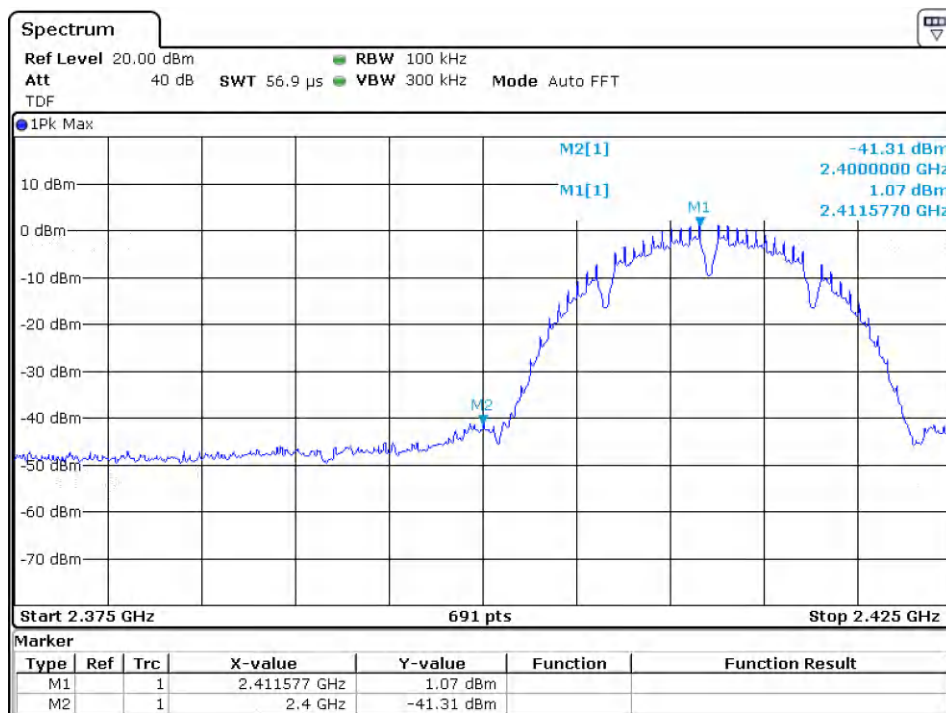
Absatz  
Clause

Anforderungen - Prüfungen /  
Requirements - Tests

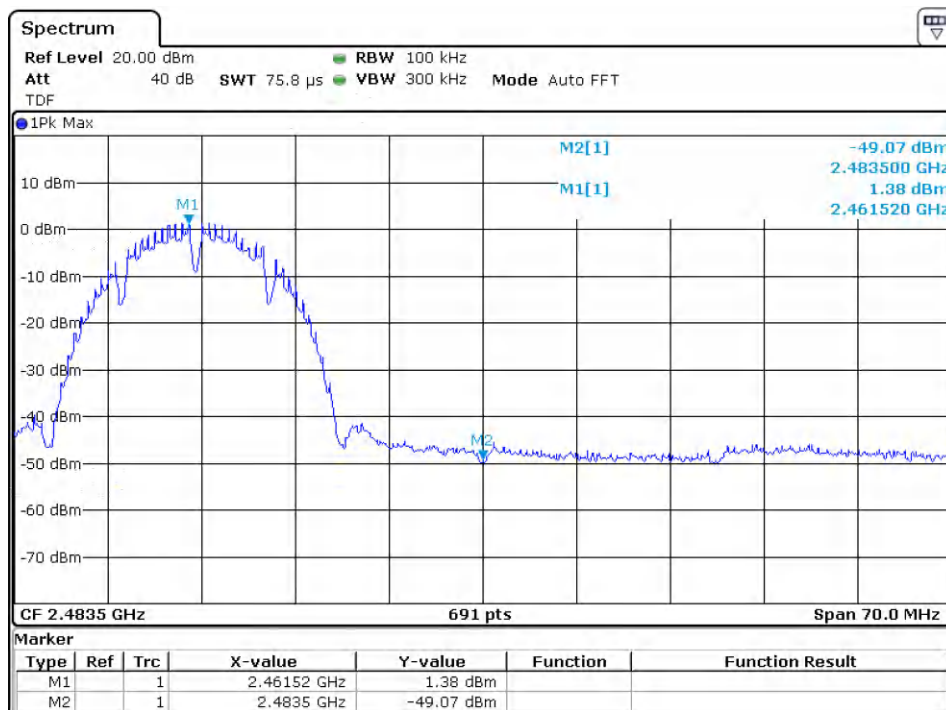
Messergebnisse – Bemerkungen/  
Measuring results - Remarks

Ergebnis  
Result

### Test results of Spurious Conducted Emissions



Mode: 802.11b, TX Frequency 2412MHz \_ Band Edge



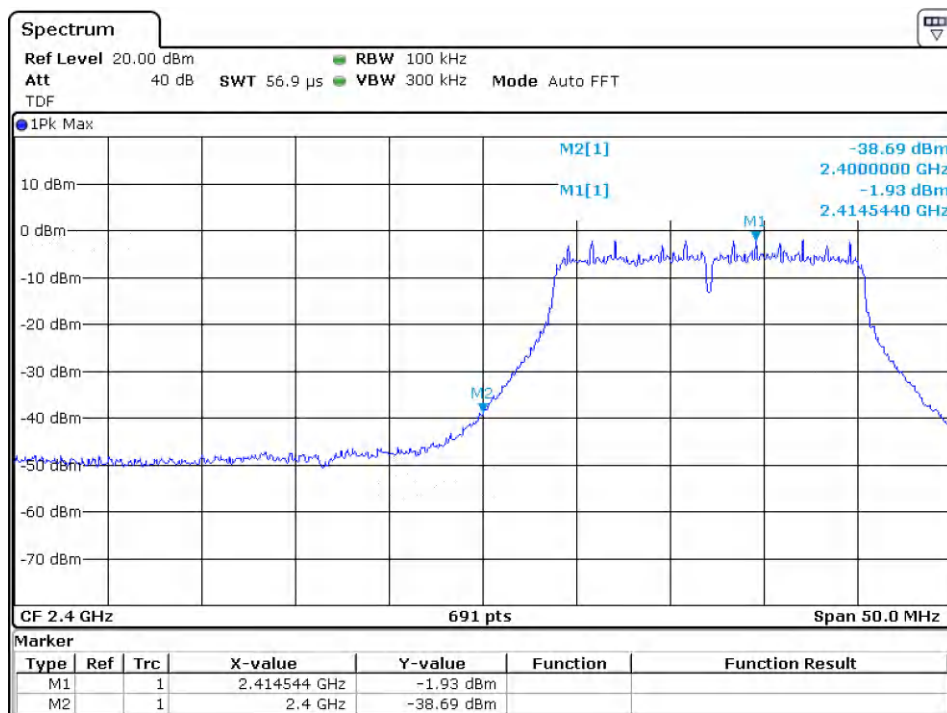
Mode: 802.11b, TX Frequency 2462MHz \_ Band Edge

Prüfbericht-Nr.:  
Test report no.:

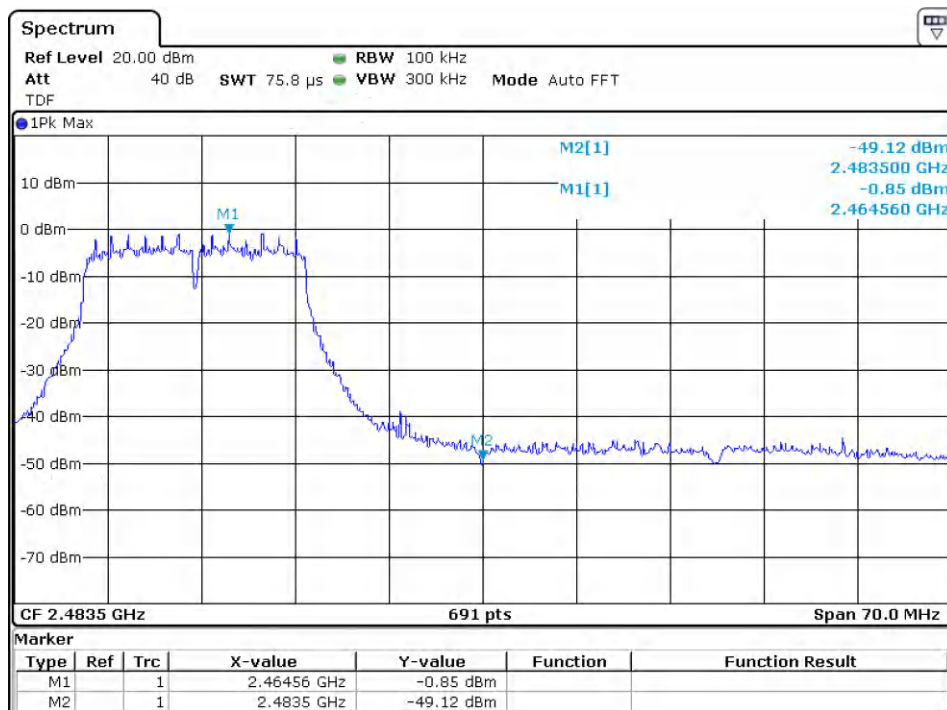
CN26PQPC 001

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Page 57 of 80

| Absatz<br>Clause | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|



Mode: 802.11g, TX Frequency 2412MHz \_ Band Edge



Mode: 802.11g, TX Frequency 2462MHz \_ Band Edge

Prüfbericht-Nr.:  
Test report no.:

