

|                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                            |                                                            |                                                                     |                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Prüfbericht-Nr.:</b><br>Test report no.:                                                                                                                                                                                                                                                                                                                                                                                                  | <b>IN258K1F 001</b>                                                                                                                                                                                        | <b>Auftrags-Nr.:</b><br>Order no.:                         | 146976468 010                                                       | Seite 1 von 107<br>Page 1 of 107                                                      |
| <b>Kunden-Referenz-Nr.:</b><br>Client reference no.:                                                                                                                                                                                                                                                                                                                                                                                         | 2384903                                                                                                                                                                                                    | <b>Auftragsdatum:</b><br>Order date:                       | 2024-10-22                                                          |                                                                                       |
| <b>Auftraggeber:</b><br>Client:                                                                                                                                                                                                                                                                                                                                                                                                              | Devic Earth Private Limited<br>Villa 7, Ground Floor Parkway Tivoli Apartment.<br>Kadugodi Main Road.Seegehalli Whitefield Bangalore,560067.                                                               |                                                            |                                                                     |                                                                                       |
| <b>Prüfgegenstand:</b><br>Test item:                                                                                                                                                                                                                                                                                                                                                                                                         | Air Pollution Control Equipment                                                                                                                                                                            |                                                            |                                                                     |                                                                                       |
| <b>Bezeichnung:</b><br>Identification .:                                                                                                                                                                                                                                                                                                                                                                                                     | Transmitter PSDEACE                                                                                                                                                                                        |                                                            |                                                                     |                                                                                       |
| <b>Auftrags-Inhalt:</b><br>Order content:                                                                                                                                                                                                                                                                                                                                                                                                    | Testing and issue of Test Report with Grant Certificate                                                                                                                                                    |                                                            |                                                                     |                                                                                       |
| <b>Prüfgrundlage:</b><br>Test specification:                                                                                                                                                                                                                                                                                                                                                                                                 | CFR 47 FCC Part 24 Subpart E, FCC Part15 SubpartC 15.207<br>RSS Gen Issue 5, RSS-133 Issue 7                                                                                                               |                                                            |                                                                     |                                                                                       |
| <b>Wareneingangsdatum:</b><br>Date of sample receipt:                                                                                                                                                                                                                                                                                                                                                                                        | 2024-11-04                                                                                                                                                                                                 |                                                            |                                                                     |                                                                                       |
| <b>Prüfmuster-Nr &amp; Serien-Nr.:</b><br>Test sample no & serial no.:                                                                                                                                                                                                                                                                                                                                                                       | A003846786-002<br>0036                                                                                                                                                                                     |                                                            |                                                                     |                                                                                       |
| <b>Prüfzeitraum:</b><br>Testing period:                                                                                                                                                                                                                                                                                                                                                                                                      | 2024-11-04 - 2024-11-20                                                                                                                                                                                    |                                                            |                                                                     |                                                                                       |
| <b>Ort der Prüfung:</b><br>Place of testing:                                                                                                                                                                                                                                                                                                                                                                                                 | Wireless laboratory, Bangalore                                                                                                                                                                             |                                                            |                                                                     |                                                                                       |
| <b>Prüflaboratorium:</b><br>Testing laboratory:                                                                                                                                                                                                                                                                                                                                                                                              | TÜV Rheinland (India)<br>Pvt.Ltd., 27/B, 2nd Cross,<br>Electronic City Phase1<br>Bangalore -560 100, India<br>FCC Test site registration<br>number: 496599<br>ISED Test site registration<br>number: 27711 |                                                            |                                                                     |                                                                                       |
| <b>Prüfergebnis*:</b><br>Test result*:                                                                                                                                                                                                                                                                                                                                                                                                       | Pass                                                                                                                                                                                                       |                                                            |                                                                     |                                                                                       |
| <b>geprüft von:</b>                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>genehmigt von:</b><br>authorized by:                                                                                                                                                                    |                                                            |                                                                     |                                                                                       |
| <b>Datum:</b><br>Date: 2025-01-17                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |                                                            | <b>Ausstellatum:</b><br>Issue date: 2025-01-17                      |  |
| <b>Stellung / Position:</b>                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>M.V.Naveen Kumar</b><br>Senior Engineer                                                                                                                                                                 | <b>Stellung / Position:</b>                                | <b>Madhu K.N</b><br>Assistant Manager                               |                                                                                       |
| <b>Sonstiges / Other:</b>                                                                                                                                                                                                                                                                                                                                                                                                                    | FCC ID: 2BL5B-PSDEACE<br>IC: 33453-PSDEACE<br>HVIN: Transmitter PSDEACE                                                                                                                                    |                                                            |                                                                     |                                                                                       |
| <b>Zustand des Prüfgegenstandes bei Anlieferung:</b><br>Condition of the test item at delivery:                                                                                                                                                                                                                                                                                                                                              | <b>Prüfmuster vollständig und unbeschädigt</b><br>Test item complete and undamaged                                                                                                                         |                                                            |                                                                     |                                                                                       |
| * Legende:                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1 = sehr gut<br>P(ass) = entspricht o.g. Prüfgrundlage(n)                                                                                                                                                  | 2 = gut<br>F(ail) = entspricht nicht o.g. Prüfgrundlage(n) | 3 = befriedigend<br>F(ail) = entspricht nicht o.g. Prüfgrundlage(n) | 4 = ausreichend<br>N/A = nicht anwendbar                                              |
| * Legend:                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1 = very good<br>P(ass) = passed a.m. test specification(s)                                                                                                                                                | 2 = good<br>F(ail) = failed a.m. test specification(s)     | 3 = satisfactory<br>F(ail) = failed a.m. test specification(s)      | 4 = sufficient<br>N/A = not applicable                                                |
| 5 = mangelhaft<br>N/T = nicht getestet                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                            |                                                            |                                                                     |                                                                                       |
| 5 = poor<br>N/T = not tested                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                            |                                                            |                                                                     |                                                                                       |
| 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.<br>This test report only relates to the a. m. 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. |                                                                                                                                                                                                            |                                                            |                                                                     |                                                                                       |

**Prüfbericht - Nr.:**

Test Report No.:

**IN258K1F 001**

Seite 2 von 107

Page 2 of 107

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.</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.</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 in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, 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.</p> <p><i>The decision rule for statements of conformity in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, 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.</i></p>                                                                                                                                                                                                             |

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 3 von 107  
Page 3 of 107

## TEST SUMMARY

| Test Item                                                                   | FCC Clause                   | ISED Clause                    | Results |
|-----------------------------------------------------------------------------|------------------------------|--------------------------------|---------|
| Conducted Output Average Power and Peak to Average Power ratio              | §2.1046<br>§24.232 (c) & (d) | RSS-133, §5.5                  | Pass    |
| Equivalent Isotropic Radiated Power (EIRP) / Effective Radiated Power (ERP) | §2.1046<br>§24.232 (c) & (d) | RSS-Gen, §6.12;                | Pass    |
| Field strength of spurious radiation                                        | §2.1053<br>§24.238           | RSS-133, §5.6                  | Pass    |
| Frequency Stability                                                         | §2.1055<br>§24.235           | RSS-Gen, §6.13;                | N/T     |
| Emission Bandwidth and Occupied Bandwidth                                   | §2.1049                      | RSS-Gen, §6.7                  | N/T     |
| Band Edge                                                                   | §2.1051<br>§24.238           | RSS-Gen, §6.6                  | N/T     |
| Spurious emissions at antenna terminals                                     | §2.1051<br>§24.238           | RSS-Gen, §6.13                 | N/T     |
| AC Powerlines Conducted emission                                            | §FCC 15.207                  | RSS Gen Issue 5<br>Section 8.8 | Pass    |

### Note:

N/T: Not Tested since Air Pollution Control Equipment product uses certified RF modules Product Name: **LTE/GNSS MODULE** with **FCC ID: 2AJYU-8PYA007**, & **IC: 23761-8PYA008** Hence the above mentioned test cases are excluded and which can be found in the module test report of respective FCC ID & IC.

| Product | Applicant                         | FCC ID        | IC            | Report No     | IC Report No  | Issued By                            | FCC Grant Date | ISED Grant Date |
|---------|-----------------------------------|---------------|---------------|---------------|---------------|--------------------------------------|----------------|-----------------|
| SIMCom  | SIMCom Wireless Solutions Limited | 2AJYU-8PYA007 | 23761-8PYA008 | STS2006043W01 | STS2006043W02 | Shenzhen STS Test Services Co., Ltd. | 14-08-2020     | 02-09-2020      |

Product Category: Electronics Testing  
Test Discipline: EMC Test Facility

**Prüfbericht - Nr.:**  
*Test Report No.:*

**IN258K1F 001**

Seite 4 von 107  
Page 4 of 107

## REVISION HISTORY OF THIS REPORT

| Report Number | Version | Description             | Issue date |
|---------------|---------|-------------------------|------------|
| IN258K1F 001  | 01      | Initial issue of report | 2025-01-17 |

## Table of Contents

|       |                                                          |     |
|-------|----------------------------------------------------------|-----|
| 1     | GENERAL REMARKS .....                                    | 6   |
| 1.1   | Attachments .....                                        | 6   |
| 2     | TEST SITES .....                                         | 7   |
| 2.1   | Testing Facilities .....                                 | 7   |
| 2.2   | List of Test and Measurement Instruments.....            | 7   |
| 3     | GENERAL PRODUCT INFORMATION.....                         | 8   |
| 3.1   | Product Function and Intended Use .....                  | 8   |
| 3.2   | Ratings and System Details of Equipment under Test ..... | 8   |
| 3.3   | Measurement Uncertainty .....                            | 9   |
| 4     | TEST SET-UP AND OPERATION MODE.....                      | 10  |
| 4.1   | Principle of Configuration Selection .....               | 10  |
| 4.2   | UUT Operation and Software.....                          | 10  |
| 4.3   | Special Accessories and Auxiliary Equipment .....        | 10  |
| 4.4   | Countermeasures to achieve EMC Compliance .....          | 10  |
| 4.5   | List of frequencies .....                                | 10  |
| 4.6   | Report references .....                                  | 11  |
| 5     | Operational Description of the product .....             | 12  |
| 6     | TEST METHODOLOGY .....                                   | 13  |
| 6.1   | AC Powerlines Conducted emission.....                    | 13  |
| 6.1.1 | Test Setup Configuration.....                            | 13  |
| 6.2   | Radiated Emission Test .....                             | 14  |
| 6.2.1 | Test Setup Configuration.....                            | 14  |
| 7     | TEST RESULTS .....                                       | 18  |
| 7.1   | PEAK – Average Ratio.....                                | 18  |
| 7.2   | EFFECTIVE (ISOTROPIC) RADIATED POWER .....               | 33  |
| 7.3   | Field Strength of Spurious Radiation .....               | 48  |
| 8     | AC Power Lines Conducted emission. ....                  | 104 |
| 9     | LIST OF TABLES.....                                      | 107 |
| 10    | LIST OF FIGURES.....                                     | 107 |

**Prüfbericht - Nr.:**

*Test Report No.:*

**IN258K1F 001**

Seite 6 von 107

Page 6 of 107

# 1 GENERAL REMARKS

## 1.1 Attachments

All attachments are part of this test report and are issued in separate document

**1:** TEST SETUP PHOTOS

**2:** EUT EXTERNAL PHOTOS

**3:** EUT INTERNAL PHOTOS

**4:** FCC LABEL AND LABEL LOCATION

**5:** BLOCK DIAGRAM

**6:** SPECIFICATION OF EUT

**7:** SCHEMATIC DIAGRAM

**8:** BILL OF MATERIAL

**9:** USER MANUAL

**10:** MAXIMUM PERMISSIBLE EXPOSURE INFORMATION

## 2 TEST SITES

### 2.1 Testing Facilities

1. TÜV Rheinland (India) Pvt.Ltd.,  
27/B, 2nd Cross,  
Electronic city Phase1  
Bangalore – 560 100,  
India
2. TUV Rheinland (India) Private Limited  
108 , Beside ISBR Business School,  
Electronic city Phase I  
Bangalore - 560 100.  
India

### 2.2 List of Test and Measurement Instruments

**Table 1: List of test and measurement instruments**

| Equipment                    | Manufacturer                | Model Name           | Serial Number | Firmware Versions | Calibration Due Date | Periodicity | Test Facility              |
|------------------------------|-----------------------------|----------------------|---------------|-------------------|----------------------|-------------|----------------------------|
| EMI Receiver                 | Rohde & Schwarz             | ESW 44               | 101773        | 1.72 SP5          | 26.01.2025           | Yearly      | Radiated Spurious Emission |
| Horn Antenna                 | Schwarzbeck                 | BBHA 9120 D          | 2117          | -                 | 26.01.2025           | Yearly      |                            |
| Baloon and Biconical Antenna | Schwarzbeck mess-elektronik | VHBB-9124 / BBA-9106 | 01028         | -                 | 08.02.2025           | Yearly      |                            |
| Log-Periodic Antenna         | Schwarzbeck mess-elektronik | VUSLP-9111B          | 9111B-111     | -                 | 03.02.2025           | Yearly      |                            |
| Active loop antenna          | Frankonia                   | LAX-10               | LAX-10-800    | -                 | 23-03-2025           | Yearly      |                            |
| Fully Anechoic Chamber       | Albatross                   | -                    | -             | -                 | -                    | -           |                            |
| EMI Receiver                 | Rohde & Schwarz             | ESW 44               | 103384        | 4.73 SP5          | 10.05.2025           | Yearly      | Antenna – Port Conducted   |
| 10dB Attenuator              | H+S Electronics Pvt. Ltd    | 6810.17.A            | 770041        | -                 | 08-03-2025           | Yearly      |                            |
| Radio Communication tester   | Rohde & Schwarz             | CMW 500              | 1201.0002K50  | -                 | 29.11.2025           | Yearly      |                            |
| EMI Receiver                 | Rohde & Schwarz             | ESR7                 | 101133        | 3.48 SP3          | 16.09.2025           | Yearly      | AC Powerlines Test Case    |
| Two Line V-Network (LISN)    | Rohde & Schwarz             | ENV 216              | 100022        | -                 | 15-04-2025           | Yearly      |                            |
| Pulse Limiter                | Rohde & Schwarz             | ESH3-Z2              | 100811        | -                 | 08-07-2025           | Yearly      |                            |

**Table 2: Instrument application Software versions**

| SL. No. | Test Type                                     | Application software | Version      |
|---------|-----------------------------------------------|----------------------|--------------|
| 1       | Radiated spurious emission measurement in SAC | BATEMC               | V2022.0.11.0 |
| 2       | Radiated spurious emission measurement in FAC | EMC 32               | 10.60.20     |

## 3 GENERAL PRODUCT INFORMATION

### 3.1 Product Function and Intended Use

PURE SKIES IS AN ADVANCED AIR-CLEANING TECHNOLOGY THAT REDUCES PM2.5 AND PM10 PARTICULATE MATTER CONCENTRATIONS OVER A LARGE AREA IN AMBIENT CONDITIONS. IT IS ESPECIALLY SUITED FOR CITIES, HEAVY INDUSTRIES, POWER PLANTS, MINES, AIRPORTS, AND PORTS.

### 3.2 Ratings and System Details of Equipment under Test

Table 3: Ratings and System Details as declared by Supplier\*

| Radio Protocol                    |           | LTE; WCDMA; GSM                              |                       |                                      |                    |             |
|-----------------------------------|-----------|----------------------------------------------|-----------------------|--------------------------------------|--------------------|-------------|
| LTE E-UTRA operating bands        |           | Band                                         | Bandwidth (MHz)       | UL Frequency (MHz)                   | DL Frequency (MHz) | Modulation  |
|                                   |           | 2                                            | 1.4, 3, 5, 10, 15, 20 | 1850.7 - 1909.3                      | 1930.7- 1989.3     | QPSK, 16QAM |
|                                   |           | 25                                           | 1.4, 3, 5, 10, 15, 20 | 1850 – 1915                          | 1930.0 - 1995      | QPSK, 16QAM |
| WCDMA                             |           | 4                                            | -                     | 1850 – 1910                          | 1930- 1990         | QPSK        |
| GSM                               |           | 1900 MHz                                     | -                     | 1850-1910                            | 1930 - 1990        | 8PSK        |
| Transmitted Power for LTE (dBm)   |           | Band                                         | Power Class           | Max. Conducted Average. Output Power |                    |             |
|                                   |           | 2                                            | Power Class 3:23dBm   | 23.33dBm@CB20MHz, QPSK_High Channel  |                    |             |
|                                   |           | 25                                           | Power Class 3:23dBm   | 23.27dBm@CB20MHz, 16QAM_High Channel |                    |             |
| Transmitted Power for WCDMA (dBm) |           | 2                                            | Power class 3:24dBm   | 23.86dBm@Low Channel                 |                    |             |
| Transmitted Power for GSM (dBm)   |           | GSM 1900                                     | Power class 5:33dBm   | 30.53dBm@GPRS1900MHz_Low Channel     |                    |             |
| Antenna Type                      |           | Main Antenna(Dipole Antenna)                 |                       |                                      |                    |             |
| Number of Antenna                 |           | Main Antenna-1                               |                       |                                      |                    |             |
| Antenna Gain                      |           | Refer Table 4                                |                       |                                      |                    |             |
| Supply Voltage to Product         |           | 110VAC through mains                         |                       |                                      |                    |             |
| Environmental conditions          | Storage   | -20°C to 85° C 30% to 65% RH, non-condensing |                       |                                      |                    |             |
|                                   | Operating | 15°C to 50° C 30% to 65% RH, non-condensing  |                       |                                      |                    |             |
| EUT Dimension (H x W x D)         |           | 10.14 x 8.26 x 4 inch                        |                       |                                      |                    |             |

| Antenna Type               | Frequency Bands (MHz) | Antenna Gain (dBi) |
|----------------------------|-----------------------|--------------------|
| Primary Antenna (External) | Band 2                | 1.87               |
|                            | Band 4                | 3.12               |
|                            | Band 5                | 0.91               |
|                            | Band 12               | 0.95               |
|                            | Band 13               | 2.23               |
|                            | Band 25               | 1.87               |
|                            | Band 26               | 0.91               |
|                            | Band 41               | 2.90               |
|                            | Band 66               | 3.12               |

**Table 4: Antenna Gain**

**\*Disclaimer:**

The information/data is supplied by the client and the same is considered to arrive at the final value. Any changes made apart from the specified specification, can directly impact on the tests results. Refer the products user manual for more details.

### 3.3 Measurement Uncertainty

Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of  $k = 2$

**Table 5: Measurement Uncertainty**

| Parameter                         | Uncertainty                      |
|-----------------------------------|----------------------------------|
| Occupied Channel Bandwidth        | $\pm 5 \%$                       |
| RF output power, conducted        | $\pm 1.5 \text{ dB}$             |
| Power Spectral Density, conducted | $\pm 3 \text{ dB}$               |
| Unwanted Emissions, conducted     | $\pm 3 \text{ dB}$               |
| All emissions, radiated           | $\pm 6 \text{ dB}$               |
| Temperature                       | $\pm 3 \text{ }^{\circ}\text{C}$ |
| Supply Voltages                   | $\pm 3 \%$                       |
| Time                              | $\pm 5 \%$                       |

## 4 TEST SET-UP AND OPERATION MODE

### 4.1 Principle of Configuration Selection

Transmission was enabled with highest possible duty cycle on low, mid and high channels

### 4.2 UUT Operation and Software

| Sl.No | Board Name     | Hardware Name         | Hardware Version                      | Software Name | Software Version     |
|-------|----------------|-----------------------|---------------------------------------|---------------|----------------------|
| 1     | RF Board       | MPLAB                 | PIC KIT TM4<br>in-CIRCUIT<br>DEBUGGER | MPLAB X       | IDE v6.20            |
| 2     | Security Board | Arduino<br>Programmer | IDE 2.3.2                             | Arduino       | Arduino IDE<br>2.3.2 |

Hardware version & Identification Number(HVIN): Refer the Cover Page

### 4.3 Special Accessories and Auxiliary Equipment

- None

### 4.4 Countermeasures to achieve EMC Compliance

- None

### 4.5 List of frequencies

Table 6: List of Center frequencies

| Protocol | Band    | UL Frequency (MHz) | DL Frequency (MHz) |
|----------|---------|--------------------|--------------------|
| LTE      | 2       | 1850 - 1909.9      | 1930 - 1989.9      |
|          | 25      | 1850 - 1915        | 1930 - 1995        |
| WCDMA    | 2       | 1850 - 1910        | 1850 - 1910        |
| GSM      | 1900MHz | 1850 - 1910        | 1850 - 1910        |

**Note:**

TUV Sample Identification number: A003846786-002 – Radiated test Sample & Conducted test Sample

## 4.6 Report references

**Note:** Air Pollution Control Equipment has multiple protocols. All the supported wireless protocols and their respective test results are issued in separate test reports, following table lists the report numbers.

| Radio Protocol                                                                                               | Report Number       |
|--------------------------------------------------------------------------------------------------------------|---------------------|
| RF test report for FCC Part22 Subpart H & RSS Gen Issue 5, RSS 132 Issue 4                                   | IN25CSFD 001        |
| <b>RF test report for FCC Part24 Subpart E &amp; RSS Gen Issue 5, RSS-133 Issue 7</b>                        | <b>IN258K1F 001</b> |
| RF test report for FCC Part27 Subpart C & RSS Gen Issue 5, RSS 139 Issue 4, RSS 199 Issue 4, RSS 130 Issue 2 | IN258337 001        |
| RF test report for FCC Part90 Subpart S                                                                      | IN25DWD0 001        |
| RF Test report for FCC Part15 Subpart C & RSS 247 Issue 3, RSS Gen Issue 5                                   | IN25S64J 001        |

## 5 Operational Description of the product

THE PURE SKIES 2.0 SYSTEM INCLUDES BOTH A TRANSMITTER AND A RECEIVER UNIT. THE TRANSMITTER UNIT TRANSMITS PROPRIETARY ALGORITHM-BASED PULSED RADIO WAVES (2.4GHZ). THE RECEIVER UNIT HAS AN OMNIDIRECTIONAL ANTENNA TUNED TO THE ISM BAND (2.4GHZ) AND IT RECEIVES PULSED RADIO WAVES AND CREATES AN ELECTROMAGNETIC FIELD. THAT ACCELERATES THE CLEARANCE OF TARGET POLLUTANTS IN THE SURROUNDING AREA.