CN26PQPC 001

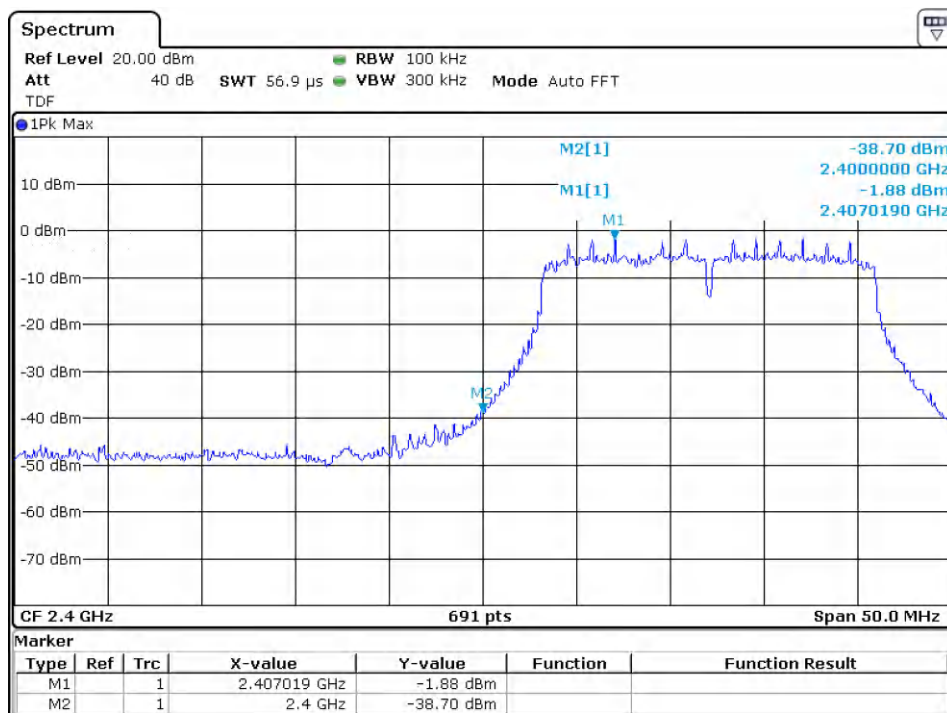
Seite 58 von 80  
Page 58 of 80

Absatz  
Clause

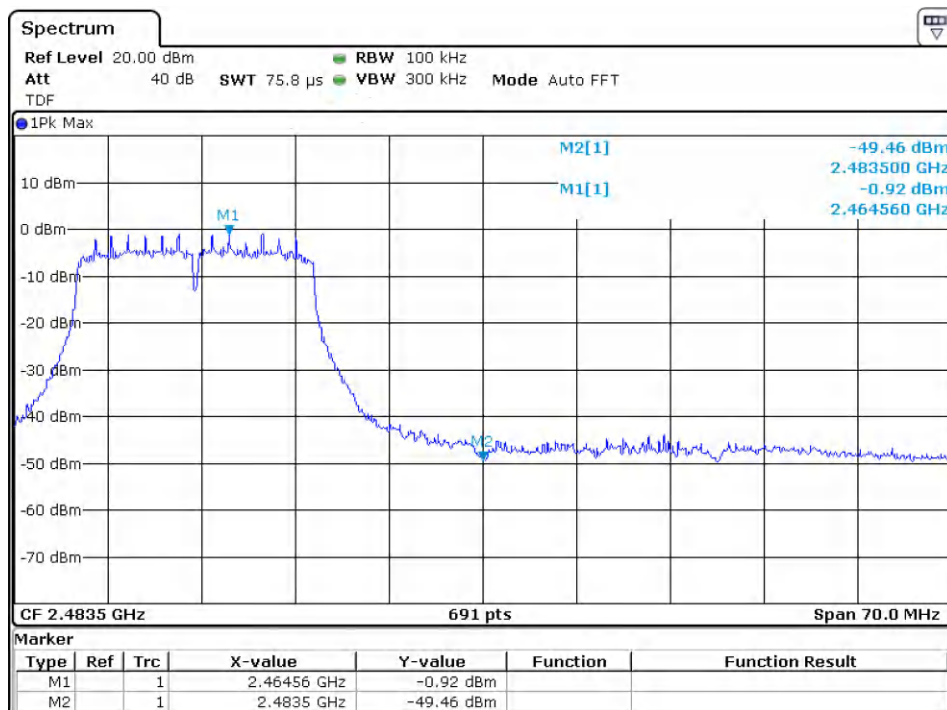
Anforderungen - Prüfungen /  
Requirements - Tests

Messergebnisse – Bemerkungen/  
Measuring results - Remarks

Ergebnis  
Result



Mode: 802.11n HT20, TX Frequency 2412MHz \_ Band Edge



Mode: 802.11n HT20, TX Frequency 2462MHz \_ Band Edge

Prüfbericht-Nr.:  
Test report no.:

CN26PQPC 001

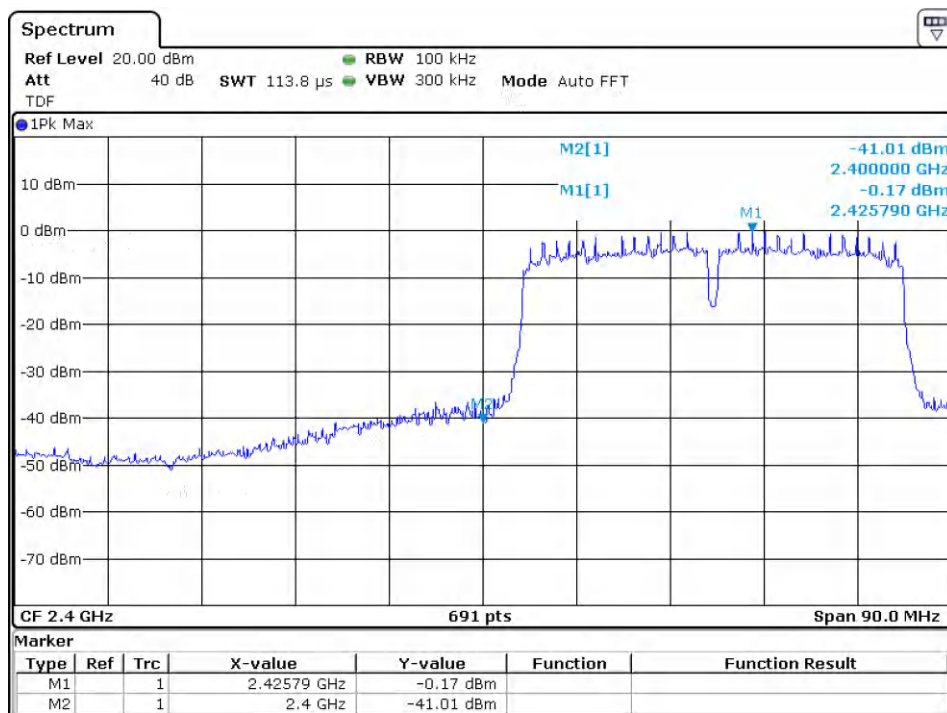
Seite 59 von 80  
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Absatz  
Clause

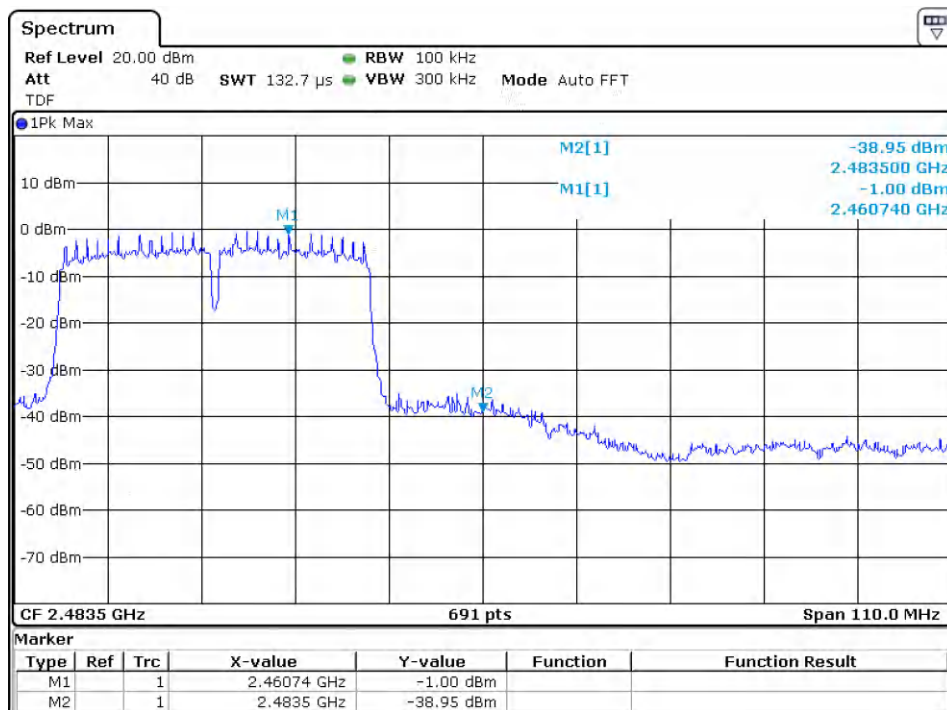
Anforderungen - Prüfungen /  
Requirements - Tests

Messergebnisse – Bemerkungen/  
Measuring results - Remarks

Ergebnis  
Result



Mode: 802.11n HT40, TX Frequency 2422MHz \_ Band Edge



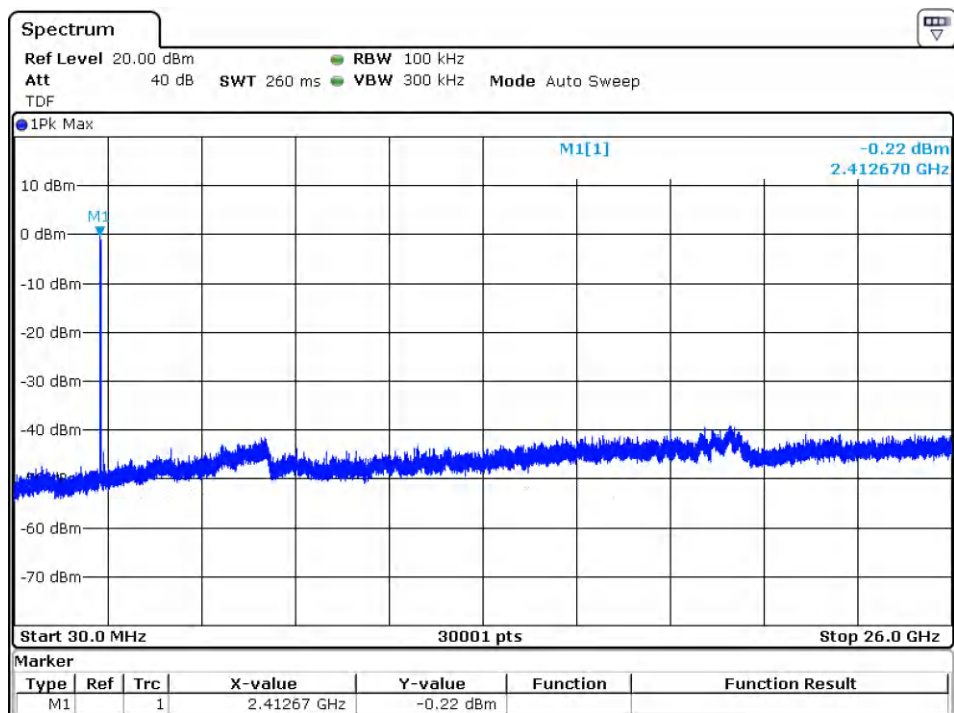
Mode: 802.11n HT40, TX Frequency 2452MHz \_ Band Edge