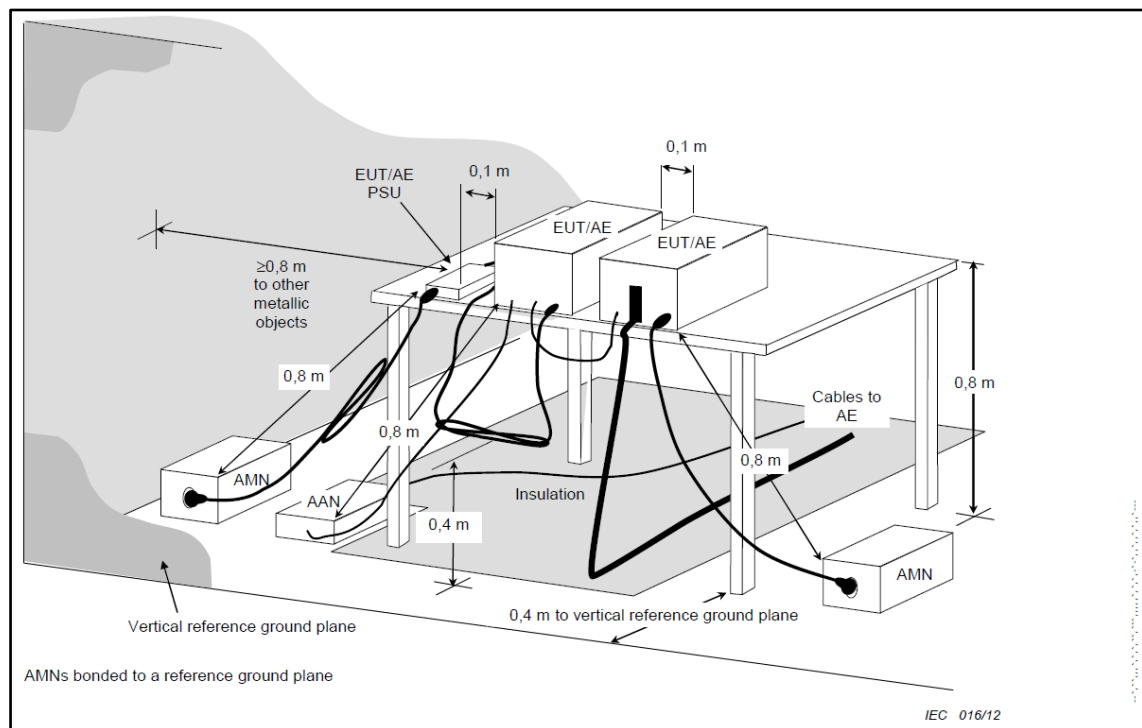
## 6 TEST METHODOLOGY

## 6.1 AC Powerlines Conducted emission.

Measured levels of ac powerline conducted emission across the 50Ω LISN port (to which the EUT is connected). All emission voltage and current measurements shall be made on each current-carrying conductor at the plug end of the EUT power cord by the use of mating plugs and receptacles on the LISN, if used. Equipment shall be tested with power cords that are normally supplied or recommended by the manufacturer and that have electrical and shielding characteristics that are the same as those cords normally supplied or recommended by the manufacturer.

The device is placed on the test table, raised 80cm above the reference ground plane. The vertical conducting plane is located 40cm to the rear of the device. AC Conducted emission measurement is made over frequency range from 150kHz to 30MHz, this measurement was performed with EUT powered by an AC adaptor with 110V AC 60Hz supply.

### 6.1.1 Test Setup Configuration



## 6.2 Radiated Emission Test

### Frequency Range 9 kHz - 30 MHz

#### Test performed as per ANSI C63.4-2014 section 8.3

The loop Antenna was placed at 1m above the ground plane & EUT is 3 meters far from the measuring antenna. With 3m measurement distance, correction data were applied to the measured results. The test arrangement, measuring antenna guidelines and operational configurations in 8.2.1 and 8.2.2, shall be followed. The measurement antenna shall be positioned with its plane perpendicular to the ground at the Specified distance, when perpendicular to the ground plane, the lowest height of the magnetic antenna shall be 1 m above the ground and shall be positioned at the specified distance from the EUT. EUT & its associates are placed on non-conducting table of 0.8m height which is placed on the turn table, For each measurement antenna alignment, the EUT shall be rotated through 0° to 360° on a turntable. The report shall list worst case emission results, for each of the parallel & perpendicular orientations.

#### 6.2.1 Test Setup Configuration

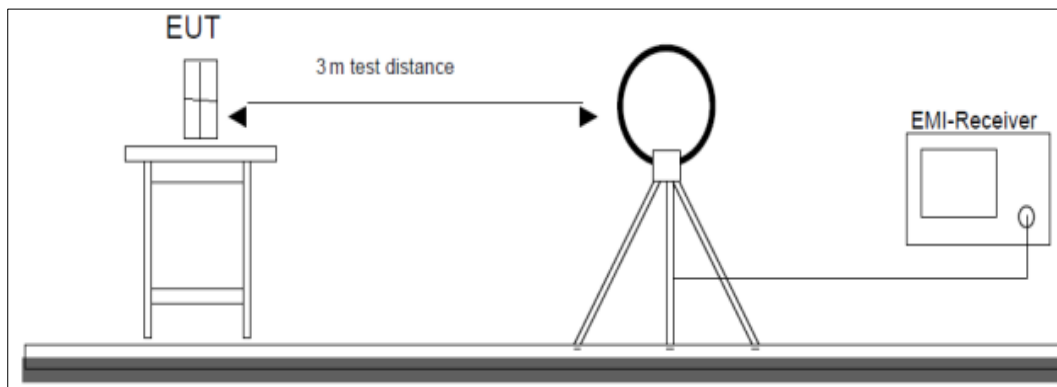


Figure 1: Frequency Range 9 kHz- 30 MHz

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 15 von 107  
Page 15 of 107

## Frequency Range 30MHz to 10<sup>th</sup> harmonics of the highest fundamental frequency

### Test performed as per ANSI C63.26-2015

Radiated spurious emission test are performed as below.

All the radiated emission measurements are performed in accordance with common requirement specified in 5.5.2 and Pre-test site path loss correction factors are used to adjust the EUT emission data in place of two step substitution method (as defined in Annex B of ANSI C63.26-2015).

The equipment under test is placed on non-conductive table at 3m away from the receive antenna in accordance with above mentioned standard. Turn table is rotated through 360 degree, and receiver antenna height is varied in order to determine the level of maximum emission. The maximum emission level and position of the maximized emission is recorded with use of spectrum analyzer.

### Using pre-test site path loss to determine EUT emission power:

- 1) EUT emission powers are calculated using the following equation:

$$\text{Emission Power} = \text{EUT}_{\text{Prec}} [\text{dBm EIRP/ ERP}] + \text{P}_L [\text{dB}]$$

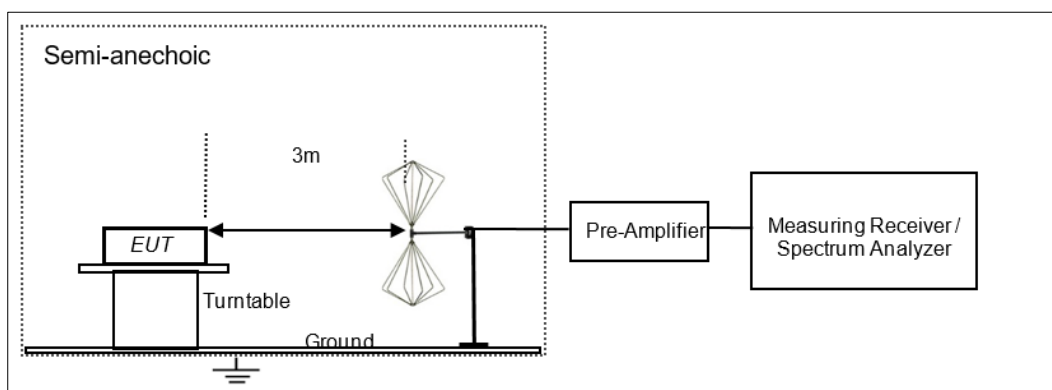
where

$\text{EUT}_{\text{Prec}}$  = power of the emission measured at the test receiver during EUT measurements.

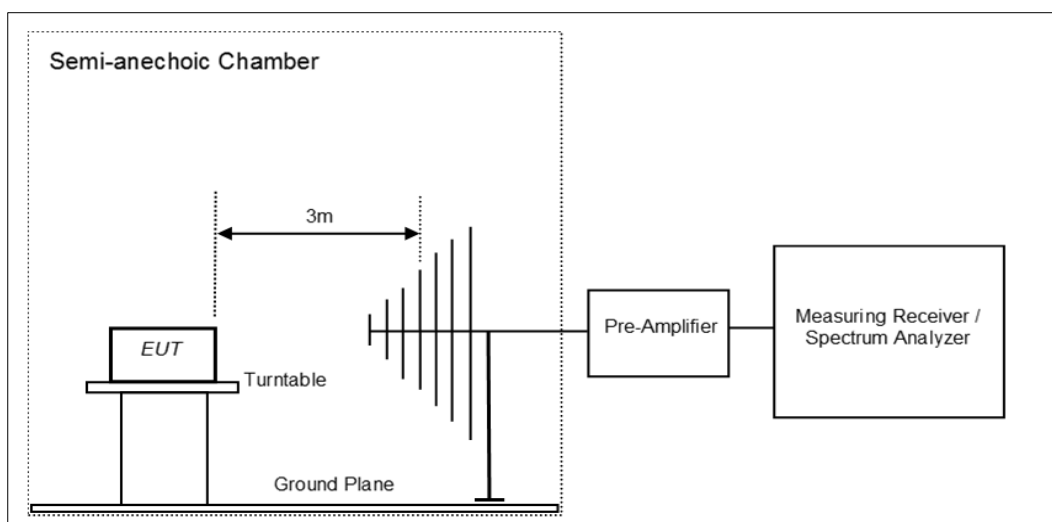
$\text{P}_L$  = path loss determined on the frequency of the EUT emission or calculated using linear interpolation between site characterization frequencies.

- 2) This is the level to be compared against the regulatory limit as it is the emission power referenced back to the EUT on the test site.

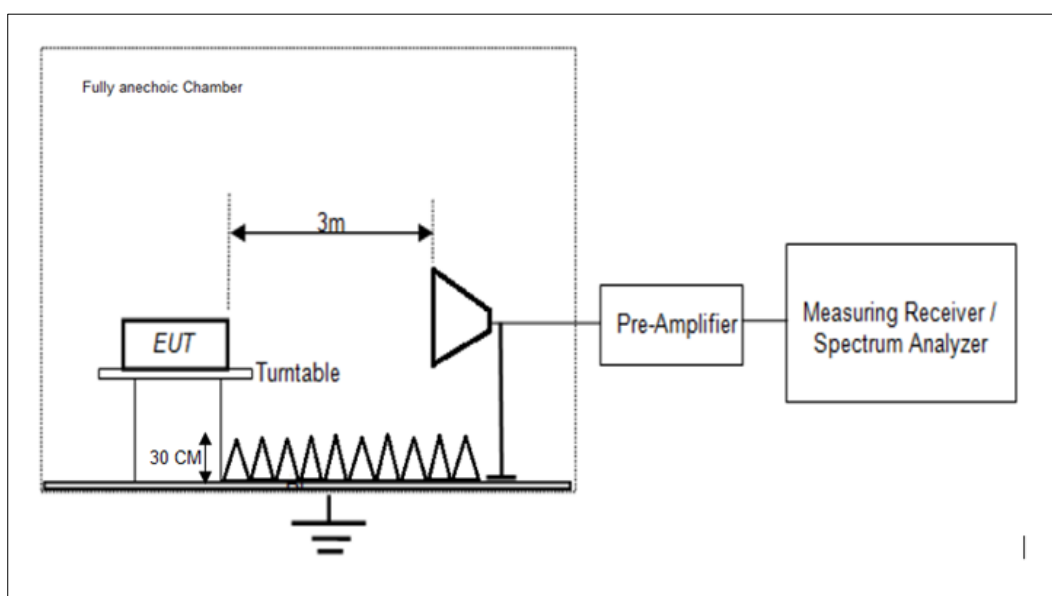
**Test site-up for radiated measurements**



**Figure 2: Frequency Range 30 MHz – 200 MHz**

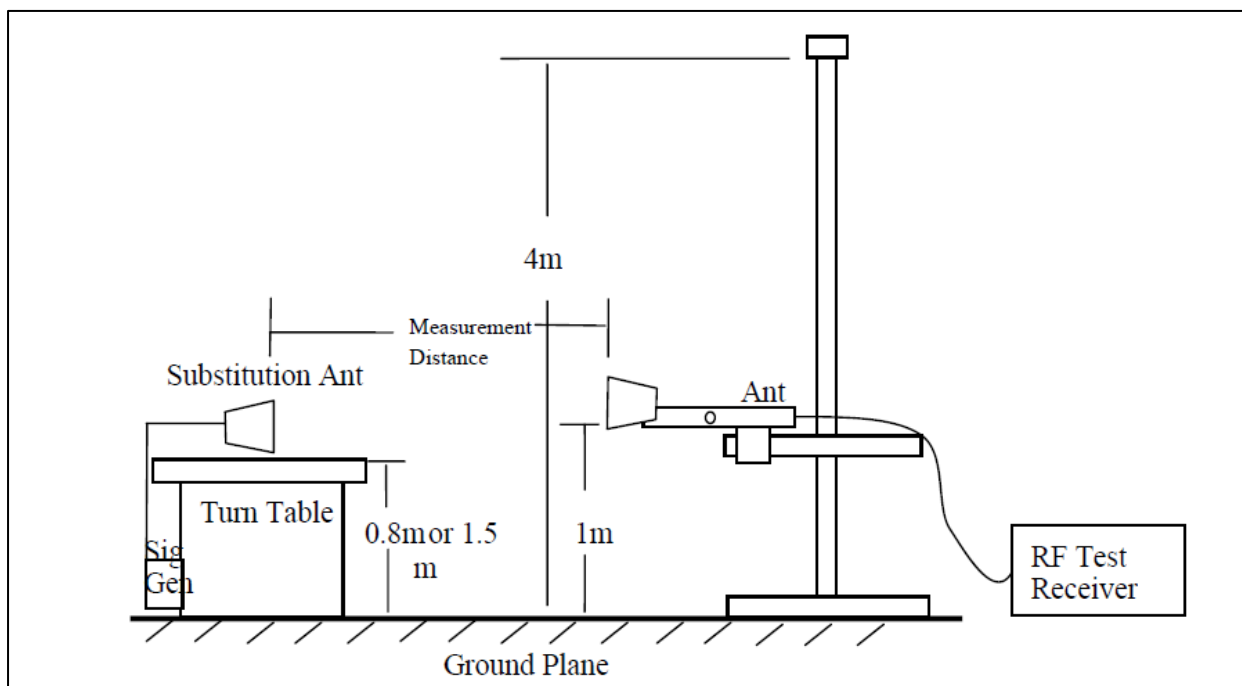


**Figure 3: Frequency Range 200 MHz - 1GHz**



**Figure 4: Frequency Range above 1 GHz**

**Substitution method set-up for radiated emission**



**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 18 von 107  
Page 18 of 107

## 7 TEST RESULTS

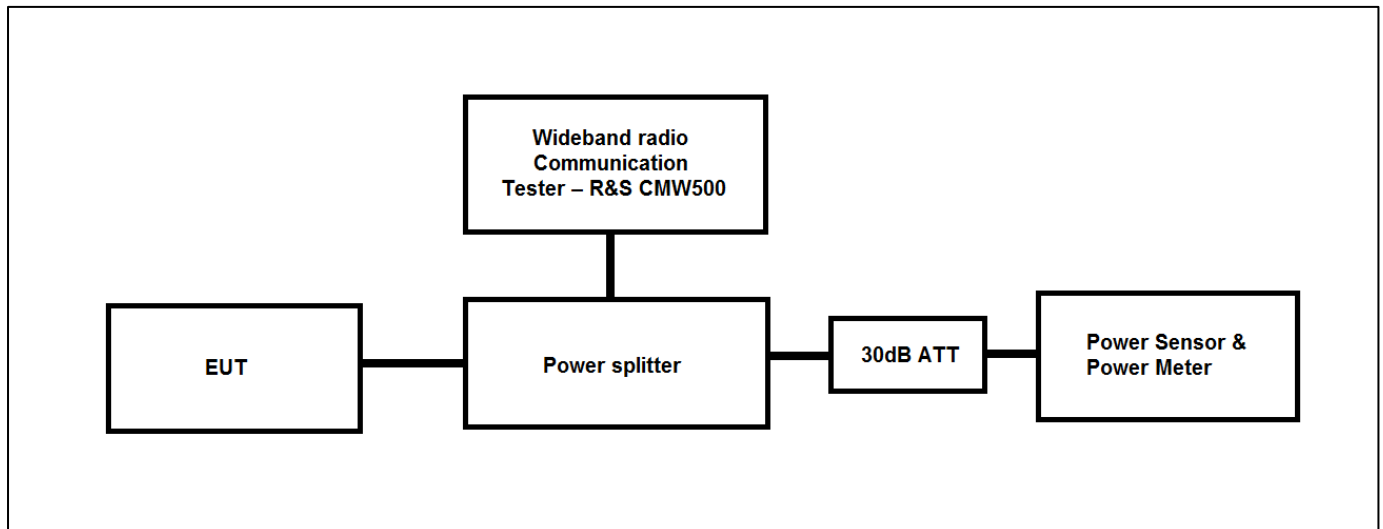
### 7.1 PEAK – Average Ratio

**Result**

**Pass**

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Specification           | FCC Part §2.1046 & §24.232<br>RSS-133, §5.5<br>ANSI C63.26-2015            |
| Test Method / Procedure | As per subclause 5 in 971168 D01 Power Meas License Digital Systems v03r01 |
| Detector Function       | Peak/Average                                                               |
| Requirement             | PAPR ≤ 13dB                                                                |

**Test Setup:**



**Environmental Conditions:**

**Temperature:** +22.5°C

**Voltage:** 110VAC through mains

**Relative Humidity:** 62%

**KDB Guidelines applied:**

Measurements were made as per section 5.2.4 in KDB 971168 D01 Power Meas License Digital Systems v03r01

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 19 von 107  
Page 19 of 107

**Test results:**

**Note:**

1. All the losses are included during measurement and final values are mentioned in the test report.
2. Total Average Output power (dBm) = Measured Average power (dBm) + Attenuator factor (30dB) + Power Splitter (6 dB) + Cable loss (1dB)
3. PAPR (dB) = Measured Peak Power(dBm) – Measured Average Power(dBm)

**PAPR Test Results**

| Band  | Bandwidth | Modulation | Channel No | RB Position & RB Allocation | Peak Output Power (dBm) | Conducted Average Output Power (dBm) | PAPR (dB) | Limit (dB) |
|-------|-----------|------------|------------|-----------------------------|-------------------------|--------------------------------------|-----------|------------|
| Band2 | 1.4MHz    | QPSK       | 18607      | 1RB#0                       | 27.41                   | 22.40                                | 5.01      | 13.00      |
|       |           |            | 18607      | 1RB#2                       | 27.46                   | 22.56                                | 4.90      | 13.00      |
|       |           |            | 18607      | 1RB#5                       | 27.35                   | 22.35                                | 5.00      | 13.00      |
|       |           |            | 18607      | 3RB#1                       | 27.85                   | 22.63                                | 5.22      | 13.00      |
|       |           |            | 18607      | 3RB#0                       | 27.80                   | 22.59                                | 5.21      | 13.00      |
|       |           |            | 18607      | 3RB#3                       | 27.87                   | 22.69                                | 5.18      | 13.00      |
|       |           |            | 18607      | 6RB#0                       | 27.16                   | 21.69                                | 5.47      | 13.00      |
|       |           |            | 18900      | 1RB#5                       | 27.21                   | 22.23                                | 4.98      | 13.00      |
|       |           |            | 18900      | 1RB#0                       | 27.24                   | 22.36                                | 4.88      | 13.00      |
|       |           |            | 18900      | 1RB#2                       | 27.22                   | 22.30                                | 4.92      | 13.00      |
|       |           |            | 18900      | 3RB#0                       | 27.71                   | 22.39                                | 5.32      | 13.00      |
|       |           |            | 18900      | 3RB#1                       | 27.55                   | 22.32                                | 5.23      | 13.00      |
|       |           |            | 18900      | 3RB#3                       | 27.61                   | 22.40                                | 5.21      | 13.00      |
|       |           |            | 18900      | 6RB#0                       | 26.98                   | 21.37                                | 5.61      | 13.00      |
|       |           |            | 19193      | 1RB#2                       | 27.36                   | 22.70                                | 4.66      | 13.00      |
|       |           |            | 19193      | 1RB#5                       | 27.19                   | 22.59                                | 4.60      | 13.00      |
|       |           |            | 19193      | 1RB#0                       | 26.96                   | 22.30                                | 4.66      | 13.00      |
|       |           |            | 19193      | 3RB#0                       | 27.76                   | 22.78                                | 4.98      | 13.00      |
|       |           |            | 19193      | 3RB#3                       | 27.63                   | 22.86                                | 4.77      | 13.00      |
|       |           |            | 19193      | 3RB#1                       | 27.61                   | 22.82                                | 4.79      | 13.00      |
|       |           |            | 19193      | 6RB#0                       | 27.31                   | 21.93                                | 5.38      | 13.00      |
|       |           | 16QAM      | 18607      | 1RB#2                       | 27.09                   | 21.20                                | 5.89      | 13.00      |
|       |           |            | 18607      | 1RB#5                       | 27.82                   | 22.01                                | 5.81      | 13.00      |
|       |           |            | 18607      | 1RB#0                       | 27.66                   | 21.80                                | 5.86      | 13.00      |
|       |           |            | 18607      | 3RB#0                       | 27.74                   | 21.72                                | 6.02      | 13.00      |
|       |           |            | 18607      | 3RB#1                       | 27.62                   | 21.70                                | 5.92      | 13.00      |
|       |           |            | 18607      | 3RB#0                       | 27.70                   | 21.79                                | 5.91      | 13.00      |
|       |           |            | 18607      | 3RB#1                       | 27.82                   | 21.80                                | 6.02      | 13.00      |
|       |           |            | 18607      | 3RB#3                       | 27.70                   | 21.90                                | 5.80      | 13.00      |
|       |           |            | 18607      | 6RB#0                       | 27.27                   | 20.75                                | 6.52      | 13.00      |
|       |           |            | 18900      | 1RB#5                       | 27.24                   | 21.79                                | 5.45      | 13.00      |
|       |           |            | 18900      | 1RB#0                       | 27.39                   | 21.96                                | 5.43      | 13.00      |
|       |           |            | 18900      | 1RB#2                       | 27.22                   | 21.91                                | 5.31      | 13.00      |
|       |           |            | 18900      | 3RB#3                       | 27.48                   | 21.27                                | 6.21      | 13.00      |
|       |           |            | 18900      | 3RB#1                       | 27.38                   | 21.23                                | 6.15      | 13.00      |
|       |           |            | 18900      | 3RB#0                       | 27.51                   | 21.25                                | 6.26      | 13.00      |
|       |           |            | 18900      | 6RB#0                       | 26.54                   | 20.35                                | 6.19      | 13.00      |
|       |           |            | 19193      | 1RB#2                       | 27.29                   | 21.85                                | 5.44      | 13.00      |
|       |           |            | 19193      | 1RB#5                       | 27.27                   | 21.83                                | 5.44      | 13.00      |
|       |           |            | 19193      | 1RB#0                       | 27.01                   | 21.71                                | 5.30      | 13.00      |
|       |           |            | 19193      | 3RB#3                       | 27.67                   | 21.94                                | 5.73      | 13.00      |
|       |           |            | 19193      | 3RB#1                       | 27.51                   | 21.99                                | 5.52      | 13.00      |
|       |           |            | 19193      | 3RB#0                       | 27.59                   | 22.01                                | 5.58      | 13.00      |
|       |           |            | 19193      | 6RB#0                       | 27.33                   | 20.97                                | 6.36      | 13.00      |