Prüfbericht-Nr.:  
Test report no.:

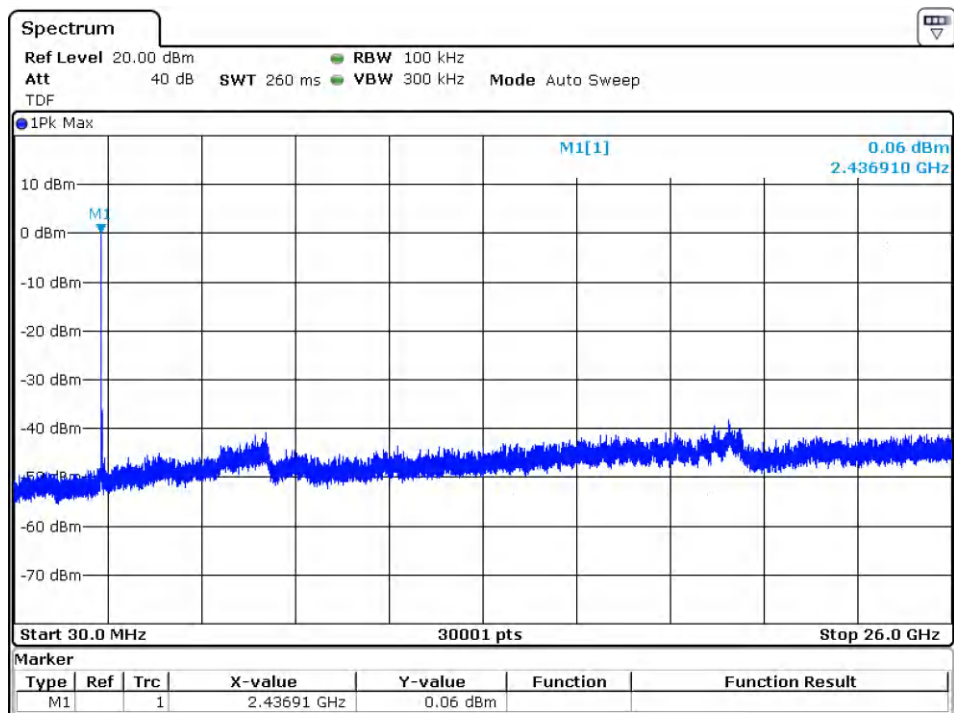
CN26PQPC 001

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| Absatz<br>Clause | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|



Mode: 802.11b, TX Frequency 2412MHz\_Pre-scan



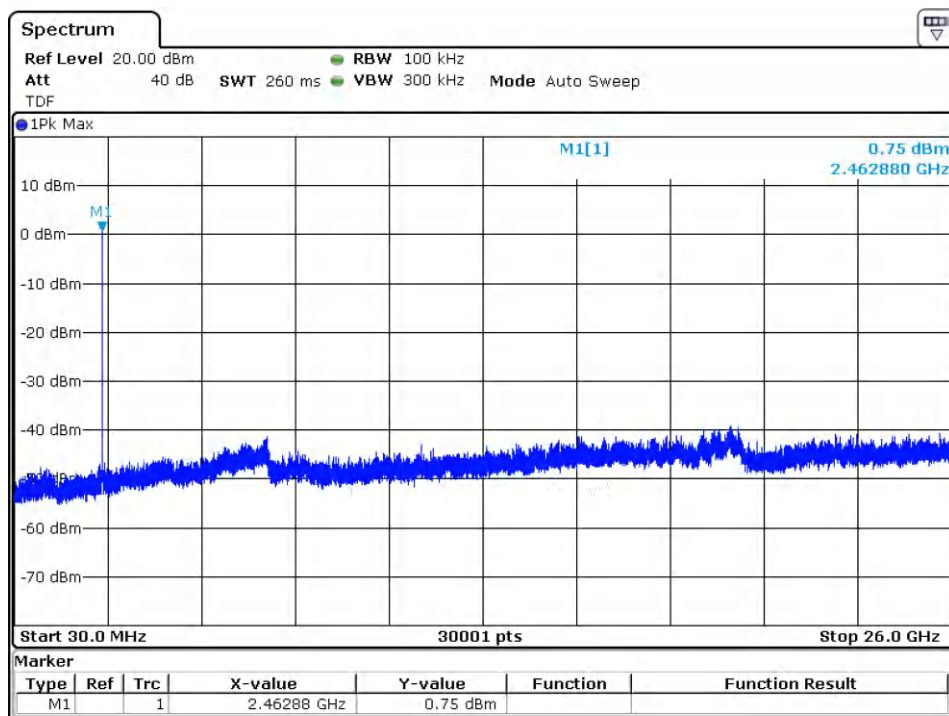
Mode: 802.11b, TX Frequency 2437MHz\_Pre-scan

Prüfbericht-Nr.:  
Test report no.:

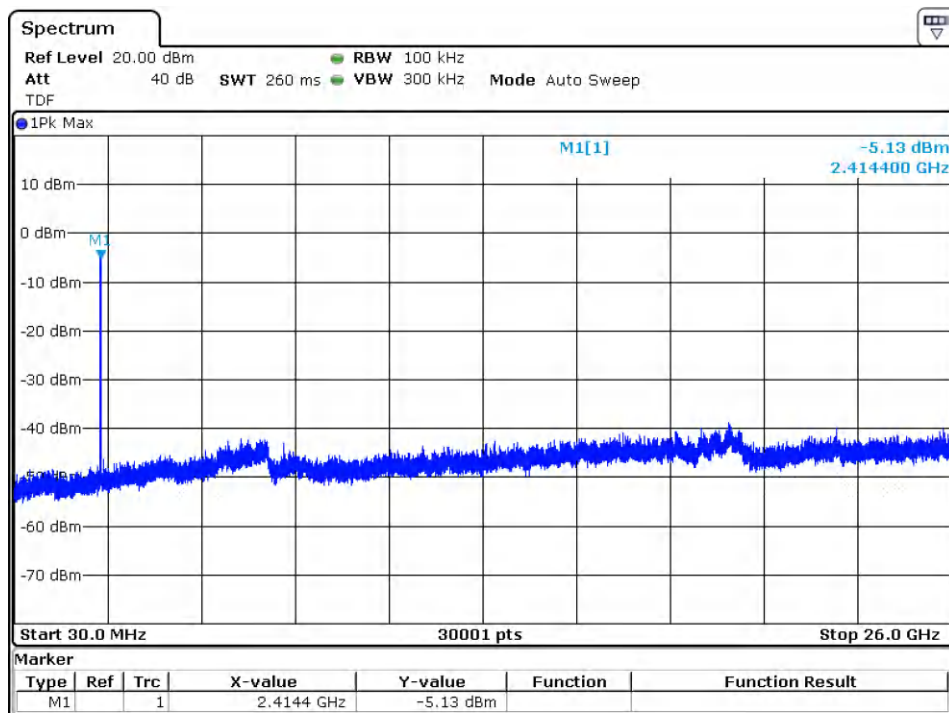
CN26PQPC 001

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| Absatz<br>Clause | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|



Mode: 802.11b, TX Frequency 2462MHz\_Pre-scan



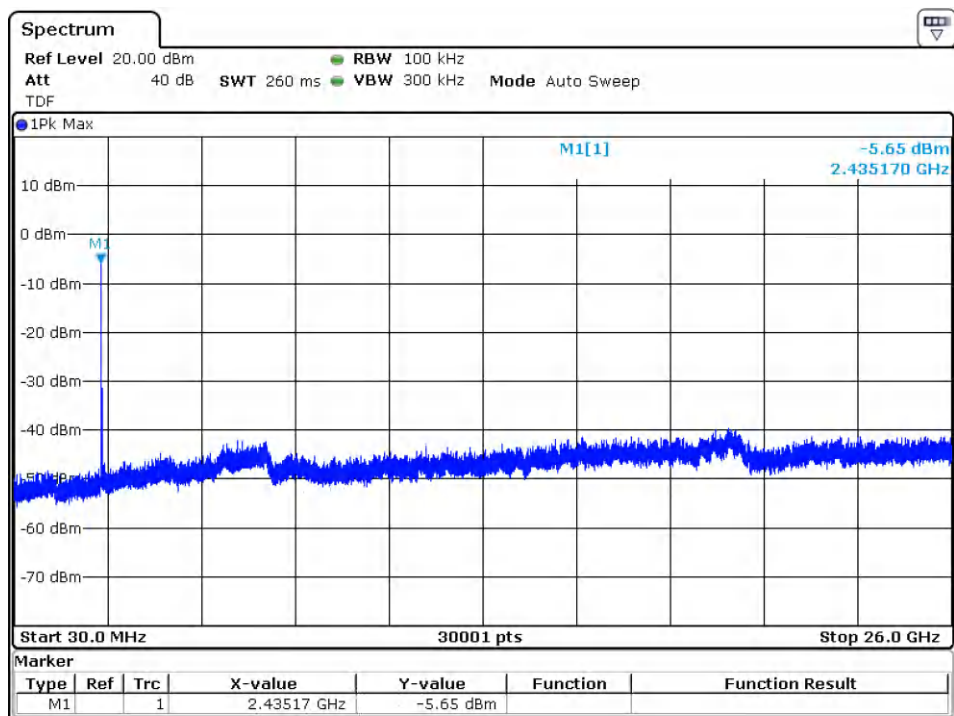
Mode: 802.11g, TX Frequency 2412MHz\_Pre-scan