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 20 von 107  
Page 20 of 107

| Band  | Bandwidth | Modulation | Channel No | RB Position & RB Allocation | Peak Output Power (dBm) | Conducted Average Output Power (dBm) | PAPR (dB) | Limit (dB) |
|-------|-----------|------------|------------|-----------------------------|-------------------------|--------------------------------------|-----------|------------|
| Band2 | 3MHz      | QPSK       | 18615      | 1RB#14                      | 27.24                   | 21.74                                | 5.50      | 13.00      |
|       |           |            | 18615      | 1RB#0                       | 27.42                   | 22.42                                | 5.00      | 13.00      |
|       |           |            | 18615      | 1RB#8                       | 27.23                   | 22.41                                | 4.82      | 13.00      |
|       |           |            | 18615      | 8RB#7                       | 27.07                   | 21.67                                | 5.40      | 13.00      |
|       |           |            | 18615      | 8RB#4                       | 27.07                   | 21.64                                | 5.43      | 13.00      |
|       |           |            | 18615      | 8RB#0                       | 27.08                   | 21.64                                | 5.44      | 13.00      |
|       |           |            | 18615      | 15RB#0                      | 27.31                   | 21.71                                | 5.60      | 13.00      |
|       |           |            | 18900      | 1RB#14                      | 27.34                   | 22.41                                | 4.93      | 13.00      |
|       |           |            | 18900      | 1RB#8                       | 27.15                   | 22.33                                | 4.82      | 13.00      |
|       |           |            | 18900      | 1RB#0                       | 27.26                   | 22.36                                | 4.90      | 13.00      |
|       |           |            | 18900      | 8RB#7                       | 26.64                   | 21.30                                | 5.34      | 13.00      |
|       |           |            | 18900      | 8RB#0                       | 26.61                   | 21.29                                | 5.32      | 13.00      |
|       |           |            | 18900      | 8RB#4                       | 26.54                   | 21.23                                | 5.31      | 13.00      |
|       |           |            | 18900      | 15RB#0                      | 27.23                   | 21.23                                | 6.00      | 13.00      |
|       |           |            | 19185      | 1RB#14                      | 27.22                   | 22.46                                | 4.76      | 13.00      |
|       |           |            | 19185      | 1RB#8                       | 27.19                   | 22.44                                | 4.75      | 13.00      |
|       |           |            | 19185      | 1RB#0                       | 27.25                   | 22.72                                | 4.53      | 13.00      |
|       |           |            | 19185      | 8RB#4                       | 27.01                   | 22.28                                | 4.73      | 13.00      |
|       |           |            | 19185      | 8RB#0                       | 27.13                   | 21.92                                | 5.21      | 13.00      |
|       |           |            | 19185      | 8RB#7                       | 27.05                   | 21.89                                | 5.16      | 13.00      |
|       |           |            | 19185      | 15RB#0                      | 27.42                   | 21.84                                | 5.58      | 13.00      |
|       | 3MHz      | 16QAM      | 18615      | 1RB#8                       | 27.44                   | 22.12                                | 5.32      | 13.00      |
|       |           |            | 18615      | 1RB#14                      | 27.48                   | 22.10                                | 5.38      | 13.00      |
|       |           |            | 18615      | 1RB#0                       | 27.35                   | 22.16                                | 5.19      | 13.00      |
|       |           |            | 18615      | 8RB#0                       | 26.83                   | 20.63                                | 6.20      | 13.00      |
|       |           |            | 18615      | 8RB#7                       | 26.91                   | 20.69                                | 6.22      | 13.00      |
|       |           |            | 18615      | 8RB#4                       | 26.89                   | 20.69                                | 6.20      | 13.00      |
|       |           |            | 18615      | 15RB#0                      | 27.27                   | 20.68                                | 6.59      | 13.00      |
|       |           |            | 18900      | 1RB#8                       | 26.91                   | 21.16                                | 5.75      | 13.00      |
|       |           |            | 18900      | 1RB#14                      | 26.77                   | 21.11                                | 5.66      | 13.00      |
|       |           |            | 18900      | 1RB#0                       | 26.86                   | 21.17                                | 5.69      | 13.00      |
|       |           |            | 18900      | 8RB#4                       | 26.20                   | 20.29                                | 5.91      | 13.00      |
|       |           |            | 18900      | 8RB#0                       | 26.18                   | 20.22                                | 5.96      | 13.00      |
|       |           |            | 18900      | 8RB#7                       | 26.25                   | 20.25                                | 6.00      | 13.00      |
|       |           |            | 18900      | 15RB#0                      | 26.99                   | 20.39                                | 6.60      | 13.00      |
|       |           |            | 19185      | 1RB#14                      | 27.42                   | 22.23                                | 5.19      | 13.00      |
|       |           |            | 19185      | 1RB#0                       | 27.14                   | 22.10                                | 5.04      | 13.00      |
|       |           |            | 19185      | 1RB#8                       | 27.24                   | 22.07                                | 5.17      | 13.00      |
|       |           |            | 19185      | 8RB#0                       | 26.90                   | 21.09                                | 5.81      | 13.00      |
|       |           |            | 19185      | 8RB#7                       | 27.01                   | 21.08                                | 5.93      | 13.00      |
|       |           |            | 19185      | 8RB#4                       | 27.00                   | 21.26                                | 5.74      | 13.00      |
|       |           |            | 19185      | 15RB#0                      | 27.07                   | 21.08                                | 5.99      | 13.00      |

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 21 von 107  
Page 21 of 107

| Band  | Bandwidth | Modulation | Channel No | RB Position & RB Allocation | Peak Output Power (dBm) | Conducted Average Output Power (dBm) | PAPR (dB) | Limit (dB) |
|-------|-----------|------------|------------|-----------------------------|-------------------------|--------------------------------------|-----------|------------|
| Band2 | 5MHz      | QPSK       | 18625      | 1RB#24                      | 27.46                   | 22.59                                | 4.87      | 13.00      |
|       |           |            | 18625      | 1RB#12                      | 27.52                   | 22.70                                | 4.82      | 13.00      |
|       |           |            | 18625      | 1RB#0                       | 27.22                   | 22.28                                | 4.94      | 13.00      |
|       |           |            | 18625      | 12RB#6                      | 27.04                   | 21.73                                | 5.31      | 13.00      |
|       |           |            | 18625      | 12RB#0                      | 26.99                   | 21.61                                | 5.38      | 13.00      |
|       |           |            | 18625      | 12RB#13                     | 27.00                   | 21.61                                | 5.39      | 13.00      |
|       |           |            | 18625      | 25RB#0                      | 27.55                   | 21.73                                | 5.82      | 13.00      |
|       |           |            | 18900      | 1RB#24                      | 27.31                   | 22.35                                | 4.96      | 13.00      |
|       |           |            | 18900      | 1RB#0                       | 27.22                   | 22.41                                | 4.81      | 13.00      |
|       |           |            | 18900      | 1RB#12                      | 27.36                   | 22.45                                | 4.91      | 13.00      |
|       |           |            | 18900      | 12RB#6                      | 26.57                   | 21.31                                | 5.26      | 13.00      |
|       |           |            | 18900      | 12RB#0                      | 26.52                   | 21.32                                | 5.20      | 13.00      |
|       |           |            | 18900      | 12RB#13                     | 26.50                   | 21.33                                | 5.17      | 13.00      |
|       |           |            | 18900      | 25RB#0                      | 27.09                   | 21.34                                | 5.75      | 13.00      |
|       |           |            | 19175      | 1RB#0                       | 27.50                   | 22.63                                | 4.87      | 13.00      |
|       |           |            | 19175      | 1RB#12                      | 27.08                   | 22.50                                | 4.58      | 13.00      |
|       |           |            | 19175      | 1RB#24                      | 27.12                   | 22.44                                | 4.68      | 13.00      |
|       |           |            | 19175      | 12RB#0                      | 26.99                   | 21.86                                | 5.13      | 13.00      |
|       |           |            | 19175      | 12RB#6                      | 26.77                   | 21.77                                | 5.00      | 13.00      |
|       |           |            | 19175      | 12RB#13                     | 26.77                   | 21.78                                | 4.99      | 13.00      |
|       |           |            | 19175      | 25RB#0                      | 27.44                   | 21.83                                | 5.61      | 13.00      |
|       | 5MHz      | 16QAM      | 18625      | 1RB#0                       | 27.12                   | 21.50                                | 5.62      | 13.00      |
|       |           |            | 18625      | 1RB#12                      | 27.09                   | 21.55                                | 5.54      | 13.00      |
|       |           |            | 18625      | 1RB#24                      | 27.63                   | 21.95                                | 5.68      | 13.00      |
|       |           |            | 18625      | 12RB#13                     | 26.87                   | 20.54                                | 6.33      | 13.00      |
|       |           |            | 18625      | 12RB#0                      | 26.50                   | 20.42                                | 6.08      | 13.00      |
|       |           |            | 18625      | 12RB#6                      | 26.64                   | 20.41                                | 6.23      | 13.00      |
|       |           |            | 18625      | 25RB#0                      | 27.53                   | 20.67                                | 6.86      | 13.00      |
|       |           |            | 18900      | 1RB#0                       | 26.84                   | 20.99                                | 5.85      | 13.00      |
|       |           |            | 18900      | 1RB#12                      | 26.81                   | 21.06                                | 5.75      | 13.00      |
|       |           |            | 18900      | 1RB#24                      | 27.09                   | 21.24                                | 5.85      | 13.00      |
|       |           |            | 18900      | 12RB#0                      | 26.46                   | 20.27                                | 6.19      | 13.00      |
|       |           |            | 18900      | 12RB#13                     | 26.59                   | 20.38                                | 6.21      | 13.00      |
|       |           |            | 18900      | 12RB#6                      | 26.58                   | 20.39                                | 6.19      | 13.00      |
|       |           |            | 18900      | 25RB#0                      | 27.04                   | 20.44                                | 6.60      | 13.00      |
|       |           |            | 19175      | 1RB#0                       | 26.73                   | 21.11                                | 5.62      | 13.00      |
|       |           |            | 19175      | 1RB#24                      | 26.68                   | 21.24                                | 5.44      | 13.00      |
|       |           |            | 19175      | 1RB#12                      | 26.69                   | 21.18                                | 5.51      | 13.00      |
|       |           |            | 19175      | 12RB#0                      | 27.01                   | 20.80                                | 6.21      | 13.00      |
|       |           |            | 19175      | 12RB#6                      | 27.02                   | 20.96                                | 6.06      | 13.00      |
|       |           |            | 19175      | 12RB#13                     | 26.94                   | 20.88                                | 6.06      | 13.00      |
|       |           |            | 19175      | 25RB#0                      | 27.49                   | 21.06                                | 6.43      | 13.00      |

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 22 von 107  
Page 22 of 107

| Band  | Bandwidth | Modulation | Channel No | RB Position & RB Allocation | Peak Output Power (dBm) | Conducted Average Output Power (dBm) | PAPR (dB) | Limit (dB) |
|-------|-----------|------------|------------|-----------------------------|-------------------------|--------------------------------------|-----------|------------|
| Band2 | 10MHz     | QPSK       | 18650      | 1RB#0                       | 27.42                   | 22.48                                | 4.94      | 13.00      |
|       |           |            | 18650      | 1RB#24                      | 27.48                   | 22.58                                | 4.90      | 13.00      |
|       |           |            | 18650      | 1RB#49                      | 27.56                   | 22.65                                | 4.91      | 13.00      |
|       |           |            | 18650      | 25RB#12                     | 27.22                   | 21.81                                | 5.41      | 13.00      |
|       |           |            | 18650      | 25RB#0                      | 27.23                   | 21.83                                | 5.40      | 13.00      |
|       |           |            | 18650      | 25RB#25                     | 27.24                   | 21.82                                | 5.42      | 13.00      |
|       |           |            | 18650      | 50RB#0                      | 28.01                   | 21.77                                | 6.24      | 13.00      |
|       |           |            | 18900      | 1RB#49                      | 27.45                   | 22.55                                | 4.90      | 13.00      |
|       |           |            | 18900      | 1RB#0                       | 27.49                   | 22.62                                | 4.87      | 13.00      |
|       |           |            | 18900      | 1RB#24                      | 27.30                   | 22.38                                | 4.92      | 13.00      |
|       |           |            | 18900      | 25RB#0                      | 26.71                   | 21.36                                | 5.35      | 13.00      |
|       |           |            | 18900      | 25RB#12                     | 26.62                   | 21.33                                | 5.29      | 13.00      |
|       |           |            | 18900      | 25RB#25                     | 26.71                   | 21.35                                | 5.36      | 13.00      |
|       |           |            | 18900      | 50RB#0                      | 26.89                   | 21.32                                | 5.57      | 13.00      |
|       |           |            | 19150      | 1RB#24                      | 27.78                   | 22.90                                | 4.88      | 13.00      |
|       |           |            | 19150      | 1RB#49                      | 27.60                   | 22.82                                | 4.78      | 13.00      |
|       |           |            | 19150      | 1RB#0                       | 27.53                   | 22.97                                | 4.56      | 13.00      |
|       |           |            | 19150      | 25RB#0                      | 27.34                   | 21.85                                | 5.49      | 13.00      |
|       |           |            | 19150      | 25RB#25                     | 27.02                   | 21.84                                | 5.18      | 13.00      |
|       |           |            | 19150      | 25RB#12                     | 27.01                   | 21.86                                | 5.15      | 13.00      |
|       |           |            | 19150      | 50RB#0                      | 27.84                   | 21.85                                | 5.99      | 13.00      |
|       | 10MHz     | 16QAM      | 18650      | 1RB#24                      | 27.58                   | 22.26                                | 5.32      | 13.00      |
|       |           |            | 18650      | 1RB#49                      | 27.75                   | 22.27                                | 5.48      | 13.00      |
|       |           |            | 18650      | 1RB#0                       | 27.60                   | 22.23                                | 5.37      | 13.00      |
|       |           |            | 18650      | 25RB#0                      | 27.23                   | 20.83                                | 6.40      | 13.00      |
|       |           |            | 18650      | 25RB#12                     | 27.13                   | 20.75                                | 6.38      | 13.00      |
|       |           |            | 18650      | 25RB#25                     | 27.12                   | 20.76                                | 6.36      | 13.00      |
|       |           |            | 18650      | 50RB#0                      | 27.72                   | 20.72                                | 7.00      | 13.00      |
|       |           |            | 18900      | 1RB#49                      | 26.91                   | 21.11                                | 5.80      | 13.00      |
|       |           |            | 18900      | 1RB#0                       | 27.07                   | 21.31                                | 5.76      | 13.00      |
|       |           |            | 18900      | 1RB#24                      | 27.09                   | 21.38                                | 5.71      | 13.00      |
|       |           |            | 18900      | 25RB#25                     | 26.86                   | 20.61                                | 6.25      | 13.00      |
|       |           |            | 18900      | 25RB#12                     | 26.70                   | 20.58                                | 6.12      | 13.00      |
|       |           |            | 18900      | 25RB#0                      | 26.92                   | 20.63                                | 6.29      | 13.00      |
|       |           |            | 18900      | 50RB#0                      | 26.91                   | 20.38                                | 6.53      | 13.00      |
|       |           |            | 19150      | 1RB#24                      | 27.60                   | 22.29                                | 5.31      | 13.00      |
|       |           |            | 19150      | 1RB#49                      | 28.24                   | 23.11                                | 5.13      | 13.00      |
|       |           |            | 19150      | 1RB#0                       | 27.50                   | 22.42                                | 5.08      | 13.00      |
|       |           |            | 19150      | 25RB#25                     | 27.34                   | 21.03                                | 6.31      | 13.00      |
|       |           |            | 19150      | 25RB#12                     | 27.15                   | 21.08                                | 6.07      | 13.00      |
|       |           |            | 19150      | 25RB#0                      | 27.24                   | 20.81                                | 6.43      | 13.00      |
|       |           |            | 19150      | 50RB#0                      | 28.02                   | 20.97                                | 7.05      | 13.00      |

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 23 von 107  
Page 23 of 107

| Band  | Bandwidth | Modulation | Channel No | RB Position & RB Allocation | Peak Output Power (dBm) | Conducted Average Output Power (dBm) | PAPR (dB) | Limit (dB) |
|-------|-----------|------------|------------|-----------------------------|-------------------------|--------------------------------------|-----------|------------|
| Band2 | 15MHz     | QPSK       | 18675      | 1RB#74                      | 27.50                   | 22.81                                | 4.69      | 13.00      |
|       |           |            | 18675      | 1RB#0                       | 27.30                   | 22.62                                | 4.68      | 13.00      |
|       |           |            | 18675      | 1RB#38                      | 27.14                   | 22.38                                | 4.76      | 13.00      |
|       |           |            | 18675      | 36RB#39                     | 27.15                   | 21.80                                | 5.35      | 13.00      |
|       |           |            | 18675      | 36RB#18                     | 26.99                   | 21.61                                | 5.38      | 13.00      |
|       |           |            | 18675      | 36RB#0                      | 27.16                   | 21.79                                | 5.37      | 13.00      |
|       |           |            | 18675      | 75RB#0                      | 27.58                   | 21.73                                | 5.85      | 13.00      |
|       |           |            | 18900      | 1RB#74                      | 27.32                   | 22.42                                | 4.90      | 13.00      |
|       |           |            | 18900      | 1RB#38                      | 27.36                   | 22.42                                | 4.94      | 13.00      |
|       |           |            | 18900      | 1RB#0                       | 27.32                   | 22.41                                | 4.91      | 13.00      |
|       |           |            | 18900      | 36RB#0                      | 26.87                   | 21.53                                | 5.34      | 13.00      |
|       |           |            | 18900      | 36RB#39                     | 26.79                   | 21.43                                | 5.36      | 13.00      |
|       |           |            | 18900      | 36RB#18                     | 26.79                   | 21.44                                | 5.35      | 13.00      |
|       |           |            | 18900      | 75RB#0                      | 27.14                   | 21.32                                | 5.82      | 13.00      |
|       |           |            | 19125      | 1RB#74                      | 27.49                   | 22.64                                | 4.85      | 13.00      |
|       |           |            | 19125      | 1RB#38                      | 27.70                   | 22.87                                | 4.83      | 13.00      |
|       |           |            | 19125      | 1RB#0                       | 27.47                   | 22.61                                | 4.86      | 13.00      |
|       |           |            | 19125      | 36RB#18                     | 27.14                   | 21.72                                | 5.42      | 13.00      |
|       |           |            | 19125      | 36RB#0                      | 27.12                   | 22.00                                | 5.12      | 13.00      |
|       |           |            | 19125      | 36RB#39                     | 27.16                   | 21.94                                | 5.22      | 13.00      |
|       |           |            | 19125      | 75RB#0                      | 27.77                   | 21.83                                | 5.94      | 13.00      |
|       | 15MHz     | 16QAM      | 18675      | 1RB#0                       | 26.94                   | 21.48                                | 5.46      | 13.00      |
|       |           |            | 18675      | 1RB#74                      | 27.08                   | 21.70                                | 5.38      | 13.00      |
|       |           |            | 18675      | 1RB#38                      | 27.16                   | 21.77                                | 5.39      | 13.00      |
|       |           |            | 18675      | 36RB#0                      | 27.05                   | 20.68                                | 6.37      | 13.00      |
|       |           |            | 18675      | 36RB#39                     | 26.86                   | 20.51                                | 6.35      | 13.00      |
|       |           |            | 18675      | 36RB#18                     | 26.91                   | 20.61                                | 6.30      | 13.00      |
|       |           |            | 18675      | 75RB#0                      | 27.42                   | 20.68                                | 6.74      | 13.00      |
|       |           |            | 18900      | 1RB#38                      | 27.19                   | 21.81                                | 5.38      | 13.00      |
|       |           |            | 18900      | 1RB#74                      | 27.20                   | 21.87                                | 5.33      | 13.00      |
|       |           |            | 18900      | 1RB#0                       | 27.22                   | 21.84                                | 5.38      | 13.00      |
|       |           |            | 18900      | 36RB#18                     | 26.85                   | 20.58                                | 6.27      | 13.00      |
|       |           |            | 18900      | 36RB#0                      | 26.84                   | 20.49                                | 6.35      | 13.00      |
|       |           |            | 18900      | 36RB#39                     | 27.13                   | 20.47                                | 6.66      | 13.00      |
|       |           |            | 18900      | 75RB#0                      | 27.25                   | 20.48                                | 6.77      | 13.00      |
|       |           |            | 19125      | 1RB#74                      | 27.57                   | 22.28                                | 5.29      | 13.00      |
|       |           |            | 19125      | 1RB#0                       | 27.61                   | 22.45                                | 5.16      | 13.00      |
|       |           |            | 19125      | 1RB#38                      | 27.31                   | 22.26                                | 5.05      | 13.00      |
|       |           |            | 19125      | 36RB#0                      | 27.34                   | 21.02                                | 6.32      | 13.00      |
|       |           |            | 19125      | 36RB#39                     | 27.18                   | 20.99                                | 6.19      | 13.00      |
|       |           |            | 19125      | 36RB#18                     | 27.11                   | 20.91                                | 6.20      | 13.00      |
|       |           |            | 19125      | 75RB#0                      | 27.60                   | 20.86                                | 6.74      | 13.00      |

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 24 von 107  
Page 24 of 107

| Band  | Bandwidth | Modulation | Channel No | RB Position & RB Allocation | Peak Output Power (dBm) | Conducted Average Output Power (dBm) | PAPR (dB) | Limit (dB) |
|-------|-----------|------------|------------|-----------------------------|-------------------------|--------------------------------------|-----------|------------|
| Band2 | 20MHz     | QPSK       | 18700      | 1RB#99                      | 27.46                   | 22.53                                | 4.93      | 13.00      |
|       |           |            | 18700      | 1RB#49                      | 27.77                   | 22.83                                | 4.94      | 13.00      |
|       |           |            | 18700      | 1RB#0                       | 27.28                   | 22.31                                | 4.97      | 13.00      |
|       |           |            | 18700      | 50RB#25                     | 27.23                   | 21.78                                | 5.45      | 13.00      |
|       |           |            | 18700      | 50RB#0                      | 27.02                   | 21.58                                | 5.44      | 13.00      |
|       |           |            | 18700      | 50RB#50                     | 27.05                   | 21.57                                | 5.48      | 13.00      |
|       |           |            | 18700      | 100RB#0                     | 27.89                   | 21.68                                | 6.21      | 13.00      |
|       |           |            | 18900      | 1RB#99                      | 27.47                   | 22.58                                | 4.89      | 13.00      |
|       |           |            | 18900      | 1RB#0                       | 27.55                   | 22.71                                | 4.84      | 13.00      |
|       |           |            | 18900      | 1RB#49                      | 27.41                   | 22.48                                | 4.93      | 13.00      |
|       |           |            | 18900      | 50RB#25                     | 26.98                   | 21.57                                | 5.41      | 13.00      |
|       |           |            | 18900      | 50RB#0                      | 26.91                   | 21.51                                | 5.40      | 13.00      |
|       |           |            | 18900      | 50RB#50                     | 27.03                   | 21.59                                | 5.44      | 13.00      |
|       |           |            | 18900      | 100RB#0                     | 27.08                   | 21.59                                | 5.49      | 13.00      |
|       |           |            | 19100      | 1RB#0                       | 27.41                   | 22.63                                | 4.78      | 13.00      |
|       |           |            | 19100      | 1RB#49                      | 27.93                   | 23.33                                | 4.60      | 13.00      |
|       |           |            | 19100      | 1RB#99                      | 27.08                   | 22.60                                | 4.48      | 13.00      |
|       |           |            | 19100      | 50RB#0                      | 27.26                   | 21.91                                | 5.35      | 13.00      |
|       |           |            | 19100      | 50RB#25                     | 27.15                   | 22.00                                | 5.15      | 13.00      |
|       |           |            | 19100      | 50RB#50                     | 27.11                   | 22.00                                | 5.11      | 13.00      |
|       |           |            | 19100      | 100RB#0                     | 27.91                   | 21.83                                | 6.08      | 13.00      |
|       |           | 16QAM      | 18700      | 1RB#0                       | 27.90                   | 22.67                                | 5.23      | 13.00      |
|       |           |            | 18700      | 1RB#49                      | 28.57                   | 23.04                                | 5.53      | 13.00      |
|       |           |            | 18700      | 1RB#99                      | 27.74                   | 22.40                                | 5.34      | 13.00      |
|       |           |            | 18700      | 50RB#50                     | 27.31                   | 20.90                                | 6.41      | 13.00      |
|       |           |            | 18700      | 50RB#0                      | 26.93                   | 20.65                                | 6.28      | 13.00      |
|       |           |            | 18700      | 50RB#25                     | 27.04                   | 20.68                                | 6.36      | 13.00      |
|       |           |            | 18700      | 100RB#0                     | 27.61                   | 20.85                                | 6.76      | 13.00      |
|       |           |            | 18900      | 1RB#0                       | 27.47                   | 21.86                                | 5.61      | 13.00      |
|       |           |            | 18900      | 1RB#49                      | 27.93                   | 22.41                                | 5.52      | 13.00      |
|       |           |            | 18900      | 1RB#99                      | 27.44                   | 21.90                                | 5.54      | 13.00      |
|       |           |            | 18900      | 50RB#0                      | 27.27                   | 20.88                                | 6.39      | 13.00      |
|       |           |            | 18900      | 50RB#50                     | 27.58                   | 20.57                                | 7.01      | 13.00      |
|       |           |            | 18900      | 50RB#25                     | 26.97                   | 20.60                                | 6.37      | 13.00      |
|       |           |            | 18900      | 100RB#0                     | 27.52                   | 20.60                                | 6.92      | 13.00      |
|       |           |            | 19100      | 1RB#0                       | 27.31                   | 21.74                                | 5.57      | 13.00      |
|       |           |            | 19100      | 1RB#99                      | 27.50                   | 22.02                                | 5.48      | 13.00      |
|       |           |            | 19100      | 1RB#49                      | 26.95                   | 21.60                                | 5.35      | 13.00      |
|       |           |            | 19100      | 50RB#0                      | 27.33                   | 20.96                                | 6.37      | 13.00      |
|       |           |            | 19100      | 50RB#25                     | 27.14                   | 20.98                                | 6.16      | 13.00      |
|       |           |            | 19100      | 50RB#50                     | 27.15                   | 20.99                                | 6.16      | 13.00      |
|       |           |            | 19100      | 100RB#0                     | 27.48                   | 20.84                                | 6.64      | 13.00      |

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 25 von 107  
Page 25 of 107

| Band   | Bandwidth | Modulation | Channel No | RB Position & RB Allocation | Measured peak Power (dBm) | Measured Average Power (dBm) | PAPR (dB) | Limit (dB) |
|--------|-----------|------------|------------|-----------------------------|---------------------------|------------------------------|-----------|------------|
| Band25 | 1.4MHz    | QPSK       | 26047      | 1RB#0                       | 27.55                     | 22.57                        | 4.98      | 13.00      |
|        |           |            | 26047      | 1RB#2                       | 27.48                     | 22.55                        | 4.93      | 13.00      |
|        |           |            | 26047      | 1RB#5                       | 27.52                     | 22.70                        | 4.82      | 13.00      |
|        |           |            | 26047      | 3RB#1                       | 27.63                     | 22.56                        | 5.07      | 13.00      |
|        |           |            | 26047      | 3RB#0                       | 27.64                     | 22.62                        | 5.02      | 13.00      |
|        |           |            | 26047      | 3RB#3                       | 27.62                     | 22.60                        | 5.02      | 13.00      |
|        |           |            | 26047      | 6RB#0                       | 27.23                     | 21.56                        | 5.67      | 13.00      |
|        |           |            | 26365      | 1RB#5                       | 27.25                     | 22.38                        | 4.87      | 13.00      |
|        |           |            | 26365      | 1RB#0                       | 27.22                     | 22.37                        | 4.85      | 13.00      |
|        |           |            | 26365      | 1RB#2                       | 27.44                     | 22.64                        | 4.80      | 13.00      |
|        |           |            | 26365      | 3RB#0                       | 27.24                     | 22.39                        | 4.85      | 13.00      |
|        |           |            | 26365      | 3RB#1                       | 27.77                     | 22.60                        | 5.17      | 13.00      |
|        |           |            | 26365      | 3RB#3                       | 27.64                     | 22.51                        | 5.13      | 13.00      |
|        |           |            | 26365      | 6RB#0                       | 27.16                     | 21.52                        | 5.64      | 13.00      |
|        |           |            | 26683      | 1RB#2                       | 26.89                     | 22.50                        | 4.39      | 13.00      |
|        |           |            | 26683      | 1RB#5                       | 26.66                     | 22.51                        | 4.15      | 13.00      |
|        |           |            | 26683      | 1RB#0                       | 26.46                     | 22.41                        | 4.05      | 13.00      |
|        |           |            | 26683      | 3RB#0                       | 26.97                     | 22.48                        | 4.49      | 13.00      |
|        |           |            | 26683      | 3RB#3                       | 26.66                     | 22.42                        | 4.24      | 13.00      |
|        |           |            | 26683      | 3RB#1                       | 26.65                     | 22.42                        | 4.23      | 13.00      |
|        |           |            | 26683      | 6RB#0                       | 26.71                     | 21.68                        | 5.03      | 13.00      |
|        |           | 16QAM      | 26047      | 1RB#2                       | 27.32                     | 22.41                        | 4.91      | 13.00      |
|        |           |            | 26047      | 1RB#5                       | 27.39                     | 22.56                        | 4.83      | 13.00      |
|        |           |            | 26047      | 1RB#0                       | 27.32                     | 22.42                        | 4.90      | 13.00      |
|        |           |            | 26047      | 3RB#0                       | 27.66                     | 22.51                        | 5.15      | 13.00      |
|        |           |            | 26047      | 3RB#1                       | 27.70                     | 22.69                        | 5.01      | 13.00      |
|        |           |            | 26047      | 3RB#3                       | 27.68                     | 22.75                        | 4.93      | 13.00      |
|        |           |            | 26047      | 6RB#0                       | 27.11                     | 21.64                        | 5.47      | 13.00      |
|        |           |            | 26365      | 1RB#5                       | 27.16                     | 21.12                        | 6.04      | 13.00      |
|        |           |            | 26365      | 1RB#0                       | 27.09                     | 21.38                        | 5.71      | 13.00      |
|        |           |            | 26365      | 1RB#2                       | 26.87                     | 21.12                        | 5.75      | 13.00      |
|        |           |            | 26365      | 3RB#3                       | 27.44                     | 21.49                        | 5.95      | 13.00      |
|        |           |            | 26365      | 3RB#1                       | 27.36                     | 21.50                        | 5.86      | 13.00      |
|        |           |            | 26365      | 3RB#0                       | 27.35                     | 21.45                        | 5.90      | 13.00      |
|        |           |            | 26365      | 6RB#0                       | 27.01                     | 20.52                        | 6.49      | 13.00      |
|        |           |            | 26683      | 1RB#2                       | 26.72                     | 21.12                        | 5.60      | 13.00      |
|        |           |            | 26683      | 1RB#5                       | 26.64                     | 21.86                        | 4.78      | 13.00      |
|        |           |            | 26683      | 1RB#0                       | 26.90                     | 21.61                        | 5.29      | 13.00      |
|        |           |            | 26683      | 3RB#3                       | 27.08                     | 21.52                        | 5.56      | 13.00      |
|        |           |            | 26683      | 3RB#1                       | 27.00                     | 21.64                        | 5.36      | 13.00      |
|        |           |            | 26683      | 3RB#0                       | 26.98                     | 21.63                        | 5.35      | 13.00      |
|        |           |            | 26683      | 6RB#0                       | 27.00                     | 20.69                        | 6.31      | 13.00      |

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 26 von 107  
Page 26 of 107

| Band    | Bandwidth | Modulation | Channel No | RB Position & RB Allocation | Measured peak Power (dBm) | Measured Average Power (dBm) | PAPR (dB) | Limit (dB) |
|---------|-----------|------------|------------|-----------------------------|---------------------------|------------------------------|-----------|------------|
| Band 25 | 3MHz      | QPSK       | 26055      | 1RB#14                      | 27.35                     | 20.76                        | 6.59      | 13.00      |
|         |           |            | 26055      | 1RB#0                       | 27.43                     | 22.52                        | 4.91      | 13.00      |
|         |           |            | 26055      | 1RB#8                       | 27.58                     | 22.61                        | 4.97      | 13.00      |
|         |           |            | 26055      | 8RB#7                       | 26.78                     | 21.61                        | 5.17      | 13.00      |
|         |           |            | 26055      | 8RB#4                       | 26.94                     | 21.68                        | 5.26      | 13.00      |
|         |           |            | 26055      | 8RB#0                       | 26.88                     | 21.67                        | 5.21      | 13.00      |
|         |           |            | 26055      | 15RB#0                      | 27.34                     | 21.63                        | 5.71      | 13.00      |
|         |           |            | 26365      | 1RB#14                      | 27.26                     | 22.45                        | 4.81      | 13.00      |
|         |           |            | 26365      | 1RB#8                       | 27.05                     | 22.28                        | 4.77      | 13.00      |
|         |           |            | 26365      | 1RB#0                       | 27.16                     | 22.22                        | 4.94      | 13.00      |
|         |           |            | 26365      | 8RB#7                       | 26.57                     | 21.37                        | 5.20      | 13.00      |
|         |           |            | 26365      | 8RB#0                       | 26.69                     | 21.41                        | 5.28      | 13.00      |
|         |           |            | 26365      | 8RB#4                       | 26.67                     | 21.38                        | 5.29      | 13.00      |
|         |           |            | 26365      | 15RB#0                      | 26.96                     | 21.40                        | 5.56      | 13.00      |
|         |           |            | 26675      | 1RB#14                      | 26.94                     | 22.28                        | 4.66      | 13.00      |
|         |           |            | 26675      | 1RB#8                       | 26.94                     | 22.51                        | 4.43      | 13.00      |
|         |           |            | 26675      | 1RB#0                       | 26.88                     | 22.67                        | 4.21      | 13.00      |
|         |           |            | 26675      | 8RB#4                       | 26.91                     | 21.83                        | 5.08      | 13.00      |
|         |           |            | 26675      | 8RB#0                       | 26.92                     | 21.82                        | 5.10      | 13.00      |
|         |           |            | 26675      | 8RB#7                       | 26.74                     | 21.70                        | 5.04      | 13.00      |
|         |           |            | 26675      | 15RB#0                      | 27.09                     | 21.67                        | 5.42      | 13.00      |
|         |           | 16QAM      | 26055      | 1RB#8                       | 27.41                     | 22.01                        | 5.40      | 13.00      |
|         |           |            | 26055      | 1RB#14                      | 27.47                     | 22.20                        | 5.27      | 13.00      |
|         |           |            | 26055      | 1RB#0                       | 27.57                     | 22.10                        | 5.47      | 13.00      |
|         |           |            | 26055      | 8RB#0                       | 27.05                     | 20.91                        | 6.14      | 13.00      |
|         |           |            | 26055      | 8RB#7                       | 27.08                     | 20.93                        | 6.15      | 13.00      |
|         |           |            | 26055      | 8RB#4                       | 27.01                     | 20.97                        | 6.04      | 13.00      |
|         |           |            | 26055      | 15RB#0                      | 27.26                     | 20.95                        | 6.31      | 13.00      |
|         |           |            | 26365      | 1RB#8                       | 26.98                     | 21.24                        | 5.74      | 13.00      |
|         |           |            | 26365      | 1RB#14                      | 26.82                     | 21.18                        | 5.64      | 13.00      |
|         |           |            | 26365      | 1RB#0                       | 26.83                     | 21.11                        | 5.72      | 13.00      |
|         |           |            | 26365      | 8RB#4                       | 26.36                     | 20.42                        | 5.94      | 13.00      |
|         |           |            | 26365      | 8RB#0                       | 26.43                     | 20.39                        | 6.04      | 13.00      |
|         |           |            | 26365      | 8RB#7                       | 26.46                     | 20.40                        | 6.06      | 13.00      |
|         |           |            | 26365      | 15RB#0                      | 26.99                     | 21.65                        | 5.34      | 13.00      |
|         |           |            | 26675      | 1RB#14                      | 27.13                     | 22.16                        | 4.97      | 13.00      |
|         |           |            | 26675      | 1RB#0                       | 26.86                     | 22.05                        | 4.81      | 13.00      |
|         |           |            | 26675      | 1RB#8                       | 26.66                     | 21.93                        | 4.73      | 13.00      |
|         |           |            | 26675      | 8RB#0                       | 27.07                     | 20.98                        | 6.09      | 13.00      |
|         |           |            | 26675      | 8RB#7                       | 26.93                     | 21.05                        | 5.88      | 13.00      |
|         |           |            | 26675      | 8RB#4                       | 26.92                     | 21.05                        | 5.87      | 13.00      |
|         |           |            | 26675      | 15RB#0                      | 27.15                     | 20.91                        | 6.24      | 13.00      |

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 27 von 107  
Page 27 of 107

| Band    | Bandwidth | Modulation | Channel No | RB Position & RB Allocation | Measured peak Power (dBm) | Measured Average Power (dBm) | PAPR (dB) | Limit (dB) |
|---------|-----------|------------|------------|-----------------------------|---------------------------|------------------------------|-----------|------------|
| Band 25 | 5MHz      | QPSK       | 26065      | 1RB#24                      | 27.24                     | 22.33                        | 4.91      | 13.00      |
|         |           |            | 26065      | 1RB#12                      | 27.34                     | 22.54                        | 4.80      | 13.00      |
|         |           |            | 26065      | 1RB#0                       | 27.38                     | 22.43                        | 4.95      | 13.00      |
|         |           |            | 26065      | 12RB#6                      | 27.07                     | 21.66                        | 5.41      | 13.00      |
|         |           |            | 26065      | 12RB#0                      | 27.84                     | 21.63                        | 6.21      | 13.00      |
|         |           |            | 26065      | 12RB#13                     | 26.85                     | 21.65                        | 5.20      | 13.00      |
|         |           |            | 26065      | 25RB#0                      | 27.33                     | 21.63                        | 5.70      | 13.00      |
|         |           |            | 26365      | 1RB#24                      | 27.13                     | 22.30                        | 4.83      | 13.00      |
|         |           |            | 26365      | 1RB#0                       | 27.23                     | 22.48                        | 4.75      | 13.00      |
|         |           |            | 26365      | 1RB#12                      | 26.99                     | 22.12                        | 4.87      | 13.00      |
|         |           |            | 26365      | 12RB#6                      | 26.69                     | 21.37                        | 5.32      | 13.00      |
|         |           |            | 26365      | 12RB#0                      | 26.65                     | 21.41                        | 5.24      | 13.00      |
|         |           |            | 26365      | 12RB#13                     | 26.72                     | 21.42                        | 5.30      | 13.00      |
|         |           |            | 26365      | 25RB#0                      | 27.15                     | 21.38                        | 5.77      | 13.00      |
|         |           |            | 26665      | 1RB#0                       | 27.08                     | 22.52                        | 4.56      | 13.00      |
|         |           |            | 26665      | 1RB#12                      | 27.05                     | 22.63                        | 4.42      | 13.00      |
|         |           |            | 26665      | 1RB#24                      | 26.90                     | 22.67                        | 4.23      | 13.00      |
|         |           |            | 26665      | 12RB#0                      | 26.85                     | 21.77                        | 5.08      | 13.00      |
|         |           |            | 26665      | 12RB#6                      | 26.67                     | 21.68                        | 4.99      | 13.00      |
|         |           |            | 26665      | 12RB#13                     | 26.64                     | 21.67                        | 4.97      | 13.00      |
|         |           |            | 26665      | 25RB#0                      | 27.40                     | 21.78                        | 5.62      | 13.00      |
|         |           | 16QAM      | 26065      | 1RB#0                       | 26.91                     | 20.92                        | 5.99      | 13.00      |
|         |           |            | 26065      | 1RB#12                      | 26.48                     | 21.02                        | 5.46      | 13.00      |
|         |           |            | 26065      | 1RB#24                      | 26.51                     | 20.89                        | 5.62      | 13.00      |
|         |           |            | 26065      | 12RB#13                     | 26.90                     | 20.63                        | 6.27      | 13.00      |
|         |           |            | 26065      | 12RB#0                      | 26.91                     | 20.68                        | 6.23      | 13.00      |
|         |           |            | 26065      | 12RB#6                      | 26.97                     | 20.70                        | 6.27      | 13.00      |
|         |           |            | 26065      | 25RB#0                      | 27.08                     | 20.72                        | 6.36      | 13.00      |
|         |           |            | 26365      | 1RB#0                       | 27.37                     | 21.80                        | 5.57      | 13.00      |
|         |           |            | 26365      | 1RB#12                      | 27.30                     | 21.83                        | 5.47      | 13.00      |
|         |           |            | 26365      | 1RB#24                      | 27.41                     | 21.38                        | 6.03      | 13.00      |
|         |           |            | 26365      | 12RB#0                      | 26.61                     | 20.37                        | 6.24      | 13.00      |
|         |           |            | 26365      | 12RB#13                     | 26.54                     | 20.36                        | 6.18      | 13.00      |
|         |           |            | 26365      | 12RB#6                      | 27.40                     | 20.31                        | 7.09      | 13.00      |
|         |           |            | 26365      | 25RB#0                      | 27.21                     | 20.20                        | 7.01      | 13.00      |
|         |           |            | 26665      | 1RB#0                       | 27.04                     | 21.51                        | 5.53      | 13.00      |
|         |           |            | 26665      | 1RB#24                      | 26.93                     | 21.45                        | 5.48      | 13.00      |
|         |           |            | 26665      | 1RB#12                      | 26.96                     | 21.52                        | 5.44      | 13.00      |
|         |           |            | 26665      | 12RB#0                      | 26.99                     | 20.84                        | 6.15      | 13.00      |
|         |           |            | 26665      | 12RB#6                      | 26.65                     | 20.58                        | 6.07      | 13.00      |
|         |           |            | 26665      | 12RB#13                     | 26.67                     | 20.75                        | 5.92      | 13.00      |
|         |           |            | 26665      | 25RB#0                      | 27.28                     | 20.93                        | 6.35      | 13.00      |