Prüfbericht-Nr.:  
Test report no.:

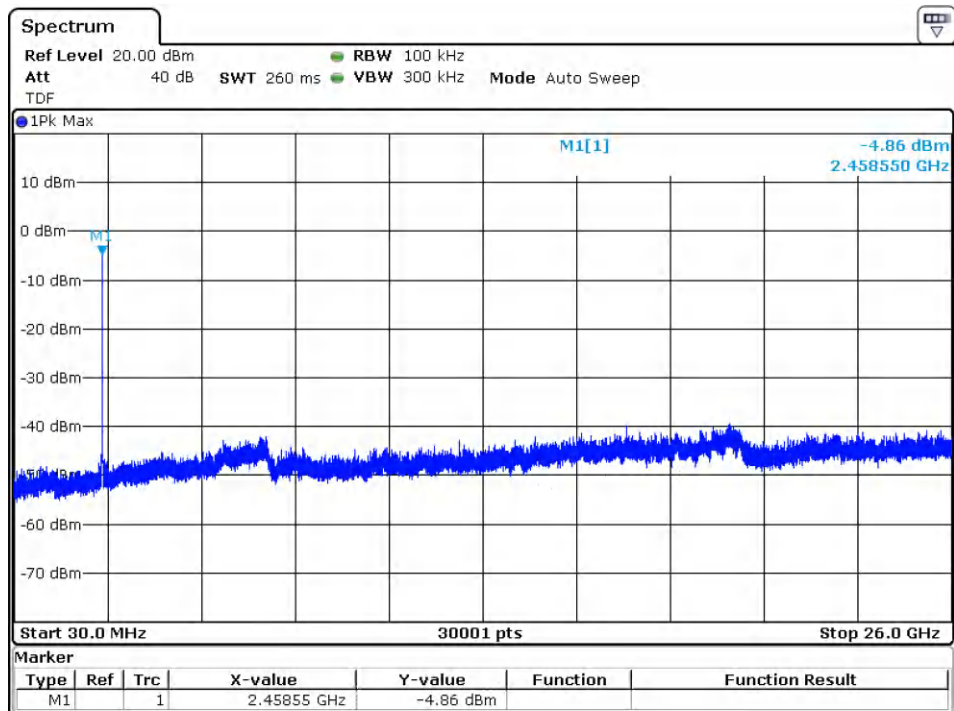
CN26PQPC 001

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| Absatz<br>Clause | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|



Mode: 802.11g, TX Frequency 2437MHz\_Pre-scan



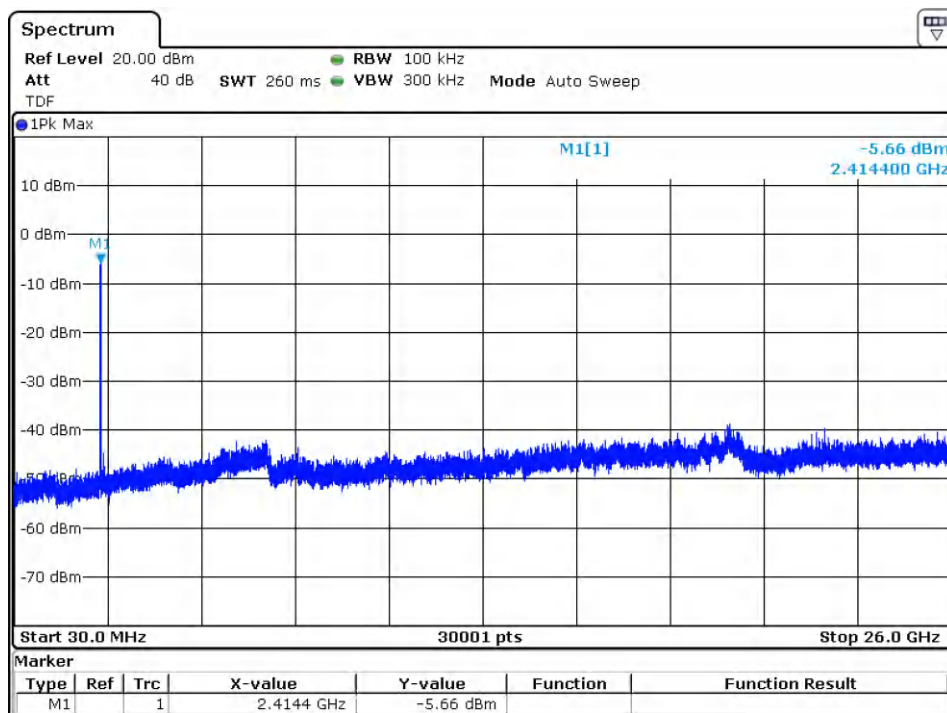
Mode: 802.11g, TX Frequency 2462MHz\_Pre-scan

Prüfbericht-Nr.:  
Test report no.:

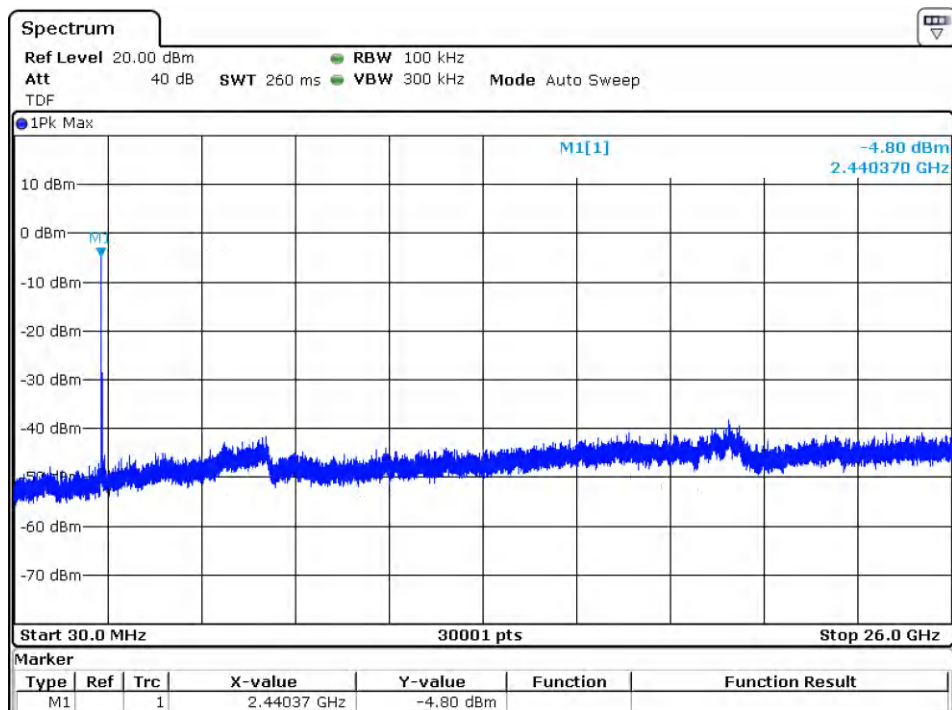
CN26QPC 001

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| Absatz<br>Clause | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|



Mode: 802.11n HT20, TX Frequency 2412MHz\_Pre-scan



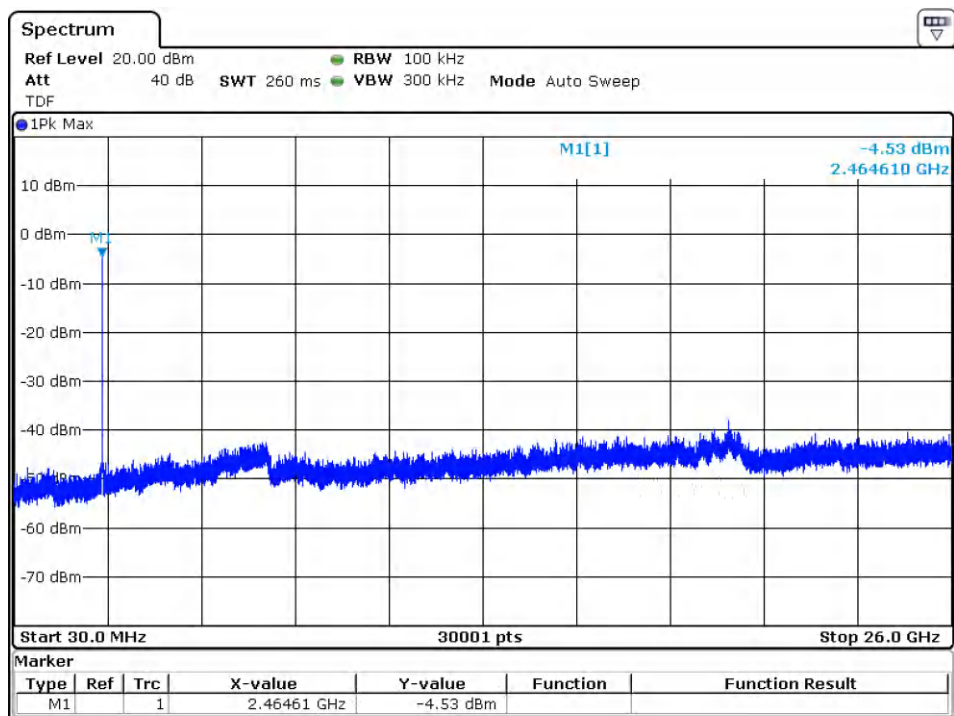
Mode: 802.11n HT20, TX Frequency 2437MHz\_Pre-scan

Prüfbericht-Nr.:  
Test report no.:

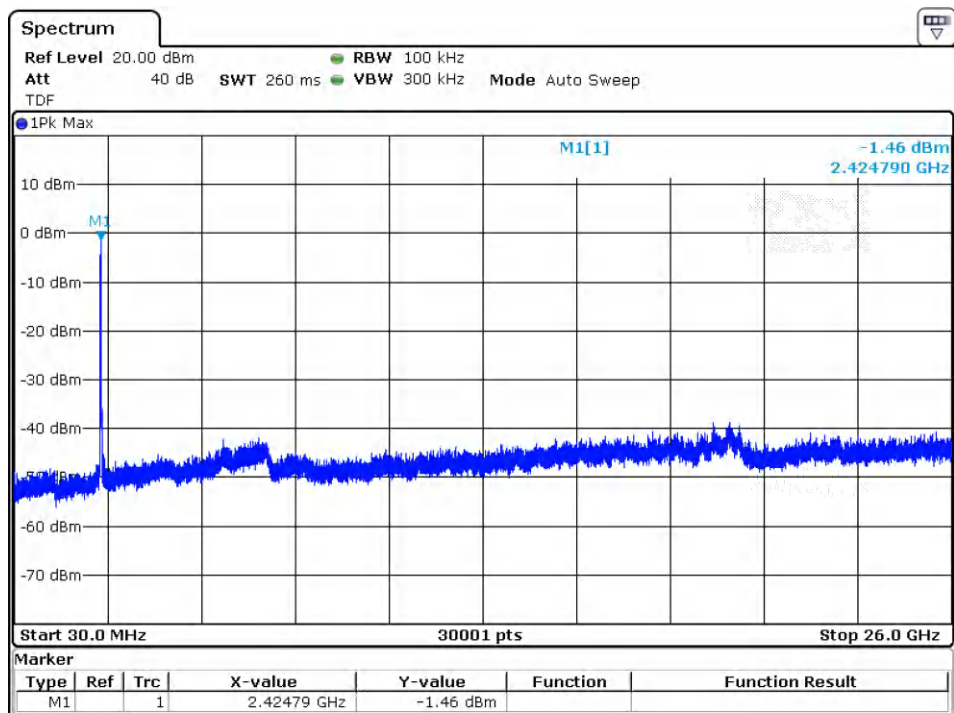
CN26PQPC 001

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| Absatz<br>Clause | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|



Mode: 802.11n HT20, TX Frequency 2462MHz\_Pre-scan



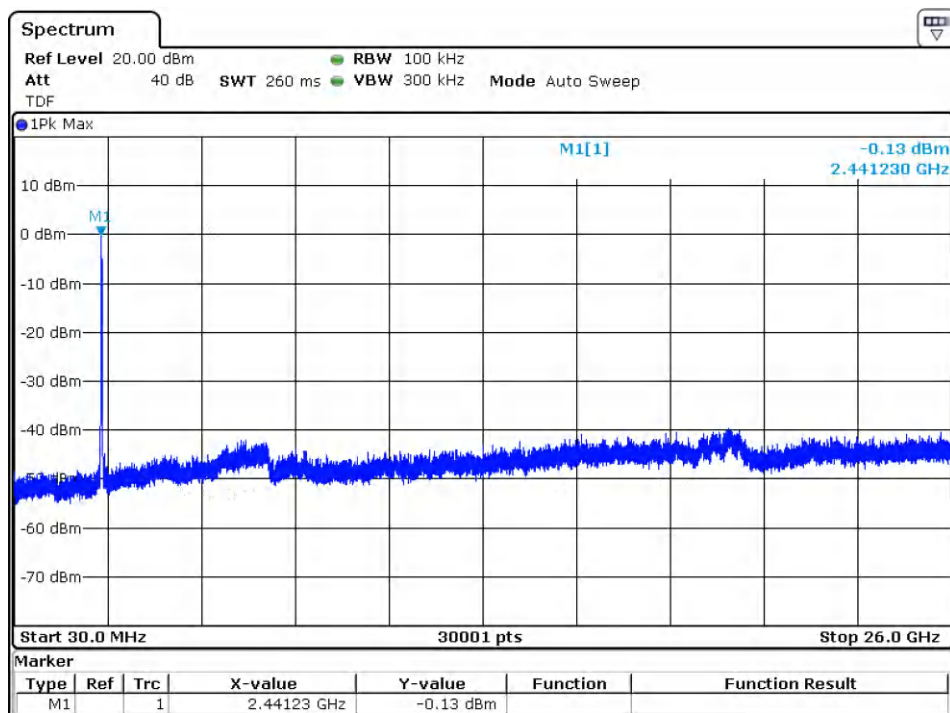
Mode: 802.11n HT40, TX Frequency 2422MHz\_Pre-scan

Prüfbericht-Nr.:  
Test report no.:

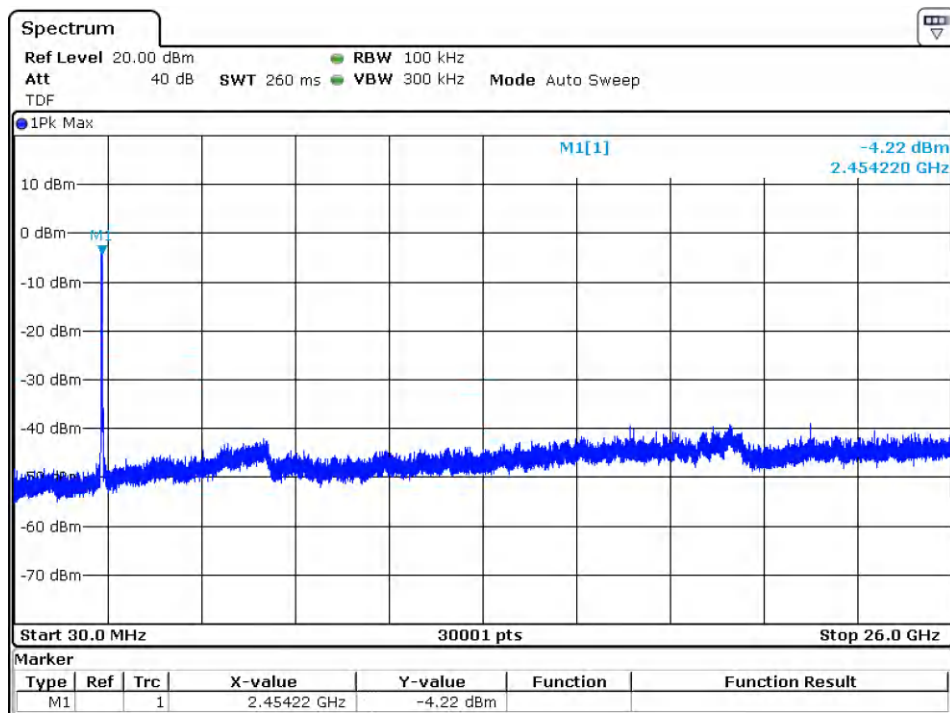
CN26QPC 001

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| Absatz<br>Clause | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|



Mode: 802.11n HT40, TX Frequency 2437MHz\_Pre-scan



Mode: 802.11n HT40, TX Frequency 2452MHz\_Pre-scan

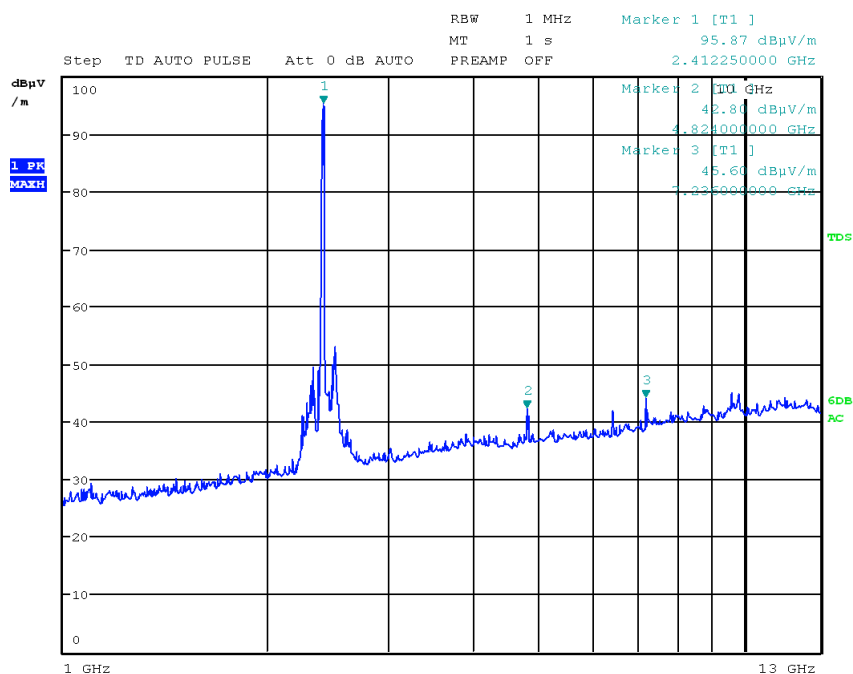
Prüfbericht-Nr.:  
Test report no.:

CN26PQPC 001

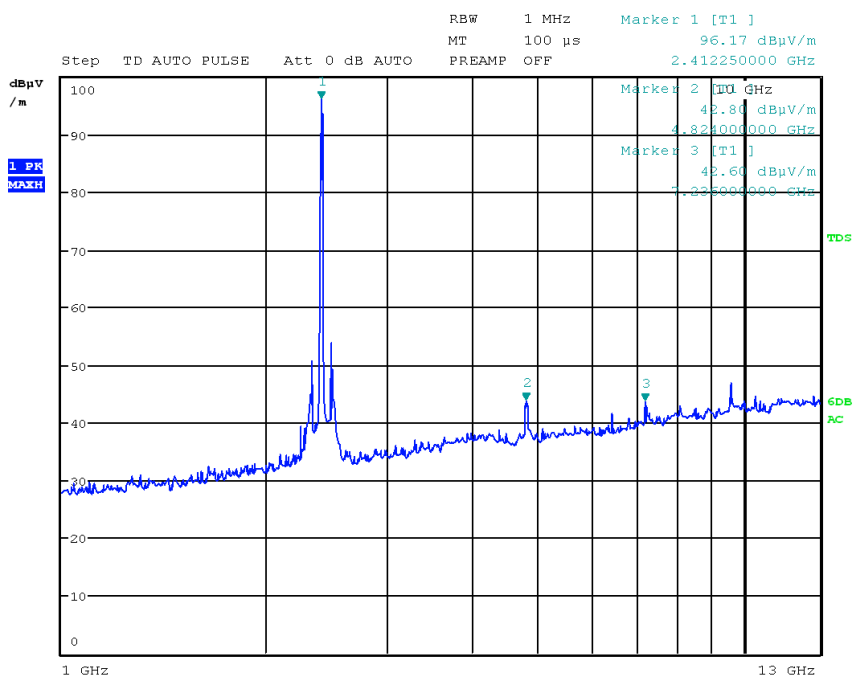
Seite 66 von 80  
Page 66 of 80

| Absatz<br>Clause | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|

### Test results of Radiated Emissions in Restricted Frequency Bands



Mode: 802.11b, TX Frequency 2412MHz\_Vertical



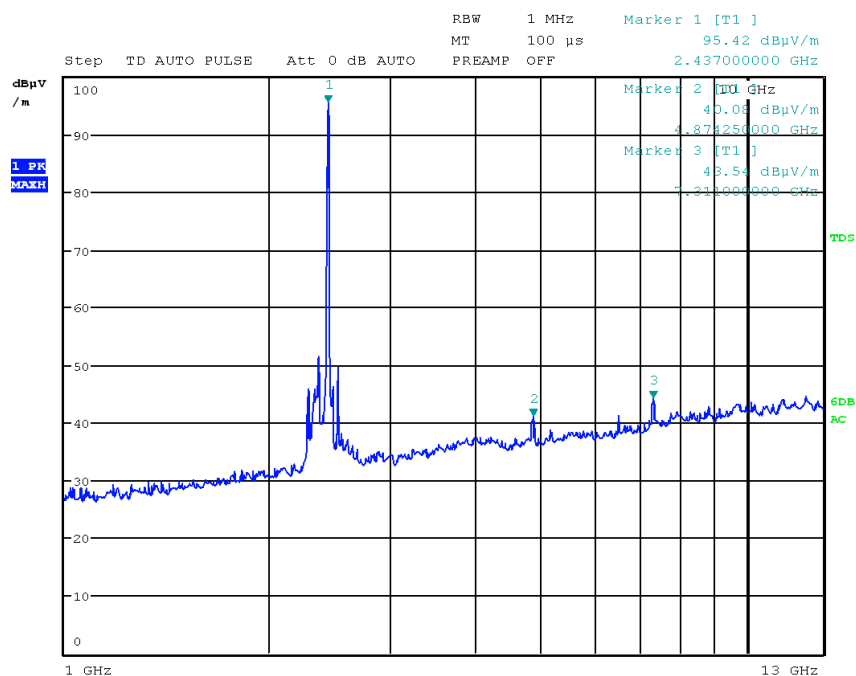
Mode: 802.11b, TX Frequency 2412MHz\_Horizontal

Prüfbericht-Nr.:  
Test report no.:

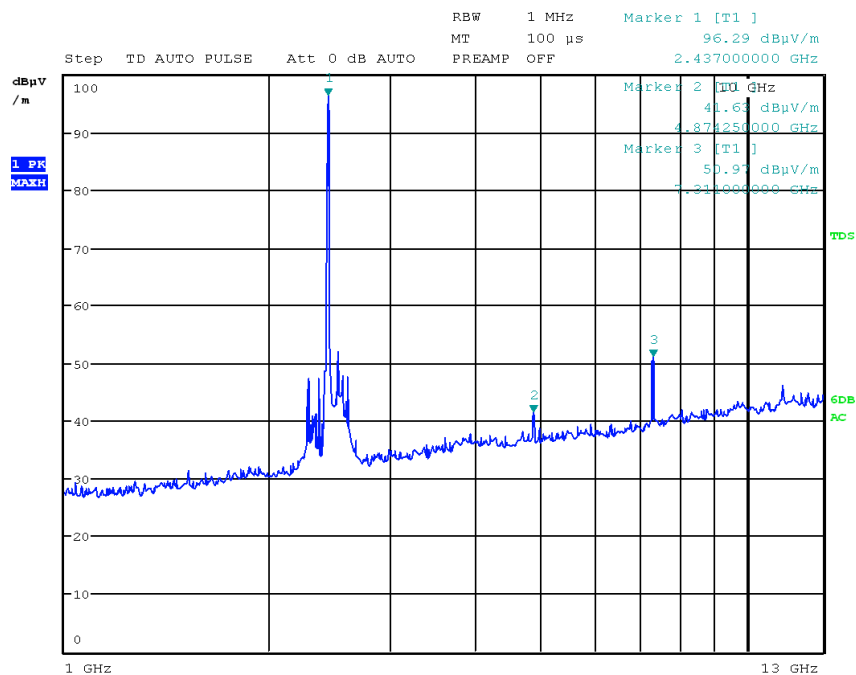
CN26PQPC 001

Seite 67 von 80  
Page 67 of 80

| Absatz<br>Clause | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|



Mode: 802.11b, TX Frequency 2437MHz\_Verical



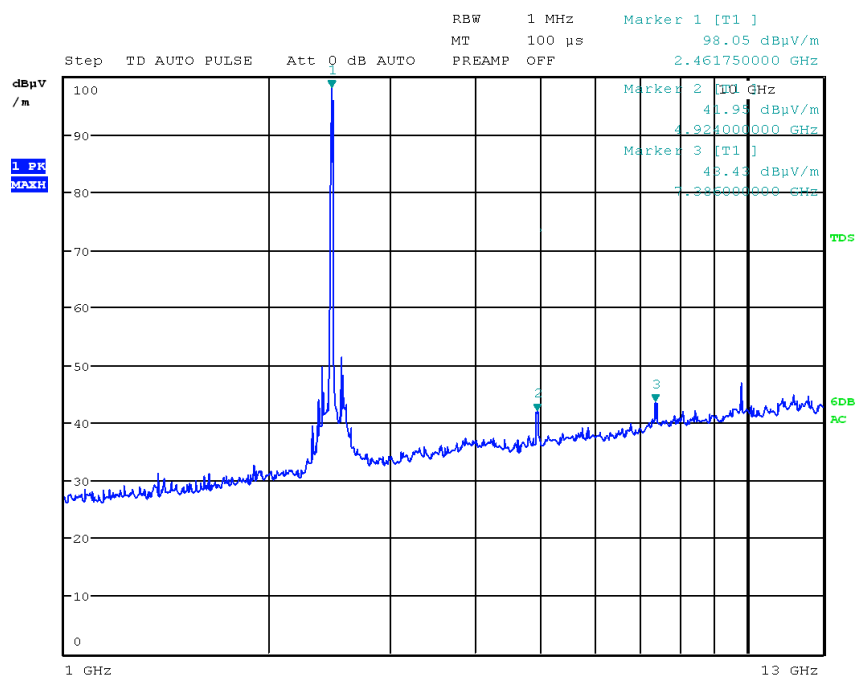
Mode: 802.11b, TX Frequency 2437MHz\_Horizontal

Prüfbericht-Nr.:  
Test report no.:

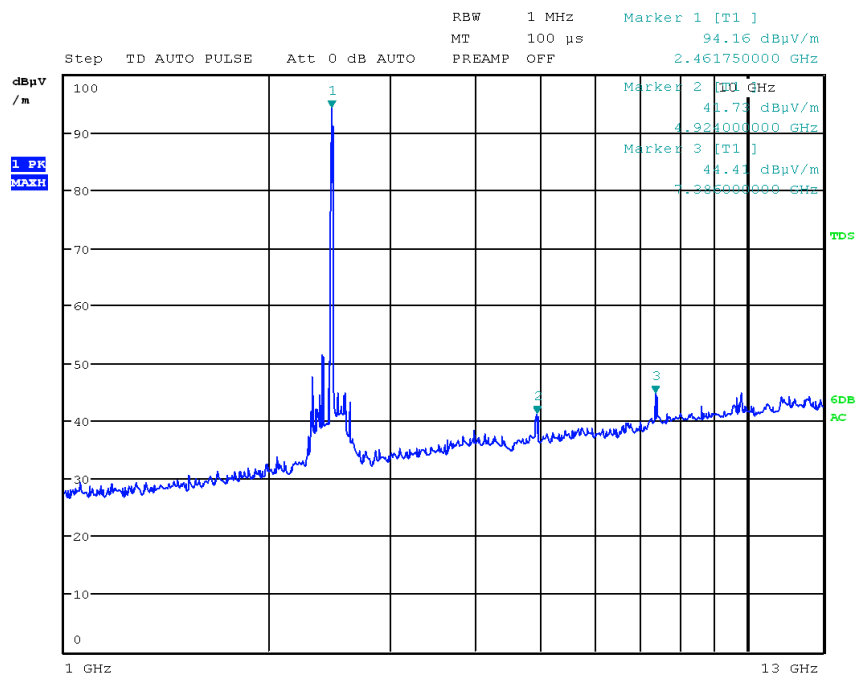
CN26PQPC 001

Seite 68 von 80  
Page 68 of 80

| Absatz<br>Clause | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|
|------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|