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 28 von 107  
Page 28 of 107

| Band    | Bandwidth | Modulation | Channel No | RB Position & RB Allocation | Measured peak Power (dBm) | Measured Average Power (dBm) | PAPR (dB) | Limit (dB) |
|---------|-----------|------------|------------|-----------------------------|---------------------------|------------------------------|-----------|------------|
| Band 25 | 10MHz     | QPSK       | 26090      | 1RB#0                       | 27.34                     | 22.42                        | 4.92      | 13.00      |
|         |           |            | 26090      | 1RB#24                      | 27.53                     | 22.61                        | 4.92      | 13.00      |
|         |           |            | 26090      | 1RB#49                      | 27.53                     | 22.69                        | 4.84      | 13.00      |
|         |           |            | 26090      | 25RB#12                     | 27.09                     | 21.74                        | 5.35      | 13.00      |
|         |           |            | 26090      | 25RB#0                      | 27.01                     | 21.66                        | 5.35      | 13.00      |
|         |           |            | 26090      | 25RB#25                     | 26.97                     | 21.71                        | 5.26      | 13.00      |
|         |           |            | 26090      | 50RB#0                      | 27.92                     | 21.74                        | 6.18      | 13.00      |
|         |           |            | 26365      | 1RB#49                      | 27.25                     | 22.38                        | 4.87      | 13.00      |
|         |           |            | 26365      | 1RB#0                       | 27.58                     | 22.68                        | 4.90      | 13.00      |
|         |           |            | 26365      | 1RB#24                      | 27.34                     | 22.51                        | 4.83      | 13.00      |
|         |           |            | 26365      | 25RB#0                      | 26.81                     | 21.39                        | 5.42      | 13.00      |
|         |           |            | 26365      | 25RB#12                     | 26.91                     | 21.48                        | 5.43      | 13.00      |
|         |           |            | 26365      | 25RB#25                     | 26.83                     | 21.48                        | 5.35      | 13.00      |
|         |           |            | 26365      | 50RB#0                      | 27.64                     | 21.44                        | 6.20      | 13.00      |
|         |           |            | 26640      | 1RB#24                      | 27.03                     | 22.26                        | 4.77      | 13.00      |
|         |           |            | 26640      | 1RB#49                      | 27.14                     | 22.60                        | 4.54      | 13.00      |
|         |           |            | 26640      | 1RB#0                       | 26.57                     | 21.99                        | 4.58      | 13.00      |
|         |           |            | 26640      | 25RB#0                      | 27.00                     | 21.80                        | 5.20      | 13.00      |
|         |           |            | 26640      | 25RB#25                     | 26.85                     | 21.81                        | 5.04      | 13.00      |
|         |           |            | 26640      | 25RB#12                     | 26.87                     | 21.88                        | 4.99      | 13.00      |
|         |           |            | 26640      | 50RB#0                      | 27.53                     | 21.86                        | 5.67      | 13.00      |
|         |           | 16QAM      | 26090      | 1RB#24                      | 27.44                     | 22.12                        | 5.32      | 13.00      |
|         |           |            | 26090      | 1RB#49                      | 27.44                     | 22.17                        | 5.27      | 13.00      |
|         |           |            | 26090      | 1RB#0                       | 27.63                     | 22.25                        | 5.38      | 13.00      |
|         |           |            | 26090      | 25RB#0                      | 26.91                     | 20.56                        | 6.35      | 13.00      |
|         |           |            | 26090      | 25RB#12                     | 26.86                     | 20.57                        | 6.29      | 13.00      |
|         |           |            | 26090      | 25RB#25                     | 26.90                     | 20.58                        | 6.32      | 13.00      |
|         |           |            | 26090      | 50RB#0                      | 27.51                     | 20.70                        | 6.81      | 13.00      |
|         |           |            | 26365      | 1RB#49                      | 27.03                     | 21.24                        | 5.79      | 13.00      |
|         |           |            | 26365      | 1RB#0                       | 27.05                     | 21.32                        | 5.73      | 13.00      |
|         |           |            | 26365      | 1RB#24                      | 27.16                     | 21.48                        | 5.68      | 13.00      |
|         |           |            | 26365      | 25RB#25                     | 26.90                     | 20.58                        | 6.32      | 13.00      |
|         |           |            | 26365      | 25RB#12                     | 26.88                     | 20.68                        | 6.20      | 13.00      |
|         |           |            | 26365      | 25RB#0                      | 26.87                     | 20.67                        | 6.20      | 13.00      |
|         |           |            | 26365      | 50RB#0                      | 26.94                     | 20.37                        | 6.57      | 13.00      |
|         |           |            | 26640      | 1RB#24                      | 27.41                     | 22.17                        | 5.24      | 13.00      |
|         |           |            | 26640      | 1RB#49                      | 27.21                     | 22.20                        | 5.01      | 13.00      |
|         |           |            | 26640      | 1RB#0                       | 26.67                     | 21.63                        | 5.04      | 13.00      |
|         |           |            | 26640      | 25RB#25                     | 26.94                     | 20.97                        | 5.97      | 13.00      |
|         |           |            | 26640      | 25RB#12                     | 26.96                     | 21.03                        | 5.93      | 13.00      |
|         |           |            | 26640      | 25RB#0                      | 26.97                     | 20.84                        | 6.13      | 13.00      |
|         |           |            | 26640      | 50RB#0                      | 27.38                     | 20.95                        | 6.43      | 13.00      |

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 29 von 107  
Page 29 of 107

| Band    | Bandwidth | Modulation | Channel No | RB Position & RB Allocation | Measured peak Power (dBm) | Measured Average Power (dBm) | PAPR (dB) | Limit (dB) |
|---------|-----------|------------|------------|-----------------------------|---------------------------|------------------------------|-----------|------------|
| Band 25 | 15MHz     | QPSK       | 26115      | 1RB#74                      | 27.30                     | 22.48                        | 4.82      | 13.00      |
|         |           |            | 26115      | 1RB#0                       | 27.60                     | 22.56                        | 5.04      | 13.00      |
|         |           |            | 26115      | 1RB#38                      | 27.47                     | 22.60                        | 4.87      | 13.00      |
|         |           |            | 26115      | 36RB#39                     | 26.99                     | 21.70                        | 5.29      | 13.00      |
|         |           |            | 26115      | 36RB#18                     | 27.19                     | 21.83                        | 5.36      | 13.00      |
|         |           |            | 26115      | 36RB#0                      | 27.01                     | 21.70                        | 5.31      | 13.00      |
|         |           |            | 26115      | 75RB#0                      | 27.48                     | 21.67                        | 5.81      | 13.00      |
|         |           |            | 26365      | 1RB#74                      | 27.21                     | 21.48                        | 5.73      | 13.00      |
|         |           |            | 26365      | 1RB#38                      | 27.48                     | 22.62                        | 4.86      | 13.00      |
|         |           |            | 26365      | 1RB#0                       | 27.45                     | 22.60                        | 4.85      | 13.00      |
|         |           |            | 26365      | 36RB#0                      | 26.73                     | 21.44                        | 5.29      | 13.00      |
|         |           |            | 26365      | 36RB#39                     | 26.89                     | 21.57                        | 5.32      | 13.00      |
|         |           |            | 26365      | 36RB#18                     | 26.88                     | 21.57                        | 5.31      | 13.00      |
|         |           |            | 26365      | 75RB#0                      | 27.32                     | 21.55                        | 5.77      | 13.00      |
|         |           |            | 26615      | 1RB#74                      | 27.23                     | 22.67                        | 4.56      | 13.00      |
|         |           |            | 26615      | 1RB#38                      | 27.08                     | 22.64                        | 4.44      | 13.00      |
|         |           |            | 26615      | 1RB#0                       | 26.00                     | 21.60                        | 4.40      | 13.00      |
|         |           |            | 26615      | 36RB#18                     | 27.05                     | 21.91                        | 5.14      | 13.00      |
|         |           |            | 26615      | 36RB#0                      | 26.99                     | 21.99                        | 5.00      | 13.00      |
|         |           |            | 26615      | 36RB#39                     | 27.01                     | 21.83                        | 5.18      | 13.00      |
|         |           |            | 26615      | 75RB#0                      | 27.33                     | 21.79                        | 5.54      | 13.00      |
|         |           | 16QAM      | 26115      | 1RB#0                       | 27.56                     | 22.29                        | 5.27      | 13.00      |
|         |           |            | 26115      | 1RB#74                      | 27.46                     | 22.14                        | 5.32      | 13.00      |
|         |           |            | 26115      | 1RB#38                      | 27.42                     | 22.30                        | 5.12      | 13.00      |
|         |           |            | 26115      | 36RB#0                      | 27.06                     | 20.78                        | 6.28      | 13.00      |
|         |           |            | 26115      | 36RB#39                     | 27.14                     | 20.83                        | 6.31      | 13.00      |
|         |           |            | 26115      | 36RB#18                     | 27.19                     | 20.83                        | 6.36      | 13.00      |
|         |           |            | 26115      | 75RB#0                      | 27.60                     | 20.82                        | 6.78      | 13.00      |
|         |           |            | 26365      | 1RB#38                      | 27.14                     | 21.78                        | 5.36      | 13.00      |
|         |           |            | 26365      | 1RB#74                      | 27.20                     | 21.92                        | 5.28      | 13.00      |
|         |           |            | 26365      | 1RB#0                       | 27.40                     | 22.10                        | 5.30      | 13.00      |
|         |           |            | 26365      | 36RB#18                     | 26.74                     | 20.47                        | 6.27      | 13.00      |
|         |           |            | 26365      | 36RB#0                      | 26.97                     | 20.73                        | 6.24      | 13.00      |
|         |           |            | 26365      | 36RB#39                     | 27.07                     | 20.71                        | 6.36      | 13.00      |
|         |           |            | 26365      | 75RB#0                      | 27.29                     | 20.59                        | 6.70      | 13.00      |
|         |           |            | 26615      | 1RB#74                      | 27.36                     | 22.09                        | 5.27      | 13.00      |
|         |           |            | 26615      | 1RB#0                       | 27.10                     | 22.07                        | 5.03      | 13.00      |
|         |           |            | 26615      | 1RB#38                      | 26.20                     | 21.11                        | 5.09      | 13.00      |
|         |           |            | 26615      | 36RB#0                      | 27.09                     | 20.84                        | 6.25      | 13.00      |
|         |           |            | 26615      | 36RB#39                     | 27.04                     | 20.93                        | 6.11      | 13.00      |
|         |           |            | 26615      | 36RB#18                     | 27.02                     | 21.08                        | 5.94      | 13.00      |
|         |           |            | 26615      | 75RB#0                      | 27.39                     | 20.86                        | 6.53      | 13.00      |

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 30 von 107  
Page 30 of 107

| Band    | Bandwidth | Modulation | Channel No | RB Position & RB Allocation | Measured peak Power (dBm) | Measured Average Power (dBm) | PAPR (dB) | Limit (dB) |
|---------|-----------|------------|------------|-----------------------------|---------------------------|------------------------------|-----------|------------|
| Band 25 | 20MHz     | QPSK       | 26140      | 1RB#99                      | 27.49                     | 22.67                        | 4.82      | 13.00      |
|         |           |            | 26140      | 1RB#49                      | 27.76                     | 22.96                        | 4.80      | 13.00      |
|         |           |            | 26140      | 1RB#0                       | 27.41                     | 22.57                        | 4.84      | 13.00      |
|         |           |            | 26140      | 50RB#25                     | 27.05                     | 21.67                        | 5.38      | 13.00      |
|         |           |            | 26140      | 50RB#0                      | 27.04                     | 21.65                        | 5.39      | 13.00      |
|         |           |            | 26140      | 50RB#50                     | 27.03                     | 21.64                        | 5.39      | 13.00      |
|         |           |            | 26140      | 100RB#0                     | 27.77                     | 21.60                        | 6.17      | 13.00      |
|         |           |            | 26365      | 1RB#99                      | 27.33                     | 22.36                        | 4.97      | 13.00      |
|         |           |            | 26365      | 1RB#0                       | 27.43                     | 22.63                        | 4.80      | 13.00      |
|         |           |            | 26365      | 1RB#49                      | 27.29                     | 22.37                        | 4.92      | 13.00      |
|         |           |            | 26365      | 50RB#25                     | 26.75                     | 21.43                        | 5.32      | 13.00      |
|         |           |            | 26365      | 50RB#0                      | 27.02                     | 21.61                        | 5.41      | 13.00      |
|         |           |            | 26365      | 50RB#50                     | 26.88                     | 21.58                        | 5.30      | 13.00      |
|         |           |            | 26365      | 100RB#0                     | 26.66                     | 21.42                        | 5.24      | 13.00      |
|         |           |            | 26590      | 1RB#0                       | 27.52                     | 22.67                        | 4.85      | 13.00      |
|         |           |            | 26590      | 1RB#49                      | 27.65                     | 22.93                        | 4.72      | 13.00      |
|         |           |            | 26590      | 1RB#99                      | 26.25                     | 21.54                        | 4.71      | 13.00      |
|         |           |            | 26590      | 50RB#0                      | 27.40                     | 21.85                        | 5.55      | 13.00      |
|         |           |            | 26590      | 50RB#25                     | 27.04                     | 21.87                        | 5.17      | 13.00      |
|         |           |            | 26590      | 50RB#50                     | 27.07                     | 21.86                        | 5.21      | 13.00      |
|         |           |            | 26590      | 100RB#0                     | 27.30                     | 21.76                        | 5.54      | 13.00      |
|         |           | 16QAM      | 26140      | 1RB#0                       | 26.74                     | 21.10                        | 5.64      | 13.00      |
|         |           |            | 26140      | 1RB#49                      | 27.00                     | 21.37                        | 5.63      | 13.00      |
|         |           |            | 26140      | 1RB#99                      | 26.90                     | 21.21                        | 5.69      | 13.00      |
|         |           |            | 26140      | 50RB#50                     | 27.11                     | 20.62                        | 6.49      | 13.00      |
|         |           |            | 26140      | 50RB#0                      | 27.00                     | 20.67                        | 6.33      | 13.00      |
|         |           |            | 26140      | 50RB#25                     | 27.11                     | 20.68                        | 6.43      | 13.00      |
|         |           |            | 26140      | 100RB#0                     | 27.68                     | 20.54                        | 7.14      | 13.00      |
|         |           |            | 26365      | 1RB#0                       | 27.22                     | 21.63                        | 5.59      | 13.00      |
|         |           |            | 26365      | 1RB#49                      | 27.76                     | 22.23                        | 5.53      | 13.00      |
|         |           |            | 26365      | 1RB#99                      | 27.41                     | 21.85                        | 5.56      | 13.00      |
|         |           |            | 26365      | 50RB#0                      | 26.93                     | 20.54                        | 6.39      | 13.00      |
|         |           |            | 26365      | 50RB#50                     | 27.12                     | 20.77                        | 6.35      | 13.00      |
|         |           |            | 26365      | 50RB#25                     | 26.95                     | 20.48                        | 6.47      | 13.00      |
|         |           |            | 26365      | 100RB#0                     | 27.86                     | 20.61                        | 7.25      | 13.00      |
|         |           |            | 26590      | 1RB#0                       | 27.65                     | 22.47                        | 5.18      | 13.00      |
|         |           |            | 26590      | 1RB#99                      | 28.23                     | 23.27                        | 4.96      | 13.00      |
|         |           |            | 26590      | 1RB#49                      | 26.31                     | 21.18                        | 5.13      | 13.00      |
|         |           |            | 26590      | 50RB#0                      | 27.50                     | 20.93                        | 6.57      | 13.00      |
|         |           |            | 26590      | 50RB#25                     | 27.20                     | 21.01                        | 6.19      | 13.00      |
|         |           |            | 26590      | 50RB#50                     | 27.17                     | 21.00                        | 6.17      | 13.00      |
|         |           |            | 26590      | 100RB#0                     | 27.44                     | 20.97                        | 6.47      | 13.00      |

**Prüfbericht - Nr.:**

Test Report No.:

**IN258K1F 001**

Seite 31 von 107

Page 31 of 107

**Test Results for WCDMA Band 2:**

| Mode           | Channel Frequency (MHz) | Measured Average Power (dBm) | Measured Peak Power (dBm) | PAPR (dB) | Limit PAPR (dB) |
|----------------|-------------------------|------------------------------|---------------------------|-----------|-----------------|
| WCDMA          | 1852.40                 | 22.82                        | 27.93                     | 5.11      | 13.00           |
|                | 1880.00                 | 22.41                        | 28.03                     | 5.62      | 13.00           |
|                | 1907.60                 | 22.81                        | 28.46                     | 5.65      | 13.00           |
| HSDPA Subtest1 | 1852.40                 | 23.86                        | 29.18                     | 5.32      | 13.00           |
|                | 1880.00                 | 23.72                        | 29.15                     | 5.43      | 13.00           |
|                | 1907.60                 | 23.07                        | 28.38                     | 5.31      | 13.00           |
| HSDPA Subtest2 | 1852.40                 | 22.15                        | 26.59                     | 4.44      | 13.00           |
|                | 1880.00                 | 21.66                        | 25.33                     | 3.67      | 13.00           |
|                | 1907.60                 | 21.96                        | 26.38                     | 4.42      | 13.00           |
| HSDPA Subtest3 | 1852.40                 | 21.70                        | 26.24                     | 4.54      | 13.00           |
|                | 1880.00                 | 21.61                        | 25.72                     | 4.11      | 13.00           |
|                | 1907.60                 | 20.89                        | 27.32                     | 6.43      | 13.00           |
| HSDPA Subtest4 | 1852.40                 | 22.24                        | 27.67                     | 5.43      | 13.00           |
|                | 1880.00                 | 22.28                        | 27.4                      | 5.12      | 13.00           |
|                | 1907.60                 | 21.32                        | 27.45                     | 6.13      | 13.00           |
| HSUPA Subtest1 | 1852.40                 | 21.93                        | 26.48                     | 4.55      | 13.00           |
|                | 1880.00                 | 22.70                        | 29.47                     | 6.77      | 13.00           |
|                | 1907.60                 | 22.37                        | 26.59                     | 4.22      | 13.00           |
| HSUPA Subtest2 | 1852.40                 | 21.56                        | 28.19                     | 6.63      | 13.00           |
|                | 1880.00                 | 21.22                        | 30.54                     | 9.32      | 13.00           |
|                | 1907.60                 | 20.74                        | 25.28                     | 4.54      | 13.00           |
| HSUPA Subtest3 | 1852.40                 | 21.61                        | 28.93                     | 7.32      | 13.00           |
|                | 1880.00                 | 21.65                        | 26.97                     | 5.32      | 13.00           |
|                | 1907.60                 | 21.75                        | 28.28                     | 6.53      | 13.00           |
| HSUPA Subtest4 | 1852.40                 | 22.12                        | 28.78                     | 6.66      | 13.00           |
|                | 1880.00                 | 21.17                        | 29.88                     | 8.71      | 13.00           |
|                | 1907.60                 | 21.14                        | 26.49                     | 5.35      | 13.00           |

**Prüfbericht - Nr.:**

Test Report No.:

**IN258K1F 001**

Seite 32 von 107

Page 32 of 107

**Test Results for GSM 1900MHz:**

| Mode                 | Frequency (MHz) | Measured Average power (dBm) | Measured Peak Power (dBm) | PAPR (dB) | Limit PAPR (dB) |
|----------------------|-----------------|------------------------------|---------------------------|-----------|-----------------|
| GPRS (GMSK, 1-slot)  | 1850.20         | 30.53                        | 32.66                     | 2.13      | 13.00           |
|                      | 1880.00         | 30.51                        | 33.64                     | 3.13      | 13.00           |
|                      | 1909.80         | 29.8                         | 32.33                     | 2.53      | 13.00           |
| GPRS (GMSK, 2-slot)  | 1850.20         | 30.16                        | 34.38                     | 4.22      | 13.00           |
|                      | 1880.00         | 29.54                        | 34.1                      | 4.56      | 13.00           |
|                      | 1909.80         | 30.49                        | 36.16                     | 5.67      | 13.00           |
| GPRS (GMSK, 3-slot)  | 1850.20         | 28.03                        | 32.24                     | 4.21      | 13.00           |
|                      | 1880.00         | 27.87                        | 34.59                     | 6.72      | 13.00           |
|                      | 1909.80         | 28.11                        | 35.84                     | 7.73      | 13.00           |
| GPRS (GMSK, 4-slot)  | 1850.20         | 26.46                        | 32.13                     | 5.67      | 13.00           |
|                      | 1880.00         | 26.67                        | 34.99                     | 8.32      | 13.00           |
|                      | 1909.80         | 26.66                        | 34.43                     | 7.77      | 13.00           |
| EGPRS (8PSK, 1-slot) | 1850.20         | 26.49                        | 36.31                     | 9.82      | 13.00           |
|                      | 1880.00         | 27.08                        | 30.41                     | 3.33      | 13.00           |
|                      | 1909.80         | 27.26                        | 31.37                     | 4.11      | 13.00           |
| EGPRS (8PSK, 2-slot) | 1850.20         | 26.27                        | 34.15                     | 7.88      | 13.00           |
|                      | 1880.00         | 26.12                        | 35.34                     | 9.22      | 13.00           |
|                      | 1909.80         | 25.49                        | 35.48                     | 9.99      | 13.00           |
| EGPRS (8PSK, 3-slot) | 1850.20         | 23.51                        | 33.35                     | 9.84      | 13.00           |
|                      | 1880.00         | 23.46                        | 32.68                     | 9.22      | 13.00           |
|                      | 1909.80         | 23.69                        | 33.52                     | 9.83      | 13.00           |
| EGPRS (8PSK, 4-slot) | 1850.20         | 22.66                        | 32.29                     | 9.63      | 13.00           |
|                      | 1880.00         | 22.24                        | 32.22                     | 9.98      | 13.00           |
|                      | 1909.80         | 22.8                         | 32.14                     | 9.34      | 13.00           |

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 33 von 107  
Page 33 of 107

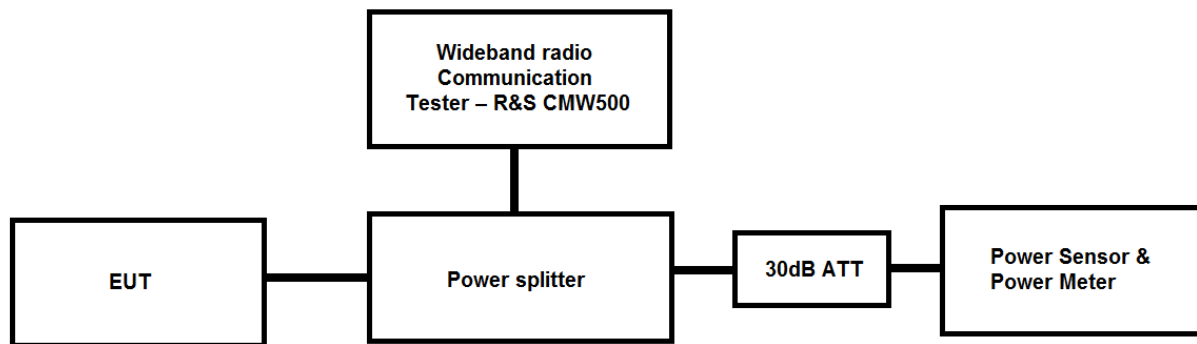
## 7.2 EFFECTIVE (ISOTROPIC) RADIATED POWER

**Result**

**Pass**

|                         |                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------|
| Specification           | FCC Part §2.1046 & §24.232<br>RSS-Gen, §6.12, RSS-133, §5.5<br>ANSI C63.26-2015         |
| Test Method / Procedure | As per subclause 5 in 971168 D01 Power Meas License Digital Systems v03r01              |
| Detector Function       | Average                                                                                 |
| Requirement             | The EIRP of mobile transmitters and auxiliary test transmitters must not exceed 2 watts |

### Test Setup:



### Environmental Conditions:

**Temperature:** +22.5°C

**Voltage:** 12VDC through AC-DC Adapter

**Relative Humidity:** 62%

### KDB Guidelines applied:

Measurements were made as per section 5.2.4 in KDB 971168 D01 Power Meas License Digital Systems v03r01

**Prüfbericht - Nr.:**

Test Report No.:

**IN258K1F 001**

Seite 34 von 107

Page 34 of 107

**Test Results:**

**Note:**

1. All the losses are included during measurement and final values are mentioned in the test report.
2. Total Average Output power (dBm) = Measured Average power (dBm) + Attenuator factor (30dB) + Power Splitter (3.3 dB) + Cable loss (1dB)
3. For getting the EIRP(Equivalent Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP (dBm) = Conducted power (dBm) + Antenna gain (dBd)

EIRP (dBm) = Conducted power (dBm) + Antenna gain (dBi)

| Band  | Bandwidth | Modulation | Channel No | RB Position & RB Allocation | Conducted Average Output Power (dBm) | EIRP (dBm) | limit (dBm) |
|-------|-----------|------------|------------|-----------------------------|--------------------------------------|------------|-------------|
| Band2 | 1.4MHz    | QPSK       | 18607      | 1RB#0                       | 22.40                                | 24.27      | 33.00       |
|       |           |            | 18607      | 1RB#2                       | 22.56                                | 24.43      | 33.00       |
|       |           |            | 18607      | 1RB#5                       | 22.35                                | 24.22      | 33.00       |
|       |           |            | 18607      | 3RB#1                       | 22.63                                | 24.50      | 33.00       |
|       |           |            | 18607      | 3RB#0                       | 22.59                                | 24.46      | 33.00       |
|       |           |            | 18607      | 3RB#3                       | 22.69                                | 24.56      | 33.00       |
|       |           |            | 18607      | 6RB#0                       | 21.69                                | 23.56      | 33.00       |
|       |           |            | 18900      | 1RB#5                       | 22.23                                | 24.10      | 33.00       |
|       |           |            | 18900      | 1RB#0                       | 22.36                                | 24.23      | 33.00       |
|       |           |            | 18900      | 1RB#2                       | 22.30                                | 24.17      | 33.00       |
|       |           |            | 18900      | 3RB#0                       | 22.39                                | 24.26      | 33.00       |
|       |           |            | 18900      | 3RB#1                       | 22.32                                | 24.19      | 33.00       |
|       |           |            | 18900      | 3RB#3                       | 22.40                                | 24.27      | 33.00       |
|       |           |            | 18900      | 6RB#0                       | 21.37                                | 23.24      | 33.00       |
|       |           |            | 19193      | 1RB#2                       | 22.70                                | 24.57      | 33.00       |
|       |           |            | 19193      | 1RB#5                       | 22.59                                | 24.46      | 33.00       |
|       |           |            | 19193      | 1RB#0                       | 22.30                                | 24.17      | 33.00       |
|       |           |            | 19193      | 3RB#0                       | 22.78                                | 24.65      | 33.00       |
|       |           |            | 19193      | 3RB#3                       | 22.86                                | 24.73      | 33.00       |
|       |           |            | 19193      | 3RB#1                       | 22.82                                | 24.69      | 33.00       |
|       |           |            | 19193      | 6RB#0                       | 21.93                                | 23.80      | 33.00       |
|       |           | 16QAM      | 18607      | 1RB#2                       | 21.20                                | 23.07      | 33.00       |
|       |           |            | 18607      | 1RB#5                       | 22.01                                | 23.88      | 33.00       |
|       |           |            | 18607      | 1RB#0                       | 21.80                                | 23.67      | 33.00       |
|       |           |            | 18607      | 3RB#0                       | 21.72                                | 23.59      | 33.00       |
|       |           |            | 18607      | 3RB#1                       | 21.70                                | 23.57      | 33.00       |
|       |           |            | 18607      | 3RB#0                       | 21.79                                | 23.66      | 33.00       |
|       |           |            | 18607      | 3RB#1                       | 21.80                                | 23.67      | 33.00       |
|       |           |            | 18607      | 3RB#3                       | 21.90                                | 23.77      | 33.00       |
|       |           |            | 18607      | 6RB#0                       | 20.75                                | 22.62      | 33.00       |
|       |           |            | 18900      | 1RB#5                       | 21.79                                | 23.66      | 33.00       |
|       |           |            | 18900      | 1RB#0                       | 21.96                                | 23.83      | 33.00       |
|       |           |            | 18900      | 1RB#2                       | 21.91                                | 23.78      | 33.00       |
|       |           |            | 18900      | 3RB#3                       | 21.27                                | 23.14      | 33.00       |
|       |           |            | 18900      | 3RB#1                       | 21.23                                | 23.10      | 33.00       |
|       |           |            | 18900      | 3RB#0                       | 21.25                                | 23.12      | 33.00       |
|       |           |            | 18900      | 6RB#0                       | 20.35                                | 22.22      | 33.00       |
|       |           |            | 19193      | 1RB#2                       | 21.85                                | 23.72      | 33.00       |
|       |           |            | 19193      | 1RB#5                       | 21.83                                | 23.70      | 33.00       |
|       |           |            | 19193      | 1RB#0                       | 21.71                                | 23.58      | 33.00       |
|       |           |            | 19193      | 3RB#3                       | 21.94                                | 23.81      | 33.00       |
|       |           |            | 19193      | 3RB#1                       | 21.99                                | 23.86      | 33.00       |
|       |           |            | 19193      | 3RB#0                       | 22.01                                | 23.88      | 33.00       |
|       |           |            | 19193      | 6RB#0                       | 20.97                                | 22.84      | 33.00       |

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 35 von 107  
Page 35 of 107

| Band  | Bandwidth | Modulation | Channel No | RB Position & RB Allocation | Conducted Average Output Power (dBm) | EIRP (dBm) | limit (dBm) |
|-------|-----------|------------|------------|-----------------------------|--------------------------------------|------------|-------------|
| Band2 | 3MHz      | QPSK       | 18615      | 1RB#14                      | 21.74                                | 23.61      | 33.00       |
|       |           |            | 18615      | 1RB#0                       | 22.42                                | 24.29      | 33.00       |
|       |           |            | 18615      | 1RB#8                       | 22.41                                | 24.28      | 33.00       |
|       |           |            | 18615      | 8RB#7                       | 21.67                                | 23.54      | 33.00       |
|       |           |            | 18615      | 8RB#4                       | 21.64                                | 23.51      | 33.00       |
|       |           |            | 18615      | 8RB#0                       | 21.64                                | 23.51      | 33.00       |
|       |           |            | 18615      | 15RB#0                      | 21.71                                | 23.58      | 33.00       |
|       |           |            | 18900      | 1RB#14                      | 22.41                                | 24.28      | 33.00       |
|       |           |            | 18900      | 1RB#8                       | 22.33                                | 24.20      | 33.00       |
|       |           |            | 18900      | 1RB#0                       | 22.36                                | 24.23      | 33.00       |
|       |           |            | 18900      | 8RB#7                       | 21.30                                | 23.17      | 33.00       |
|       |           |            | 18900      | 8RB#0                       | 21.29                                | 23.16      | 33.00       |
|       |           |            | 18900      | 8RB#4                       | 21.23                                | 23.10      | 33.00       |
|       |           |            | 18900      | 15RB#0                      | 21.23                                | 23.10      | 33.00       |
|       |           |            | 19185      | 1RB#14                      | 22.46                                | 24.33      | 33.00       |
|       |           |            | 19185      | 1RB#8                       | 22.44                                | 24.31      | 33.00       |
|       |           |            | 19185      | 1RB#0                       | 22.72                                | 24.59      | 33.00       |
|       |           |            | 19185      | 8RB#4                       | 22.28                                | 24.15      | 33.00       |
|       |           |            | 19185      | 8RB#0                       | 21.92                                | 23.79      | 33.00       |
|       |           |            | 19185      | 8RB#7                       | 21.89                                | 23.76      | 33.00       |
|       |           |            | 19185      | 15RB#0                      | 21.84                                | 23.71      | 33.00       |
|       | 3MHz      | 16QAM      | 18615      | 1RB#8                       | 22.12                                | 23.99      | 33.00       |
|       |           |            | 18615      | 1RB#14                      | 22.10                                | 23.97      | 33.00       |
|       |           |            | 18615      | 1RB#0                       | 22.16                                | 24.03      | 33.00       |
|       |           |            | 18615      | 8RB#0                       | 20.63                                | 22.50      | 33.00       |
|       |           |            | 18615      | 8RB#7                       | 20.69                                | 22.56      | 33.00       |
|       |           |            | 18615      | 8RB#4                       | 20.69                                | 22.56      | 33.00       |
|       |           |            | 18615      | 15RB#0                      | 20.68                                | 22.55      | 33.00       |
|       |           |            | 18900      | 1RB#8                       | 21.16                                | 23.03      | 33.00       |
|       |           |            | 18900      | 1RB#14                      | 21.11                                | 22.98      | 33.00       |
|       |           |            | 18900      | 1RB#0                       | 21.17                                | 23.04      | 33.00       |
|       |           |            | 18900      | 8RB#4                       | 20.29                                | 22.16      | 33.00       |
|       |           |            | 18900      | 8RB#0                       | 20.22                                | 22.09      | 33.00       |
|       |           |            | 18900      | 8RB#7                       | 20.25                                | 22.12      | 33.00       |
|       |           |            | 18900      | 15RB#0                      | 20.39                                | 22.26      | 33.00       |
|       |           |            | 19185      | 1RB#14                      | 22.23                                | 24.10      | 33.00       |
|       |           |            | 19185      | 1RB#0                       | 22.10                                | 23.97      | 33.00       |
|       |           |            | 19185      | 1RB#8                       | 22.07                                | 23.94      | 33.00       |
|       |           |            | 19185      | 8RB#0                       | 21.09                                | 22.96      | 33.00       |
|       |           |            | 19185      | 8RB#7                       | 21.08                                | 22.95      | 33.00       |
|       |           |            | 19185      | 8RB#4                       | 21.26                                | 23.13      | 33.00       |
|       |           |            | 19185      | 15RB#0                      | 21.08                                | 22.95      | 33.00       |

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 36 von 107  
Page 36 of 107

| Band  | Bandwidth | Modulation | Channel No | RB Position & RB Allocation | Conducted Average Output Power (dBm) | EIRP (dBm) | limit (dBm) |
|-------|-----------|------------|------------|-----------------------------|--------------------------------------|------------|-------------|
| Band2 | 5MHz      | QPSK       | 18625      | 1RB#24                      | 22.59                                | 24.46      | 33.00       |
|       |           |            | 18625      | 1RB#12                      | 22.70                                | 24.57      | 33.00       |
|       |           |            | 18625      | 1RB#0                       | 22.28                                | 24.15      | 33.00       |
|       |           |            | 18625      | 12RB#6                      | 21.73                                | 23.60      | 33.00       |
|       |           |            | 18625      | 12RB#0                      | 21.61                                | 23.48      | 33.00       |
|       |           |            | 18625      | 12RB#13                     | 21.61                                | 23.48      | 33.00       |
|       |           |            | 18625      | 25RB#0                      | 21.73                                | 23.60      | 33.00       |
|       |           |            | 18900      | 1RB#24                      | 22.35                                | 24.22      | 33.00       |
|       |           |            | 18900      | 1RB#0                       | 22.41                                | 24.28      | 33.00       |
|       |           |            | 18900      | 1RB#12                      | 22.45                                | 24.32      | 33.00       |
|       |           |            | 18900      | 12RB#6                      | 21.31                                | 23.18      | 33.00       |
|       |           |            | 18900      | 12RB#0                      | 21.32                                | 23.19      | 33.00       |
|       |           |            | 18900      | 12RB#13                     | 21.33                                | 23.20      | 33.00       |
|       |           |            | 18900      | 25RB#0                      | 21.34                                | 23.21      | 33.00       |
|       |           |            | 19175      | 1RB#0                       | 22.63                                | 24.50      | 33.00       |
|       |           |            | 19175      | 1RB#12                      | 22.50                                | 24.37      | 33.00       |
|       |           |            | 19175      | 1RB#24                      | 22.44                                | 24.31      | 33.00       |
|       |           |            | 19175      | 12RB#0                      | 21.86                                | 23.73      | 33.00       |
|       |           |            | 19175      | 12RB#6                      | 21.77                                | 23.64      | 33.00       |
|       |           |            | 19175      | 12RB#13                     | 21.78                                | 23.65      | 33.00       |
|       |           |            | 19175      | 25RB#0                      | 21.83                                | 23.70      | 33.00       |
|       | 5MHz      | 16QAM      | 18625      | 1RB#0                       | 21.50                                | 23.37      | 33.00       |
|       |           |            | 18625      | 1RB#12                      | 21.55                                | 23.42      | 33.00       |
|       |           |            | 18625      | 1RB#24                      | 21.95                                | 23.82      | 33.00       |
|       |           |            | 18625      | 12RB#13                     | 20.54                                | 22.41      | 33.00       |
|       |           |            | 18625      | 12RB#0                      | 20.42                                | 22.29      | 33.00       |
|       |           |            | 18625      | 12RB#6                      | 20.41                                | 22.28      | 33.00       |
|       |           |            | 18625      | 25RB#0                      | 20.67                                | 22.54      | 33.00       |
|       |           |            | 18900      | 1RB#0                       | 20.99                                | 22.86      | 33.00       |
|       |           |            | 18900      | 1RB#12                      | 21.06                                | 22.93      | 33.00       |
|       |           |            | 18900      | 1RB#24                      | 21.24                                | 23.11      | 33.00       |
|       |           |            | 18900      | 12RB#0                      | 20.27                                | 22.14      | 33.00       |
|       |           |            | 18900      | 12RB#13                     | 21.59                                | 23.46      | 33.00       |
|       |           |            | 18900      | 12RB#6                      | 20.39                                | 22.26      | 33.00       |
|       |           |            | 18900      | 25RB#0                      | 20.44                                | 22.31      | 33.00       |
|       |           |            | 19175      | 1RB#0                       | 21.11                                | 22.98      | 33.00       |
|       |           |            | 19175      | 1RB#24                      | 21.24                                | 23.11      | 33.00       |
|       |           |            | 19175      | 1RB#12                      | 21.18                                | 23.05      | 33.00       |
|       |           |            | 19175      | 12RB#0                      | 20.80                                | 22.67      | 33.00       |
|       |           |            | 19175      | 12RB#6                      | 20.96                                | 22.83      | 33.00       |
|       |           |            | 19175      | 12RB#13                     | 20.88                                | 22.75      | 33.00       |
|       |           |            | 19175      | 25RB#0                      | 21.06                                | 22.93      | 33.00       |

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 37 von 107  
Page 37 of 107

| Band  | Bandwidth | Modulation | Channel No | RB Position & RB Allocation | Conducted Average Output Power (dBm) | EIRP (dBm) | limit (dBm) |
|-------|-----------|------------|------------|-----------------------------|--------------------------------------|------------|-------------|
| Band2 | 10MHz     | QPSK       | 18650      | 1RB#0                       | 22.48                                | 24.35      | 33.00       |
|       |           |            | 18650      | 1RB#24                      | 22.58                                | 24.45      | 33.00       |
|       |           |            | 18650      | 1RB#49                      | 22.65                                | 24.52      | 33.00       |
|       |           |            | 18650      | 25RB#12                     | 21.81                                | 23.68      | 33.00       |
|       |           |            | 18650      | 25RB#0                      | 21.83                                | 23.70      | 33.00       |
|       |           |            | 18650      | 25RB#25                     | 21.82                                | 23.69      | 33.00       |
|       |           |            | 18650      | 50RB#0                      | 21.77                                | 23.64      | 33.00       |
|       |           |            | 18900      | 1RB#49                      | 22.55                                | 24.42      | 33.00       |
|       |           |            | 18900      | 1RB#0                       | 22.62                                | 24.49      | 33.00       |
|       |           |            | 18900      | 1RB#24                      | 22.38                                | 24.25      | 33.00       |
|       |           |            | 18900      | 25RB#0                      | 21.36                                | 23.23      | 33.00       |
|       |           |            | 18900      | 25RB#12                     | 21.33                                | 23.20      | 33.00       |
|       |           |            | 18900      | 25RB#25                     | 21.35                                | 23.22      | 33.00       |
|       |           |            | 18900      | 50RB#0                      | 21.32                                | 23.19      | 33.00       |
|       |           |            | 19150      | 1RB#24                      | 22.90                                | 24.77      | 33.00       |
|       |           |            | 19150      | 1RB#49                      | 22.82                                | 24.69      | 33.00       |
|       |           |            | 19150      | 1RB#0                       | 22.97                                | 24.84      | 33.00       |
|       |           |            | 19150      | 25RB#0                      | 21.85                                | 23.72      | 33.00       |
|       |           |            | 19150      | 25RB#25                     | 21.84                                | 23.71      | 33.00       |
|       |           |            | 19150      | 25RB#12                     | 21.86                                | 23.73      | 33.00       |
|       |           |            | 19150      | 50RB#0                      | 21.85                                | 23.72      | 33.00       |
|       | 10MHz     | 16QAM      | 18650      | 1RB#24                      | 22.26                                | 24.13      | 33.00       |
|       |           |            | 18650      | 1RB#49                      | 22.27                                | 24.14      | 33.00       |
|       |           |            | 18650      | 1RB#0                       | 22.23                                | 24.10      | 33.00       |
|       |           |            | 18650      | 25RB#0                      | 20.83                                | 22.70      | 33.00       |
|       |           |            | 18650      | 25RB#12                     | 20.75                                | 22.62      | 33.00       |
|       |           |            | 18650      | 25RB#25                     | 20.76                                | 22.63      | 33.00       |
|       |           |            | 18650      | 50RB#0                      | 20.72                                | 22.59      | 33.00       |
|       |           |            | 18900      | 1RB#49                      | 21.11                                | 22.98      | 33.00       |
|       |           |            | 18900      | 1RB#0                       | 21.31                                | 23.18      | 33.00       |
|       |           |            | 18900      | 1RB#24                      | 21.38                                | 23.25      | 33.00       |
|       |           |            | 18900      | 25RB#25                     | 20.61                                | 22.48      | 33.00       |
|       |           |            | 18900      | 25RB#12                     | 20.58                                | 22.45      | 33.00       |
|       |           |            | 18900      | 25RB#0                      | 20.63                                | 22.50      | 33.00       |
|       |           |            | 18900      | 50RB#0                      | 20.38                                | 22.25      | 33.00       |
|       |           |            | 19150      | 1RB#24                      | 22.29                                | 24.16      | 33.00       |
|       |           |            | 19150      | 1RB#49                      | 23.11                                | 24.98      | 33.00       |
|       |           |            | 19150      | 1RB#0                       | 22.42                                | 24.29      | 33.00       |
|       |           |            | 19150      | 25RB#25                     | 21.03                                | 22.90      | 33.00       |
|       |           |            | 19150      | 25RB#12                     | 21.08                                | 22.95      | 33.00       |
|       |           |            | 19150      | 25RB#0                      | 20.81                                | 22.68      | 33.00       |
|       |           |            | 19150      | 50RB#0                      | 20.97                                | 22.84      | 33.00       |

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 38 von 107  
Page 38 of 107

| Band  | Bandwidth | Modulation | Channel No | RB Position & RB Allocation | Conducted Average Output Power (dBm) | EIRP (dBm) | limit (dBm) |
|-------|-----------|------------|------------|-----------------------------|--------------------------------------|------------|-------------|
| Band2 | 15MHz     | QPSK       | 18675      | 1RB#74                      | 22.81                                | 24.68      | 33.00       |
|       |           |            | 18675      | 1RB#0                       | 22.62                                | 24.49      | 33.00       |
|       |           |            | 18675      | 1RB#38                      | 22.38                                | 24.25      | 33.00       |
|       |           |            | 18675      | 36RB#39                     | 21.80                                | 23.67      | 33.00       |
|       |           |            | 18675      | 36RB#18                     | 21.61                                | 23.48      | 33.00       |
|       |           |            | 18675      | 36RB#0                      | 21.79                                | 23.66      | 33.00       |
|       |           |            | 18675      | 75RB#0                      | 21.73                                | 23.60      | 33.00       |
|       |           |            | 18900      | 1RB#74                      | 22.42                                | 22.42      | 33.00       |
|       |           |            | 18900      | 1RB#38                      | 22.42                                | 24.29      | 33.00       |
|       |           |            | 18900      | 1RB#0                       | 22.41                                | 24.28      | 33.00       |
|       |           |            | 18900      | 36RB#0                      | 21.53                                | 23.40      | 33.00       |
|       |           |            | 18900      | 36RB#39                     | 21.43                                | 23.30      | 33.00       |
|       |           |            | 18900      | 36RB#18                     | 21.44                                | 23.31      | 33.00       |
|       |           |            | 18900      | 75RB#0                      | 21.32                                | 23.19      | 33.00       |
|       |           |            | 19125      | 1RB#74                      | 22.64                                | 24.51      | 33.00       |
|       |           |            | 19125      | 1RB#38                      | 22.87                                | 24.74      | 33.00       |
|       |           |            | 19125      | 1RB#0                       | 22.61                                | 24.48      | 33.00       |
|       |           |            | 19125      | 36RB#18                     | 21.72                                | 23.59      | 33.00       |
|       |           |            | 19125      | 36RB#0                      | 22.00                                | 23.87      | 33.00       |
|       |           |            | 19125      | 36RB#39                     | 21.94                                | 23.81      | 33.00       |
|       |           |            | 19125      | 75RB#0                      | 21.83                                | 23.70      | 33.00       |
|       | 15MHz     | 16QAM      | 18675      | 1RB#0                       | 21.48                                | 23.35      | 33.00       |
|       |           |            | 18675      | 1RB#74                      | 21.70                                | 23.57      | 33.00       |
|       |           |            | 18675      | 1RB#38                      | 21.77                                | 23.64      | 33.00       |
|       |           |            | 18675      | 36RB#0                      | 20.68                                | 22.55      | 33.00       |
|       |           |            | 18675      | 36RB#39                     | 20.51                                | 22.38      | 33.00       |
|       |           |            | 18675      | 36RB#18                     | 20.61                                | 22.48      | 33.00       |
|       |           |            | 18675      | 75RB#0                      | 20.68                                | 22.55      | 33.00       |
|       |           |            | 18900      | 1RB#38                      | 21.81                                | 23.68      | 33.00       |
|       |           |            | 18900      | 1RB#74                      | 21.87                                | 23.74      | 33.00       |
|       |           |            | 18900      | 1RB#0                       | 21.84                                | 23.71      | 33.00       |
|       |           |            | 18900      | 36RB#18                     | 20.58                                | 22.45      | 33.00       |
|       |           |            | 18900      | 36RB#0                      | 20.49                                | 22.36      | 33.00       |
|       |           |            | 18900      | 36RB#39                     | 20.47                                | 22.34      | 33.00       |
|       |           |            | 18900      | 75RB#0                      | 20.48                                | 22.35      | 33.00       |
|       |           |            | 19125      | 1RB#74                      | 22.28                                | 24.15      | 33.00       |
|       |           |            | 19125      | 1RB#0                       | 22.45                                | 24.32      | 33.00       |
|       |           |            | 19125      | 1RB#38                      | 22.26                                | 24.13      | 33.00       |
|       |           |            | 19125      | 36RB#0                      | 21.02                                | 22.89      | 33.00       |
|       |           |            | 19125      | 36RB#39                     | 20.99                                | 22.86      | 33.00       |
|       |           |            | 19125      | 36RB#18                     | 20.91                                | 22.78      | 33.00       |
|       |           |            | 19125      | 75RB#0                      | 20.86                                | 22.73      | 33.00       |