Mode: 802.11b, TX Frequency 2462MHz\_Veritical



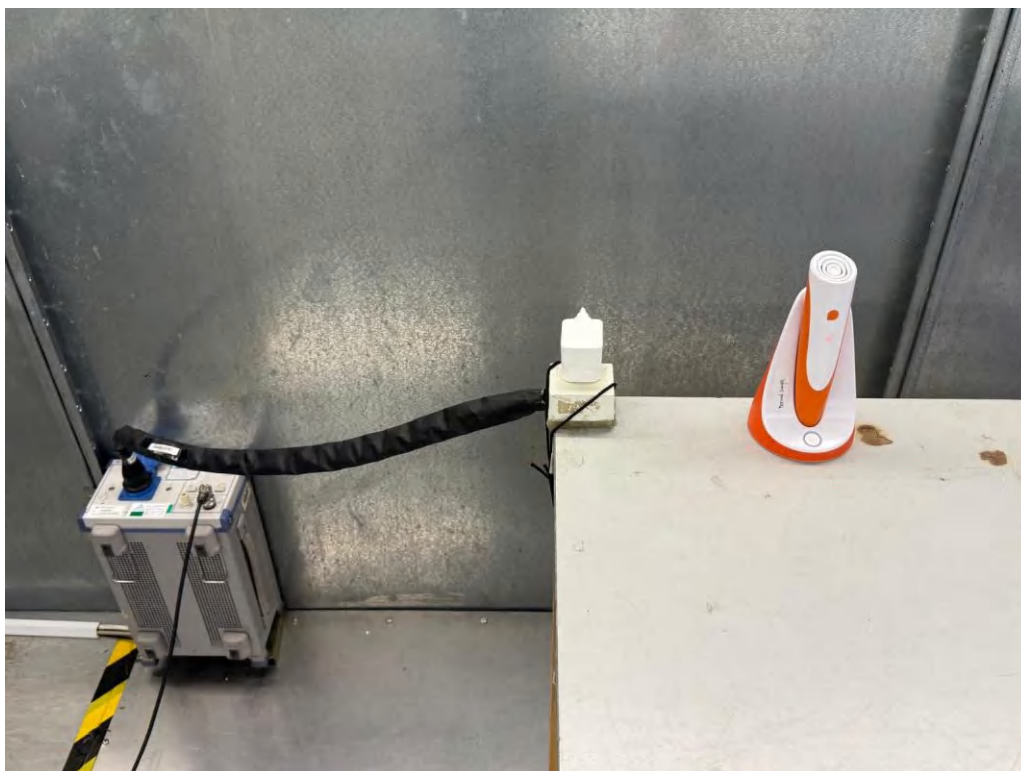
Mode: 802.11b, TX Frequency 2462MHz\_Horizontal

|                                                    |                                                                   |                                                                            |                                  |                                         |
|----------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|-----------------------------------------|
| <b>Prüfbericht-Nr.:</b><br><i>Test report no.:</i> |                                                                   | <b>CN26QPC 001</b>                                                         |                                  | Seite 69 von 80<br><i>Page 69 of 80</i> |
| <b>Absatz</b><br><i>Clause</i>                     | <b>Anforderungen - Prüfungen /</b><br><i>Requirements - Tests</i> | <b>Messergebnisse – Bemerkungen/</b><br><i>Measuring results - Remarks</i> | <b>Ergebnis</b><br><i>Result</i> |                                         |

## Appendix 2

### Test Setup Photos

|                                                    |                                                                   |                                                                            |                                  |                                  |
|----------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|----------------------------------|
| <b>Prüfbericht-Nr.:</b><br><i>Test report no.:</i> |                                                                   | <b>CN26PQPC 001</b>                                                        |                                  | Seite 70 von 80<br>Page 70 of 80 |
| <b>Absatz</b><br><i>Clause</i>                     | <b>Anforderungen - Prüfungen /</b><br><i>Requirements - Tests</i> | <b>Messergebnisse – Bemerkungen/</b><br><i>Measuring results - Remarks</i> | <b>Ergebnis</b><br><i>Result</i> |                                  |



Set-up for Conducted Emission on AC Mains

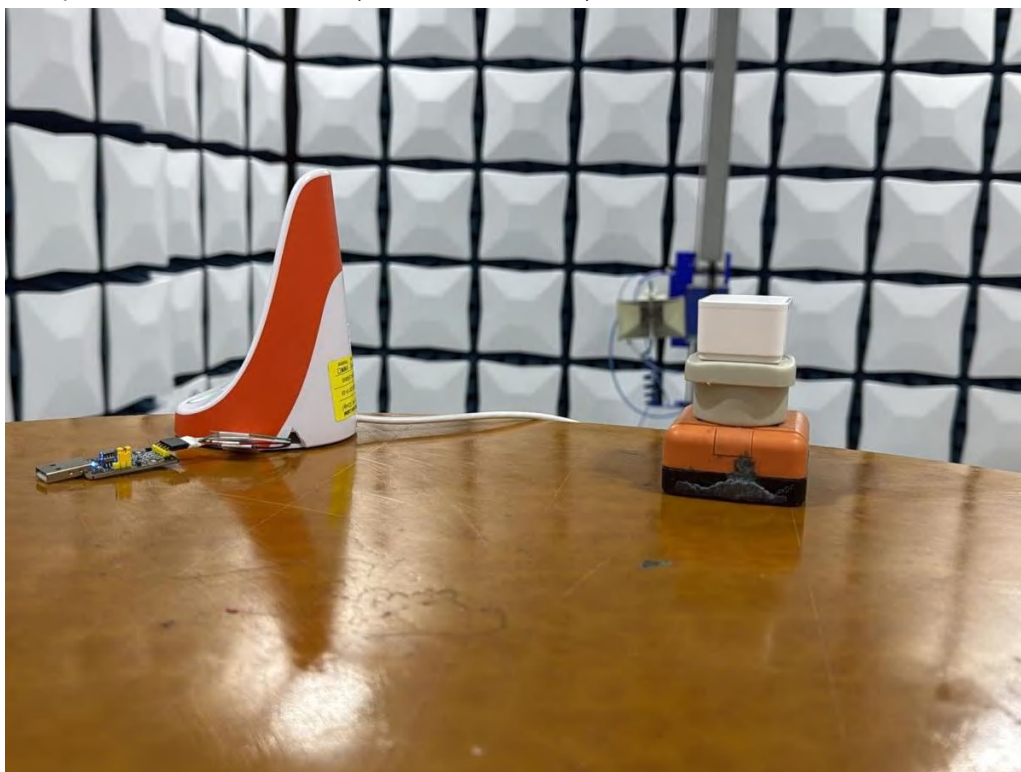


Set-up for Radiated Emission (30MHz-200MHz)

|                                      |                                                     |                                                              |                    |                                  |
|--------------------------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|----------------------------------|
| Prüfbericht-Nr.:<br>Test report no.: |                                                     | CN26PQPC 001                                                 |                    | Seite 71 von 80<br>Page 71 of 80 |
| Absatz<br>Clause                     | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |                                  |



Set-up for Radiated Emission (200MHz-1000MHz)



Set-up for Radiated Emission (1GHz above)

|                                                    |                                                                   |                                                                            |                                  |                                  |
|----------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|----------------------------------|
| <b>Prüfbericht-Nr.:</b><br><i>Test report no.:</i> |                                                                   | <b>CN26PQPC 001</b>                                                        |                                  | Seite 72 von 80<br>Page 72 of 80 |
| <b>Absatz</b><br><i>Clause</i>                     | <b>Anforderungen - Prüfungen /</b><br><i>Requirements - Tests</i> | <b>Messergebnisse – Bemerkungen/</b><br><i>Measuring results - Remarks</i> | <b>Ergebnis</b><br><i>Result</i> |                                  |

## Appendix 3

### EUT External Photos

FCC ID: 2A2XI111

|                                      |                                                     |                                                              |                                  |
|--------------------------------------|-----------------------------------------------------|--------------------------------------------------------------|----------------------------------|
| Prüfbericht-Nr.:<br>Test report no.: |                                                     | CN26PQPC 001                                                 | Seite 73 von 80<br>Page 73 of 80 |
| Absatz<br>Clause                     | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result               |



External View



External View

|                                      |                                                     |                                                              |                    |                                  |
|--------------------------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|----------------------------------|
| Prüfbericht-Nr.:<br>Test report no.: |                                                     | CN26PQPC 001                                                 |                    | Seite 74 von 80<br>Page 74 of 80 |
| Absatz<br>Clause                     | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |                                  |



External View



External View

|                                      |                                                     |                                                              |                    |                                  |
|--------------------------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|----------------------------------|
| Prüfbericht-Nr.:<br>Test report no.: |                                                     | CN26PQPC 001                                                 |                    | Seite 75 von 80<br>Page 75 of 80 |
| Absatz<br>Clause                     | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |                                  |



External View



External View

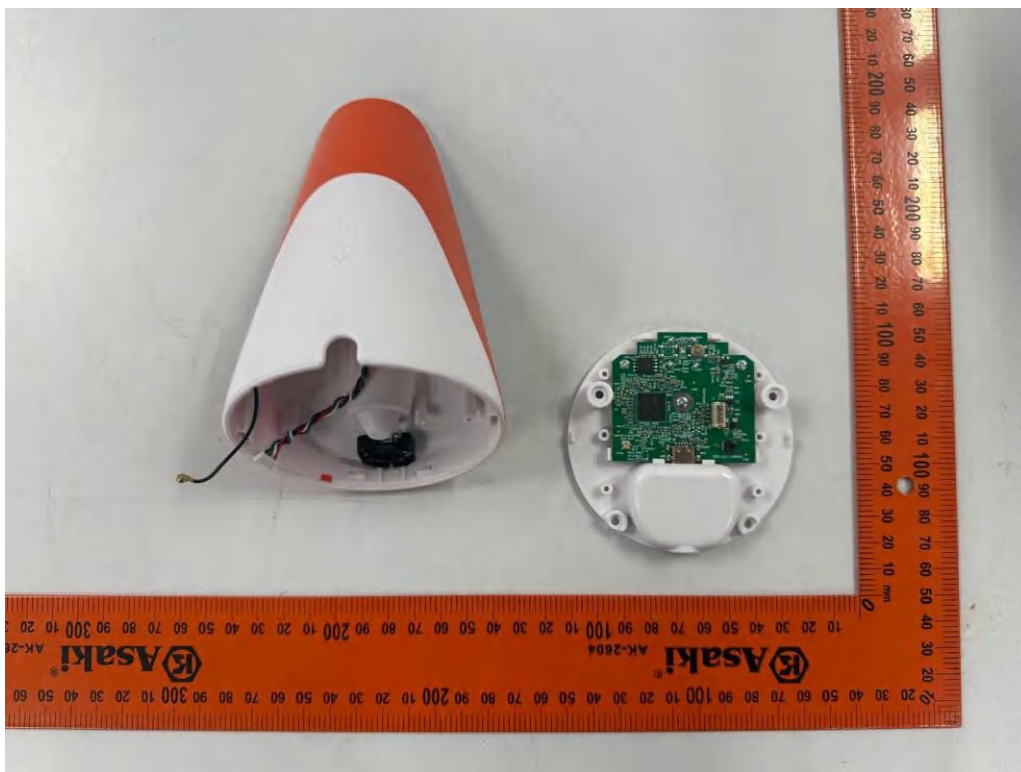
|                                                    |                                                                   |                                                                            |                                  |                                         |
|----------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|-----------------------------------------|
| <b>Prüfbericht-Nr.:</b><br><i>Test report no.:</i> |                                                                   | <b>CN26PQPC 001</b>                                                        |                                  | Seite 76 von 80<br><i>Page 76 of 80</i> |
| <b>Absatz</b><br><i>Clause</i>                     | <b>Anforderungen - Prüfungen /</b><br><i>Requirements - Tests</i> | <b>Messergebnisse – Bemerkungen/</b><br><i>Measuring results - Remarks</i> | <b>Ergebnis</b><br><i>Result</i> |                                         |