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 39 von 107  
Page 39 of 107

| Band  | Bandwidth | Modulation | Channel No | RB Position & RB Allocation | Conducted Average Output Power (dBm) | EIRP (dBm) | limit (dBm) |
|-------|-----------|------------|------------|-----------------------------|--------------------------------------|------------|-------------|
| Band2 | 20MHz     | QPSK       | 18700      | 1RB#99                      | 22.53                                | 24.40      | 33.00       |
|       |           |            | 18700      | 1RB#49                      | 22.83                                | 24.70      | 33.00       |
|       |           |            | 18700      | 1RB#0                       | 22.31                                | 24.18      | 33.00       |
|       |           |            | 18700      | 50RB#25                     | 21.78                                | 23.65      | 33.00       |
|       |           |            | 18700      | 50RB#0                      | 21.58                                | 23.45      | 33.00       |
|       |           |            | 18700      | 50RB#50                     | 21.57                                | 23.44      | 33.00       |
|       |           |            | 18700      | 100RB#0                     | 21.68                                | 23.55      | 33.00       |
|       |           |            | 18900      | 1RB#99                      | 22.58                                | 24.45      | 33.00       |
|       |           |            | 18900      | 1RB#0                       | 22.71                                | 24.58      | 33.00       |
|       |           |            | 18900      | 1RB#49                      | 22.48                                | 24.35      | 33.00       |
|       |           |            | 18900      | 50RB#25                     | 21.57                                | 23.44      | 33.00       |
|       |           |            | 18900      | 50RB#0                      | 21.51                                | 23.38      | 33.00       |
|       |           |            | 18900      | 50RB#50                     | 21.59                                | 23.46      | 33.00       |
|       |           |            | 18900      | 100RB#0                     | 21.59                                | 23.46      | 33.00       |
|       |           |            | 19100      | 1RB#0                       | 22.63                                | 24.50      | 33.00       |
|       |           |            | 19100      | 1RB#49                      | 23.33                                | 25.20      | 33.00       |
|       |           |            | 19100      | 1RB#99                      | 22.60                                | 24.47      | 33.00       |
|       |           |            | 19100      | 50RB#0                      | 21.91                                | 23.78      | 33.00       |
|       |           |            | 19100      | 50RB#25                     | 22.00                                | 23.87      | 33.00       |
|       |           |            | 19100      | 50RB#50                     | 22.00                                | 23.87      | 33.00       |
|       |           |            | 19100      | 100RB#0                     | 21.83                                | 23.70      | 33.00       |
|       |           | 16QAM      | 18700      | 1RB#0                       | 22.67                                | 24.54      | 33.00       |
|       |           |            | 18700      | 1RB#49                      | 23.04                                | 24.91      | 33.00       |
|       |           |            | 18700      | 1RB#99                      | 22.40                                | 24.27      | 33.00       |
|       |           |            | 18700      | 50RB#50                     | 20.90                                | 22.77      | 33.00       |
|       |           |            | 18700      | 50RB#0                      | 20.65                                | 22.52      | 33.00       |
|       |           |            | 18700      | 50RB#25                     | 20.68                                | 22.55      | 33.00       |
|       |           |            | 18700      | 100RB#0                     | 20.85                                | 22.72      | 33.00       |
|       |           |            | 18900      | 1RB#0                       | 21.86                                | 23.73      | 33.00       |
|       |           |            | 18900      | 1RB#49                      | 22.41                                | 24.28      | 33.00       |
|       |           |            | 18900      | 1RB#99                      | 21.90                                | 23.77      | 33.00       |
|       |           |            | 18900      | 50RB#0                      | 20.88                                | 22.75      | 33.00       |
|       |           |            | 18900      | 50RB#50                     | 20.57                                | 22.44      | 33.00       |
|       |           |            | 18900      | 50RB#25                     | 20.60                                | 22.47      | 33.00       |
|       |           |            | 18900      | 100RB#0                     | 20.60                                | 22.47      | 33.00       |
|       |           |            | 19100      | 1RB#0                       | 21.74                                | 23.61      | 33.00       |
|       |           |            | 19100      | 1RB#99                      | 22.02                                | 23.89      | 33.00       |
|       |           |            | 19100      | 1RB#49                      | 21.60                                | 23.47      | 33.00       |
|       |           |            | 19100      | 50RB#0                      | 20.96                                | 22.83      | 33.00       |
|       |           |            | 19100      | 50RB#25                     | 20.98                                | 22.85      | 33.00       |
|       |           |            | 19100      | 50RB#50                     | 20.99                                | 22.86      | 33.00       |
|       |           |            | 19100      | 100RB#0                     | 20.84                                | 22.71      | 33.00       |

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 40 von 107  
Page 40 of 107

| Band   | Bandwidth | Modulation | Channel No | RB Position & RB Allocation | Measured Average Power (dBm) | EIRP (dBm) | limit (dBm) |
|--------|-----------|------------|------------|-----------------------------|------------------------------|------------|-------------|
| Band25 | 1.4MHz    | QPSK       | 26047      | 1RB#0                       | 22.57                        | 24.44      | 33.00       |
|        |           |            | 26047      | 1RB#2                       | 22.55                        | 24.42      | 33.00       |
|        |           |            | 26047      | 1RB#5                       | 22.70                        | 24.57      | 33.00       |
|        |           |            | 26047      | 3RB#1                       | 22.56                        | 24.43      | 33.00       |
|        |           |            | 26047      | 3RB#0                       | 22.62                        | 24.49      | 33.00       |
|        |           |            | 26047      | 3RB#3                       | 22.60                        | 24.47      | 33.00       |
|        |           |            | 26047      | 6RB#0                       | 21.56                        | 23.43      | 33.00       |
|        |           |            | 26365      | 1RB#5                       | 22.38                        | 24.25      | 33.00       |
|        |           |            | 26365      | 1RB#0                       | 22.37                        | 24.24      | 33.00       |
|        |           |            | 26365      | 1RB#2                       | 22.64                        | 24.51      | 33.00       |
|        |           |            | 26365      | 3RB#0                       | 22.39                        | 24.26      | 33.00       |
|        |           |            | 26365      | 3RB#1                       | 22.60                        | 24.47      | 33.00       |
|        |           |            | 26365      | 3RB#3                       | 22.51                        | 24.38      | 33.00       |
|        |           |            | 26365      | 6RB#0                       | 21.52                        | 23.39      | 33.00       |
|        |           |            | 26683      | 1RB#2                       | 22.50                        | 24.37      | 33.00       |
|        |           |            | 26683      | 1RB#5                       | 22.51                        | 24.38      | 33.00       |
|        |           |            | 26683      | 1RB#0                       | 22.41                        | 24.28      | 33.00       |
|        |           |            | 26683      | 3RB#0                       | 22.48                        | 24.35      | 33.00       |
|        |           |            | 26683      | 3RB#3                       | 22.42                        | 24.29      | 33.00       |
|        |           |            | 26683      | 3RB#1                       | 22.42                        | 24.29      | 33.00       |
|        |           |            | 26683      | 6RB#0                       | 21.68                        | 23.55      | 33.00       |
|        |           | 16QAM      | 26047      | 1RB#2                       | 22.41                        | 24.28      | 33.00       |
|        |           |            | 26047      | 1RB#5                       | 22.56                        | 24.43      | 33.00       |
|        |           |            | 26047      | 1RB#0                       | 22.42                        | 24.29      | 33.00       |
|        |           |            | 26047      | 3RB#0                       | 22.51                        | 24.38      | 33.00       |
|        |           |            | 26047      | 3RB#1                       | 22.69                        | 24.56      | 33.00       |
|        |           |            | 26047      | 3RB#3                       | 22.75                        | 24.62      | 33.00       |
|        |           |            | 26047      | 6RB#0                       | 21.64                        | 23.51      | 33.00       |
|        |           |            | 26365      | 1RB#5                       | 21.12                        | 22.99      | 33.00       |
|        |           |            | 26365      | 1RB#0                       | 21.38                        | 23.25      | 33.00       |
|        |           |            | 26365      | 1RB#2                       | 21.12                        | 22.99      | 33.00       |
|        |           |            | 26365      | 3RB#3                       | 21.49                        | 23.36      | 33.00       |
|        |           |            | 26365      | 3RB#1                       | 21.50                        | 23.37      | 33.00       |
|        |           |            | 26365      | 3RB#0                       | 21.45                        | 23.32      | 33.00       |
|        |           |            | 26365      | 6RB#0                       | 20.52                        | 22.39      | 33.00       |
|        |           |            | 26683      | 1RB#2                       | 21.12                        | 22.99      | 33.00       |
|        |           |            | 26683      | 1RB#5                       | 21.86                        | 23.73      | 33.00       |
|        |           |            | 26683      | 1RB#0                       | 21.61                        | 23.48      | 33.00       |
|        |           |            | 26683      | 3RB#3                       | 21.52                        | 23.39      | 33.00       |
|        |           |            | 26683      | 3RB#1                       | 21.64                        | 23.51      | 33.00       |
|        |           |            | 26683      | 3RB#0                       | 21.63                        | 23.50      | 33.00       |
|        |           |            | 26683      | 6RB#0                       | 20.69                        | 22.56      | 33.00       |

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 41 von 107  
Page 41 of 107

| Band   | Bandwidth | Modulation | Channel No | RB Position & RB Allocation | Measured Average Power (dBm) | EIRP (dBm) | limit (dBm) |
|--------|-----------|------------|------------|-----------------------------|------------------------------|------------|-------------|
| Band25 | 3MHz      | QPSK       | 26055      | 1RB#14                      | 20.76                        | 22.63      | 33.00       |
|        |           |            | 26055      | 1RB#0                       | 22.52                        | 24.39      | 33.00       |
|        |           |            | 26055      | 1RB#8                       | 22.61                        | 24.48      | 33.00       |
|        |           |            | 26055      | 8RB#7                       | 21.61                        | 23.48      | 33.00       |
|        |           |            | 26055      | 8RB#4                       | 21.68                        | 23.55      | 33.00       |
|        |           |            | 26055      | 8RB#0                       | 21.67                        | 23.54      | 33.00       |
|        |           |            | 26055      | 15RB#0                      | 21.63                        | 23.50      | 33.00       |
|        |           |            | 26365      | 1RB#14                      | 22.45                        | 24.32      | 33.00       |
|        |           |            | 26365      | 1RB#8                       | 22.28                        | 24.15      | 33.00       |
|        |           |            | 26365      | 1RB#0                       | 22.22                        | 24.09      | 33.00       |
|        |           |            | 26365      | 8RB#7                       | 21.37                        | 23.24      | 33.00       |
|        |           |            | 26365      | 8RB#0                       | 21.41                        | 23.28      | 33.00       |
|        |           |            | 26365      | 8RB#4                       | 21.38                        | 23.25      | 33.00       |
|        |           |            | 26365      | 15RB#0                      | 21.40                        | 23.27      | 33.00       |
|        |           |            | 26675      | 1RB#14                      | 22.28                        | 24.15      | 33.00       |
|        |           |            | 26675      | 1RB#8                       | 22.51                        | 24.38      | 33.00       |
|        |           |            | 26675      | 1RB#0                       | 22.67                        | 24.54      | 33.00       |
|        |           |            | 26675      | 8RB#4                       | 21.83                        | 23.70      | 33.00       |
|        |           |            | 26675      | 8RB#0                       | 21.82                        | 23.69      | 33.00       |
|        |           |            | 26675      | 8RB#7                       | 21.70                        | 23.57      | 33.00       |
|        |           |            | 26675      | 15RB#0                      | 21.67                        | 23.54      | 33.00       |
|        |           | 16QAM      | 26055      | 1RB#8                       | 22.01                        | 23.88      | 33.00       |
|        |           |            | 26055      | 1RB#14                      | 22.20                        | 24.07      | 33.00       |
|        |           |            | 26055      | 1RB#0                       | 22.10                        | 23.97      | 33.00       |
|        |           |            | 26055      | 8RB#0                       | 20.91                        | 22.78      | 33.00       |
|        |           |            | 26055      | 8RB#7                       | 20.93                        | 22.80      | 33.00       |
|        |           |            | 26055      | 8RB#4                       | 20.97                        | 22.84      | 33.00       |
|        |           |            | 26055      | 15RB#0                      | 20.95                        | 22.82      | 33.00       |
|        |           |            | 26365      | 1RB#8                       | 21.24                        | 23.11      | 33.00       |
|        |           |            | 26365      | 1RB#14                      | 21.18                        | 23.05      | 33.00       |
|        |           |            | 26365      | 1RB#0                       | 21.11                        | 22.98      | 33.00       |
|        |           |            | 26365      | 8RB#4                       | 20.42                        | 22.29      | 33.00       |
|        |           |            | 26365      | 8RB#0                       | 20.39                        | 22.26      | 33.00       |
|        |           |            | 26365      | 8RB#7                       | 20.40                        | 22.27      | 33.00       |
|        |           |            | 26365      | 15RB#0                      | 21.65                        | 23.52      | 33.00       |
|        |           |            | 26675      | 1RB#14                      | 22.16                        | 24.03      | 33.00       |
|        |           |            | 26675      | 1RB#0                       | 22.05                        | 23.92      | 33.00       |
|        |           |            | 26675      | 1RB#8                       | 21.93                        | 23.80      | 33.00       |
|        |           |            | 26675      | 8RB#0                       | 20.98                        | 22.85      | 33.00       |
|        |           |            | 26675      | 8RB#7                       | 21.05                        | 22.92      | 33.00       |
|        |           |            | 26675      | 8RB#4                       | 21.05                        | 22.92      | 33.00       |
|        |           |            | 26675      | 15RB#0                      | 20.91                        | 22.78      | 33.00       |

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 42 von 107  
Page 42 of 107

| Band   | Bandwidth | Modulation | Channel No | RB Position & RB Allocation | Measured Average Power (dBm) | EIRP (dBm) | limit (dBm) |
|--------|-----------|------------|------------|-----------------------------|------------------------------|------------|-------------|
| Band25 | 5MHz      | QPSK       | 26065      | 1RB#24                      | 22.33                        | 24.20      | 33.00       |
|        |           |            | 26065      | 1RB#12                      | 22.54                        | 24.41      | 33.00       |
|        |           |            | 26065      | 1RB#0                       | 22.43                        | 24.30      | 33.00       |
|        |           |            | 26065      | 12RB#6                      | 21.66                        | 23.53      | 33.00       |
|        |           |            | 26065      | 12RB#0                      | 21.63                        | 23.50      | 33.00       |
|        |           |            | 26065      | 12RB#13                     | 21.65                        | 23.52      | 33.00       |
|        |           |            | 26065      | 25RB#0                      | 21.63                        | 23.50      | 33.00       |
|        |           |            | 26365      | 1RB#24                      | 22.30                        | 24.17      | 33.00       |
|        |           |            | 26365      | 1RB#0                       | 22.48                        | 24.35      | 33.00       |
|        |           |            | 26365      | 1RB#12                      | 22.12                        | 23.99      | 33.00       |
|        |           |            | 26365      | 12RB#6                      | 21.37                        | 23.24      | 33.00       |
|        |           |            | 26365      | 12RB#0                      | 21.41                        | 23.28      | 33.00       |
|        |           |            | 26365      | 12RB#13                     | 21.42                        | 23.29      | 33.00       |
|        |           |            | 26365      | 25RB#0                      | 21.38                        | 23.25      | 33.00       |
|        |           |            | 26665      | 1RB#0                       | 22.52                        | 24.39      | 33.00       |
|        |           |            | 26665      | 1RB#12                      | 22.63                        | 24.50      | 33.00       |
|        |           |            | 26665      | 1RB#24                      | 22.67                        | 24.54      | 33.00       |
|        |           |            | 26665      | 12RB#0                      | 21.77                        | 23.64      | 33.00       |
|        |           |            | 26665      | 12RB#6                      | 21.68                        | 23.55      | 33.00       |
|        |           |            | 26665      | 12RB#13                     | 21.67                        | 23.54      | 33.00       |
|        |           |            | 26665      | 25RB#0                      | 21.78                        | 23.65      | 33.00       |
|        |           | 16QAM      | 26065      | 1RB#0                       | 20.92                        | 22.79      | 33.00       |
|        |           |            | 26065      | 1RB#12                      | 21.02                        | 22.89      | 33.00       |
|        |           |            | 26065      | 1RB#24                      | 20.89                        | 22.76      | 33.00       |
|        |           |            | 26065      | 12RB#13                     | 20.63                        | 22.50      | 33.00       |
|        |           |            | 26065      | 12RB#0                      | 20.68                        | 22.55      | 33.00       |
|        |           |            | 26065      | 12RB#6                      | 20.70                        | 22.57      | 33.00       |
|        |           |            | 26065      | 25RB#0                      | 20.72                        | 22.59      | 33.00       |
|        |           |            | 26365      | 1RB#0                       | 21.80                        | 23.67      | 33.00       |
|        |           |            | 26365      | 1RB#12                      | 21.83                        | 23.70      | 33.00       |
|        |           |            | 26365      | 1RB#24                      | 21.38                        | 23.25      | 33.00       |
|        |           |            | 26365      | 12RB#0                      | 20.37                        | 22.24      | 33.00       |
|        |           |            | 26365      | 12RB#13                     | 20.36                        | 22.23      | 33.00       |
|        |           |            | 26365      | 12RB#6                      | 20.31                        | 22.18      | 33.00       |
|        |           |            | 26365      | 25RB#0                      | 20.20                        | 22.07      | 33.00       |
|        |           |            | 26665      | 1RB#0                       | 21.51                        | 23.38      | 33.00       |
|        |           |            | 26665      | 1RB#24                      | 21.45                        | 23.32      | 33.00       |
|        |           |            | 26665      | 1RB#12                      | 21.52                        | 23.39      | 33.00       |
|        |           |            | 26665      | 12RB#0                      | 20.84                        | 22.71      | 33.00       |
|        |           |            | 26665      | 12RB#6                      | 20.58                        | 22.45      | 33.00       |
|        |           |            | 26665      | 12RB#13                     | 20.75                        | 22.62      | 33.00       |
|        |           |            | 26665      | 25RB#0                      | 20.93                        | 22.80      | 33.00       |

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 43 von 107  
Page 43 of 107

| Band   | Bandwidth | Modulation | Channel No | RB Position & RB Allocation | Measured Average Power (dBm) | EIRP (dBm) | limit (dBm) |
|--------|-----------|------------|------------|-----------------------------|------------------------------|------------|-------------|
| Band25 | 10MHz     | QPSK       | 26090      | 1RB#0                       | 22.42                        | 24.29      | 33.00       |
|        |           |            | 26090      | 1RB#24                      | 22.61                        | 24.48      | 33.00       |
|        |           |            | 26090      | 1RB#49                      | 22.69                        | 24.56      | 33.00       |
|        |           |            | 26090      | 25RB#12                     | 21.74                        | 23.61      | 33.00       |
|        |           |            | 26090      | 25RB#0                      | 21.66                        | 23.53      | 33.00       |
|        |           |            | 26090      | 25RB#25                     | 21.71                        | 23.58      | 33.00       |
|        |           |            | 26090      | 50RB#0                      | 21.74                        | 23.61      | 33.00       |
|        |           |            | 26365      | 1RB#49                      | 22.38                        | 24.25      | 33.00       |
|        |           |            | 26365      | 1RB#0                       | 22.68                        | 24.55      | 33.00       |
|        |           |            | 26365      | 1RB#24                      | 22.51                        | 24.38      | 33.00       |
|        |           |            | 26365      | 25RB#0                      | 21.39                        | 23.26      | 33.00       |
|        |           |            | 26365      | 25RB#12                     | 21.48                        | 23.35      | 33.00       |
|        |           |            | 26365      | 25RB#25                     | 21.48                        | 23.35      | 33.00       |
|        |           |            | 26365      | 50RB#0                      | 21.44                        | 23.31      | 33.00       |
|        |           |            | 26640      | 1RB#24                      | 22.26                        | 24.13      | 33.00       |
|        |           |            | 26640      | 1RB#49                      | 22.60                        | 24.47      | 33.00       |
|        |           |            | 26640      | 1RB#0                       | 21.99                        | 23.86      | 33.00       |
|        |           |            | 26640      | 25RB#0                      | 21.80                        | 23.67      | 33.00       |
|        |           |            | 26640      | 25RB#25                     | 21.81                        | 23.68      | 33.00       |
|        |           |            | 26640      | 25RB#12                     | 21.88                        | 23.75      | 33.00       |
|        |           |            | 26640      | 50RB#0                      | 21.86                        | 23.73      | 33.00       |
|        |           | 16QAM      | 26090      | 1RB#24                      | 22.12                        | 23.99      | 33.00       |
|        |           |            | 26090      | 1RB#49                      | 22.17                        | 24.04      | 33.00       |
|        |           |            | 26090      | 1RB#0                       | 22.25                        | 24.12      | 33.00       |
|        |           |            | 26090      | 25RB#0                      | 20.56                        | 22.43      | 33.00       |
|        |           |            | 26090      | 25RB#12                     | 20.57                        | 22.44      | 33.00       |
|        |           |            | 26090      | 25RB#25                     | 20.58                        | 22.45      | 33.00       |
|        |           |            | 26090      | 50RB#0                      | 20.70                        | 22.57      | 33.00       |
|        |           |            | 26365      | 1RB#49                      | 21.24                        | 23.11      | 33.00       |
|        |           |            | 26365      | 1RB#0                       | 21.32                        | 23.19      | 33.00       |
|        |           |            | 26365      | 1RB#24                      | 21.48                        | 23.35      | 33.00       |
|        |           |            | 26365      | 25RB#25                     | 20.58                        | 22.45      | 33.00       |
|        |           |            | 26365      | 25RB#12                     | 20.68                        | 22.55      | 33.00       |
|        |           |            | 26365      | 25RB#0                      | 20.67                        | 22.54      | 33.00       |
|        |           |            | 26365      | 50RB#0                      | 20.37                        | 22.24      | 33.00       |
|        |           |            | 26640      | 1RB#24                      | 22.17                        | 24.04      | 33.00       |
|        |           |            | 26640      | 1RB#49                      | 22.20                        | 24.07      | 33.00       |
|        |           |            | 26640      | 1RB#0                       | 21.63                        | 23.50      | 33.00       |
|        |           |            | 26640      | 25RB#25                     | 20.97                        | 22.84      | 33.00       |
|        |           |            | 26640      | 25RB#12                     | 21.03                        | 22.90      | 33.00       |
|        |           |            | 26640      | 25RB#0                      | 20.84                        | 22.71      | 33.00       |
|        |           |            | 26640      | 50RB#0                      | 20.95                        | 22.82      | 33.00       |