## Appendix 4

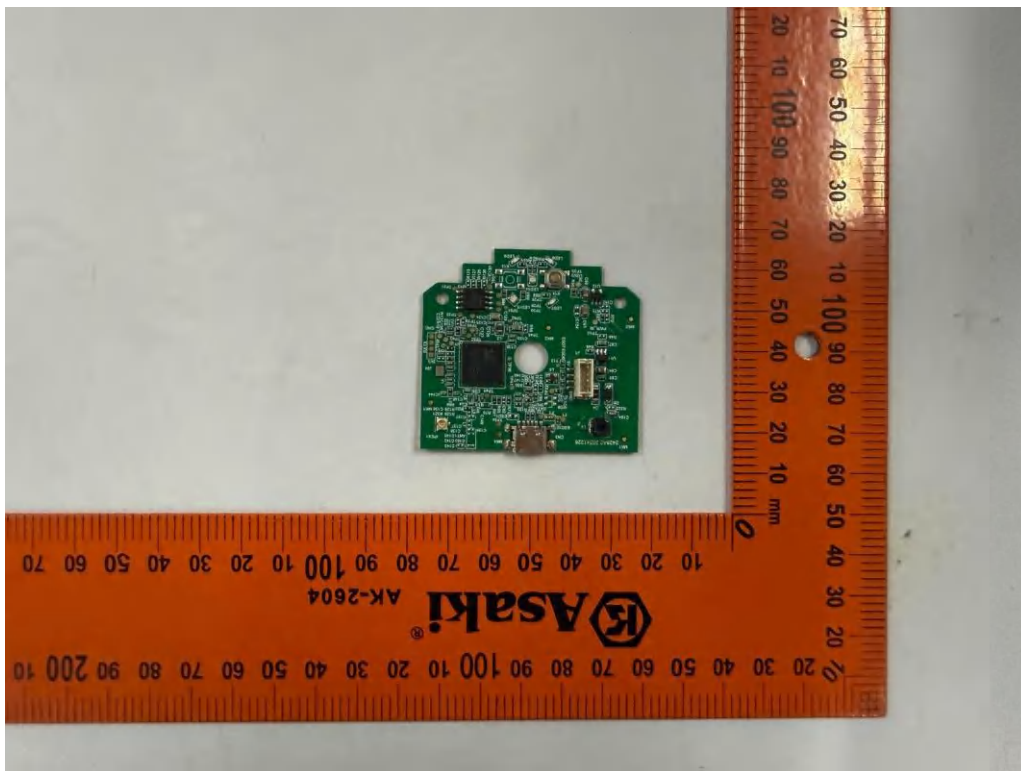
### EUT Internal Photos

FCC ID: 2A2XI111

|                                      |                                                     |                                                              |                    |                                  |
|--------------------------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|----------------------------------|
| Prüfbericht-Nr.:<br>Test report no.: |                                                     | CN26PQPC 001                                                 |                    | Seite 77 von 80<br>Page 77 of 80 |
| Absatz<br>Clause                     | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |                                  |

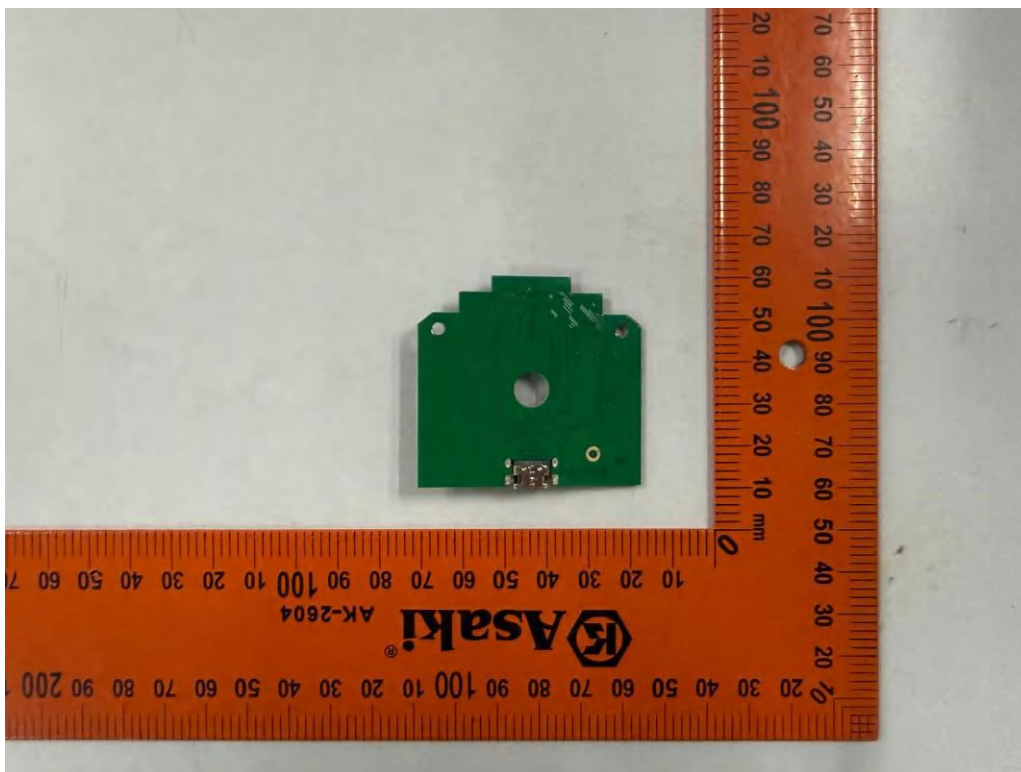


Internal View



Internal View

|                                      |                                                     |                                                              |                    |                                  |
|--------------------------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|----------------------------------|
| Prüfbericht-Nr.:<br>Test report no.: |                                                     | CN26PQPC 001                                                 |                    | Seite 78 von 80<br>Page 78 of 80 |
| Absatz<br>Clause                     | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |                                  |



Internal View



Internal View

|                                                    |                                                                   |                                                                            |                                  |                                         |
|----------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|-----------------------------------------|
| <b>Prüfbericht-Nr.:</b><br><i>Test report no.:</i> |                                                                   | <b>CN26QPC 001</b>                                                         |                                  | Seite 79 von 80<br><i>Page 79 of 80</i> |
| <b>Absatz</b><br><i>Clause</i>                     | <b>Anforderungen - Prüfungen /</b><br><i>Requirements - Tests</i> | <b>Messergebnisse – Bemerkungen/</b><br><i>Measuring results - Remarks</i> | <b>Ergebnis</b><br><i>Result</i> |                                         |

## Appendix 5

### RF Exposure Information

FCC ID: 2A2XI111

|                                      |                                                     |                                                              |                    |                                  |
|--------------------------------------|-----------------------------------------------------|--------------------------------------------------------------|--------------------|----------------------------------|
| Prüfbericht-Nr.:<br>Test report no.: |                                                     | CN26PQPC 001                                                 |                    | Seite 80 von 80<br>Page 80 of 80 |
| Absatz<br>Clause                     | Anforderungen - Prüfungen /<br>Requirements - Tests | Messergebnisse – Bemerkungen/<br>Measuring results - Remarks | Ergebnis<br>Result |                                  |

This device is mobile device, and the applicant declares that the minimum separation distance is greater than 20cm, detail minimum distance refer to below calculation table. Therefore MPE measurement or computational modeling should be used to determine compliance.

#### Maximum Transmitter Power

| Frequency<br>(MHz) | Maximum average<br>output power<br>(dBm) | Antenna gain<br>(dBi) | EIRP<br>(mW) | Min. Distance<br>(cm) |
|--------------------|------------------------------------------|-----------------------|--------------|-----------------------|
| 2422               | 20.20                                    | 1.6                   | 151.356      | 20                    |
| 2437               | 20.47                                    | 1.6                   | 161.065      | 20                    |
| 2462               | 20.20                                    | 1.6                   | 151.356      | 20                    |

Note: The maximum peak field strength was taken from table of "Subclause 15.247(b)(3) – Maximum Peak Conducted Output Power".

#### For FCC

According to KDB 447498 D04:

Per § 1.1307(b)(3)(i)(A), a single RF source is exempt RF device (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption applies to all operating configurations and exposure conditions, for the frequency range 100 kHz to 100 GHz, regardless of fixed, mobile, or portable device exposure conditions. This is a standalone exemption, and it cannot be applied in conjunction with any other test exemption.

The power density according to far-field model is:

$$S = \frac{P \times G_{(\theta, \phi)}}{4 \times \pi \times R^2}$$

Where:

P = input power of the antenna.

G = antenna gain relative to an isotropic antenna.

$\theta, \phi$  = elevation and azimuth angles.

R = distance from the antenna to the point of investigation.

#### Result:

$$151.356 / (4\pi \times 20^2) = 0.030 < 1.0$$

$$161.065 / (4\pi \times 20^2) = 0.032 < 1.0$$

$$151.356 / (4\pi \times 20^2) = 0.030 < 1.0$$

**Conclusion:** No SAR is required.