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 44 von 107  
Page 44 of 107

| Band   | Bandwidth | Modulation | Channel No | RB Position & RB Allocation | Measured Average Power (dBm) | EIRP (dBm) | limit (dBm) |
|--------|-----------|------------|------------|-----------------------------|------------------------------|------------|-------------|
| Band25 | 15MHz     | QPSK       | 26115      | 1RB#74                      | 22.48                        | 24.35      | 33.00       |
|        |           |            | 26115      | 1RB#0                       | 22.56                        | 24.43      | 33.00       |
|        |           |            | 26115      | 1RB#38                      | 22.60                        | 24.47      | 33.00       |
|        |           |            | 26115      | 36RB#39                     | 21.70                        | 23.57      | 33.00       |
|        |           |            | 26115      | 36RB#18                     | 21.83                        | 23.70      | 33.00       |
|        |           |            | 26115      | 36RB#0                      | 21.70                        | 23.57      | 33.00       |
|        |           |            | 26115      | 75RB#0                      | 21.67                        | 23.54      | 33.00       |
|        |           |            | 26365      | 1RB#74                      | 21.48                        | 23.35      | 33.00       |
|        |           |            | 26365      | 1RB#38                      | 22.62                        | 24.49      | 33.00       |
|        |           |            | 26365      | 1RB#0                       | 22.60                        | 24.47      | 33.00       |
|        |           |            | 26365      | 36RB#0                      | 21.44                        | 23.31      | 33.00       |
|        |           |            | 26365      | 36RB#39                     | 21.57                        | 23.44      | 33.00       |
|        |           |            | 26365      | 36RB#18                     | 21.57                        | 23.44      | 33.00       |
|        |           |            | 26365      | 75RB#0                      | 21.55                        | 23.42      | 33.00       |
|        |           |            | 26615      | 1RB#74                      | 22.67                        | 24.54      | 33.00       |
|        |           |            | 26615      | 1RB#38                      | 22.64                        | 24.51      | 33.00       |
|        |           |            | 26615      | 1RB#0                       | 21.60                        | 23.47      | 33.00       |
|        |           |            | 26615      | 36RB#18                     | 21.91                        | 23.78      | 33.00       |
|        |           |            | 26615      | 36RB#0                      | 21.99                        | 23.86      | 33.00       |
|        |           |            | 26615      | 36RB#39                     | 21.83                        | 23.70      | 33.00       |
|        |           |            | 26615      | 75RB#0                      | 21.79                        | 23.66      | 33.00       |
|        |           | 16QAM      | 26115      | 1RB#0                       | 22.29                        | 24.16      | 33.00       |
|        |           |            | 26115      | 1RB#74                      | 22.14                        | 24.01      | 33.00       |
|        |           |            | 26115      | 1RB#38                      | 22.30                        | 24.17      | 33.00       |
|        |           |            | 26115      | 36RB#0                      | 20.78                        | 22.65      | 33.00       |
|        |           |            | 26115      | 36RB#39                     | 20.83                        | 22.70      | 33.00       |
|        |           |            | 26115      | 36RB#18                     | 20.83                        | 22.70      | 33.00       |
|        |           |            | 26115      | 75RB#0                      | 20.82                        | 22.69      | 33.00       |
|        |           |            | 26365      | 1RB#38                      | 21.78                        | 23.65      | 33.00       |
|        |           |            | 26365      | 1RB#74                      | 21.92                        | 23.79      | 33.00       |
|        |           |            | 26365      | 1RB#0                       | 22.10                        | 23.97      | 33.00       |
|        |           |            | 26365      | 36RB#18                     | 20.47                        | 22.34      | 33.00       |
|        |           |            | 26365      | 36RB#0                      | 20.73                        | 22.60      | 33.00       |
|        |           |            | 26365      | 36RB#39                     | 20.71                        | 22.58      | 33.00       |
|        |           |            | 26365      | 75RB#0                      | 20.59                        | 22.46      | 33.00       |
|        |           |            | 26615      | 1RB#74                      | 22.09                        | 23.96      | 33.00       |
|        |           |            | 26615      | 1RB#0                       | 22.07                        | 23.94      | 33.00       |
|        |           |            | 26615      | 1RB#38                      | 21.11                        | 22.98      | 33.00       |
|        |           |            | 26615      | 36RB#0                      | 20.84                        | 22.71      | 33.00       |
|        |           |            | 26615      | 36RB#39                     | 20.93                        | 22.80      | 33.00       |
|        |           |            | 26615      | 36RB#18                     | 21.08                        | 22.95      | 33.00       |
|        |           |            | 26615      | 75RB#0                      | 20.86                        | 22.73      | 33.00       |

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 45 von 107  
Page 45 of 107

| Band   | Bandwidth | Modulation | Channel No | RB Position & RB Allocation | Measured Average Power (dBm) | EIRP (dBm) | limit (dBm) |
|--------|-----------|------------|------------|-----------------------------|------------------------------|------------|-------------|
| Band25 | 20MHz     | QPSK       | 26140      | 1RB#99                      | 22.67                        | 24.54      | 33.00       |
|        |           |            | 26140      | 1RB#49                      | 22.96                        | 24.83      | 33.00       |
|        |           |            | 26140      | 1RB#0                       | 22.57                        | 24.44      | 33.00       |
|        |           |            | 26140      | 50RB#25                     | 21.67                        | 23.54      | 33.00       |
|        |           |            | 26140      | 50RB#0                      | 21.65                        | 23.52      | 33.00       |
|        |           |            | 26140      | 50RB#50                     | 21.64                        | 23.51      | 33.00       |
|        |           |            | 26140      | 100RB#0                     | 21.60                        | 23.47      | 33.00       |
|        |           |            | 26365      | 1RB#99                      | 22.36                        | 24.23      | 33.00       |
|        |           |            | 26365      | 1RB#0                       | 22.63                        | 24.50      | 33.00       |
|        |           |            | 26365      | 1RB#49                      | 22.37                        | 24.24      | 33.00       |
|        |           |            | 26365      | 50RB#25                     | 21.43                        | 23.30      | 33.00       |
|        |           |            | 26365      | 50RB#0                      | 21.61                        | 23.48      | 33.00       |
|        |           |            | 26365      | 50RB#50                     | 21.58                        | 23.45      | 33.00       |
|        |           |            | 26365      | 100RB#0                     | 21.42                        | 23.29      | 33.00       |
|        |           |            | 26590      | 1RB#0                       | 22.67                        | 24.54      | 33.00       |
|        |           |            | 26590      | 1RB#49                      | 22.93                        | 24.80      | 33.00       |
|        |           |            | 26590      | 1RB#99                      | 21.54                        | 23.41      | 33.00       |
|        |           |            | 26590      | 50RB#0                      | 21.85                        | 23.72      | 33.00       |
|        |           |            | 26590      | 50RB#25                     | 21.87                        | 23.74      | 33.00       |
|        |           |            | 26590      | 50RB#50                     | 21.86                        | 23.73      | 33.00       |
|        |           |            | 26590      | 100RB#0                     | 21.76                        | 23.63      | 33.00       |
|        |           | 16QAM      | 26140      | 1RB#0                       | 21.10                        | 22.97      | 33.00       |
|        |           |            | 26140      | 1RB#49                      | 21.37                        | 23.24      | 33.00       |
|        |           |            | 26140      | 1RB#99                      | 21.21                        | 23.08      | 33.00       |
|        |           |            | 26140      | 50RB#50                     | 20.62                        | 22.49      | 33.00       |
|        |           |            | 26140      | 50RB#0                      | 20.67                        | 22.54      | 33.00       |
|        |           |            | 26140      | 50RB#25                     | 20.68                        | 22.55      | 33.00       |
|        |           |            | 26140      | 100RB#0                     | 20.54                        | 22.41      | 33.00       |
|        |           |            | 26365      | 1RB#0                       | 21.63                        | 23.50      | 33.00       |
|        |           |            | 26365      | 1RB#49                      | 22.23                        | 24.10      | 33.00       |
|        |           |            | 26365      | 1RB#99                      | 21.85                        | 23.72      | 33.00       |
|        |           |            | 26365      | 50RB#0                      | 20.54                        | 22.41      | 33.00       |
|        |           |            | 26365      | 50RB#50                     | 20.77                        | 22.64      | 33.00       |
|        |           |            | 26365      | 50RB#25                     | 20.48                        | 22.35      | 33.00       |
|        |           |            | 26365      | 100RB#0                     | 20.61                        | 22.48      | 33.00       |
|        |           |            | 26590      | 1RB#0                       | 22.47                        | 24.34      | 33.00       |
|        |           |            | 26590      | 1RB#99                      | 23.27                        | 25.14      | 33.00       |
|        |           |            | 26590      | 1RB#49                      | 21.18                        | 23.05      | 33.00       |
|        |           |            | 26590      | 50RB#0                      | 20.93                        | 22.80      | 33.00       |
|        |           |            | 26590      | 50RB#25                     | 21.01                        | 22.88      | 33.00       |
|        |           |            | 26590      | 50RB#50                     | 21.00                        | 22.87      | 33.00       |
|        |           |            | 26590      | 100RB#0                     | 20.97                        | 22.84      | 33.00       |

**Prüfbericht - Nr.:**

Test Report No.:

**IN258K1F 001**

Seite 46 von 107

Page 46 of 107

**Test Results for WCDMA Band 2:**

| Mode           | Channel Frequency (MHz) | Measured Average Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP Limit (dBm) |
|----------------|-------------------------|------------------------------|--------------------|------------|------------------|
| WCDMA          | 1852.40                 | 22.82                        | 1.87               | 24.69      | 33.01            |
|                | 1880.00                 | 22.41                        | 1.87               | 24.28      | 33.01            |
|                | 1907.60                 | 22.81                        | 1.87               | 24.68      | 33.01            |
| HSDPA Subtest1 | 1852.40                 | 23.86                        | 1.87               | 25.73      | 33.01            |
|                | 1880.00                 | 23.72                        | 1.87               | 25.59      | 33.01            |
|                | 1907.60                 | 23.07                        | 1.87               | 24.94      | 33.01            |
| HSDPA Subtest2 | 1852.40                 | 22.15                        | 1.87               | 24.02      | 33.01            |
|                | 1880.00                 | 21.66                        | 1.87               | 23.53      | 33.01            |
|                | 1907.60                 | 21.96                        | 1.87               | 23.83      | 33.01            |
| HSDPA Subtest3 | 1852.40                 | 21.70                        | 1.87               | 23.57      | 33.01            |
|                | 1880.00                 | 21.61                        | 1.87               | 23.48      | 33.01            |
|                | 1907.60                 | 20.89                        | 1.87               | 22.76      | 33.01            |
| HSDPA Subtest4 | 1852.40                 | 22.24                        | 1.87               | 24.11      | 33.01            |
|                | 1880.00                 | 22.28                        | 1.87               | 24.15      | 33.01            |
|                | 1907.60                 | 21.32                        | 1.87               | 23.19      | 33.01            |
| HSUPA Subtest1 | 1852.40                 | 21.93                        | 1.87               | 23.80      | 33.01            |
|                | 1880.00                 | 22.70                        | 1.87               | 24.57      | 33.01            |
|                | 1907.60                 | 22.37                        | 1.87               | 24.24      | 33.01            |
| HSUPA Subtest2 | 1852.40                 | 21.56                        | 1.87               | 23.43      | 33.01            |
|                | 1880.00                 | 21.22                        | 1.87               | 23.09      | 33.01            |
|                | 1907.60                 | 20.74                        | 1.87               | 22.61      | 33.01            |
| HSUPA Subtest3 | 1852.40                 | 21.61                        | 1.87               | 23.48      | 33.01            |
|                | 1880.00                 | 21.65                        | 1.87               | 23.52      | 33.01            |
|                | 1907.60                 | 21.75                        | 1.87               | 23.62      | 33.01            |
| HSUPA Subtest4 | 1852.40                 | 22.12                        | 1.87               | 23.99      | 33.01            |
|                | 1880.00                 | 21.17                        | 1.87               | 23.04      | 33.01            |
|                | 1907.60                 | 21.14                        | 1.87               | 23.01      | 33.01            |

**Prüfbericht - Nr.:**

Test Report No.:

**IN258K1F 001**

Seite 47 von 107

Page 47 of 107

**Test Results for GSM1900MHz:**

| Mode                 | Frequency (MHz) | Measured Average power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP Limit (dBm) |
|----------------------|-----------------|------------------------------|--------------------|------------|------------------|
| GPRS (GMSK, 1-slot)  | 1850.20         | 30.53                        | 1.87               | 32.40      | 33.01            |
|                      | 1880.00         | 30.51                        | 1.87               | 32.38      | 33.01            |
|                      | 1909.80         | 29.80                        | 1.87               | 31.67      | 33.01            |
| GPRS (GMSK, 2-slot)  | 1850.20         | 30.16                        | 1.87               | 32.03      | 33.01            |
|                      | 1880.00         | 29.54                        | 1.87               | 31.41      | 33.01            |
|                      | 1909.80         | 30.49                        | 1.87               | 32.36      | 33.01            |
| GPRS (GMSK, 3-slot)  | 1850.20         | 28.03                        | 1.87               | 29.90      | 33.01            |
|                      | 1880.00         | 27.87                        | 1.87               | 29.74      | 33.01            |
|                      | 1909.80         | 28.11                        | 1.87               | 29.98      | 33.01            |
| GPRS (GMSK, 4-slot)  | 1850.20         | 26.46                        | 1.87               | 28.33      | 33.01            |
|                      | 1880.00         | 26.67                        | 1.87               | 28.54      | 33.01            |
|                      | 1909.80         | 26.66                        | 1.87               | 28.53      | 33.01            |
| EGPRS (8PSK, 1-slot) | 1850.20         | 26.49                        | 1.87               | 28.36      | 33.01            |
|                      | 1880.00         | 27.08                        | 1.87               | 28.95      | 33.01            |
|                      | 1909.80         | 27.26                        | 1.87               | 29.13      | 33.01            |
| EGPRS (8PSK, 2-slot) | 1850.20         | 26.27                        | 1.87               | 28.14      | 33.01            |
|                      | 1880.00         | 26.12                        | 1.87               | 27.99      | 33.01            |
|                      | 1909.80         | 25.49                        | 1.87               | 27.36      | 33.01            |
| EGPRS (8PSK, 3-slot) | 1850.20         | 23.51                        | 1.87               | 25.38      | 33.01            |
|                      | 1880.00         | 23.46                        | 1.87               | 25.33      | 33.01            |
|                      | 1909.80         | 23.69                        | 1.87               | 25.56      | 33.01            |
| EGPRS (8PSK, 4-slot) | 1850.20         | 22.66                        | 1.87               | 24.53      | 33.01            |
|                      | 1880.00         | 22.24                        | 1.87               | 24.11      | 33.01            |
|                      | 1909.80         | 22.80                        | 1.87               | 24.67      | 33.01            |

**Prüfbericht - Nr.:**  
Test Report No.:

**IN258K1F 001**

Seite 48 von 107  
Page 48 of 107

### 7.3 Field Strength of Spurious Radiation

**Result**

**Pass**

|                             |                                                                                                                                                                |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Specification               | FCC Part §2.1053 & §24.238(a)<br>RSS-133, §5.6                                                                                                                 |
| Test Method / Procedure     | As per subclause 5.5 of ANSI C63.26-2015<br>As per subclause 7 in 971168 D01 Power Meas License Digital Systems v03r01                                         |
| Measurement Bandwidth (RBW) | 100 kHz for frequency range < 1GHz<br>1 MHz for Frequency range >1GHz                                                                                          |
| Detector Function           | Peak                                                                                                                                                           |
| Measuring Distance          | 3 m                                                                                                                                                            |
| Requirement                 | The power of any emission outside the authorized frequency range must be attenuated below the transmitting power (P) by a factor of at least $43+10\log(P)$ dB |
| Test setup                  | Refer TEST METHODOLOGY                                                                                                                                         |

#### Environmental conditions:

Temperature (Norm) = + 24 °C      Voltage = 12VDC through AC-DC Adapter      Relative humidity = 62 %

**Note:** All the losses are included during measurement and final values are mentioned in the test report. Refer TEST METHODOLOGY for more details

#### Note:

1. All the losses are included during measurement and final values are mentioned in the test report.
2. Spurious emission limit is derived using the following equation:  $43 + 10*\log(P) = 43 + 10*\log(P) = -13$   
P is average power in W

# Prüfbericht - Nr.:

Test Report No.:

IN258K1F 001

Seite 49 von 107

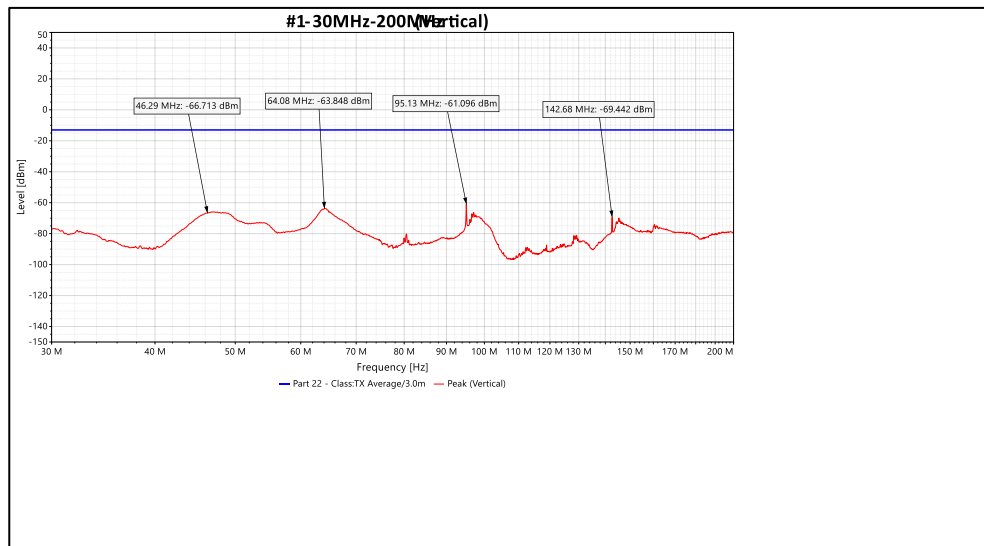
Page 49 of 107

## Test results:

Test results for frequency range 30MHz – 200MHz

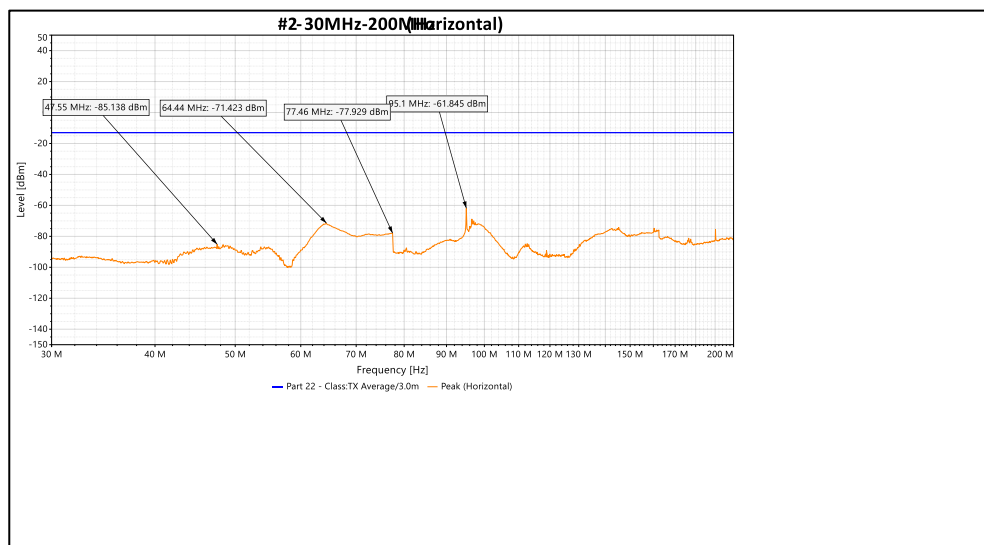
| Antenna Polarization | Measured Frequency (MHz) | Measured emission (dBm) | Limit (dBm) | Margin (dB) |
|----------------------|--------------------------|-------------------------|-------------|-------------|
| Vertical             | 46.29                    | -66.71                  | -13.00      | -53.71      |
|                      | 64.08                    | -63.84                  | -13.00      | -50.84      |
|                      | 95.13                    | -61.09                  | -13.00      | -48.09      |
|                      | 142.68                   | -69.44                  | -13.00      | -56.44      |
| Horizontal           | 47.55                    | -85.13                  | -13.00      | -72.13      |
|                      | 64.44                    | -71.42                  | -13.00      | -58.42      |
|                      | 77.46                    | -77.92                  | -13.00      | -64.92      |
|                      | 95.10                    | -61.84                  | -13.00      | -48.84      |

Plots for frequency range 30MHz to 200MHz



Frequency Range: 30MHz-200MHz

Polarization: Vertical



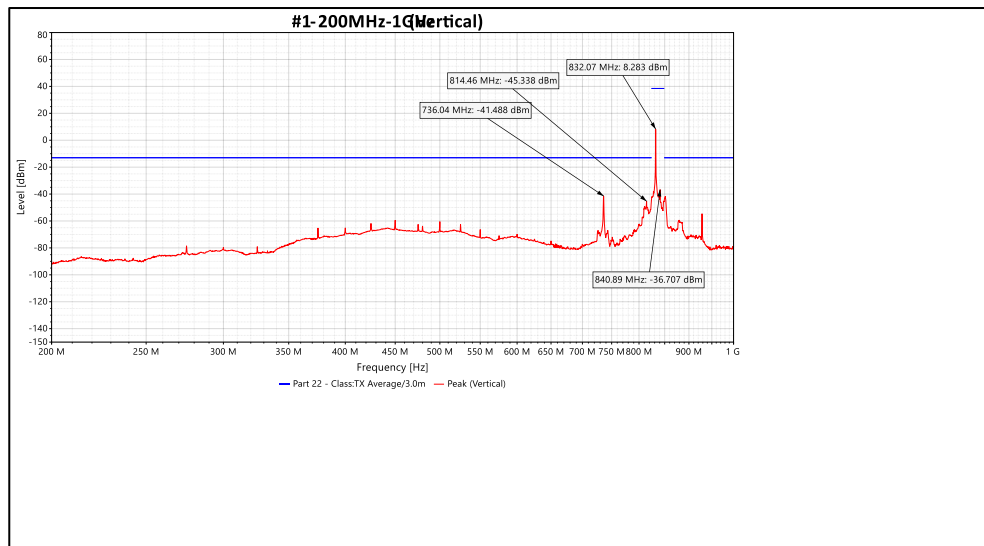
Frequency Range: 30MHz-200MHz

Polarization: Horizontal

**Test results for frequency range 200MHz – 1GHz**

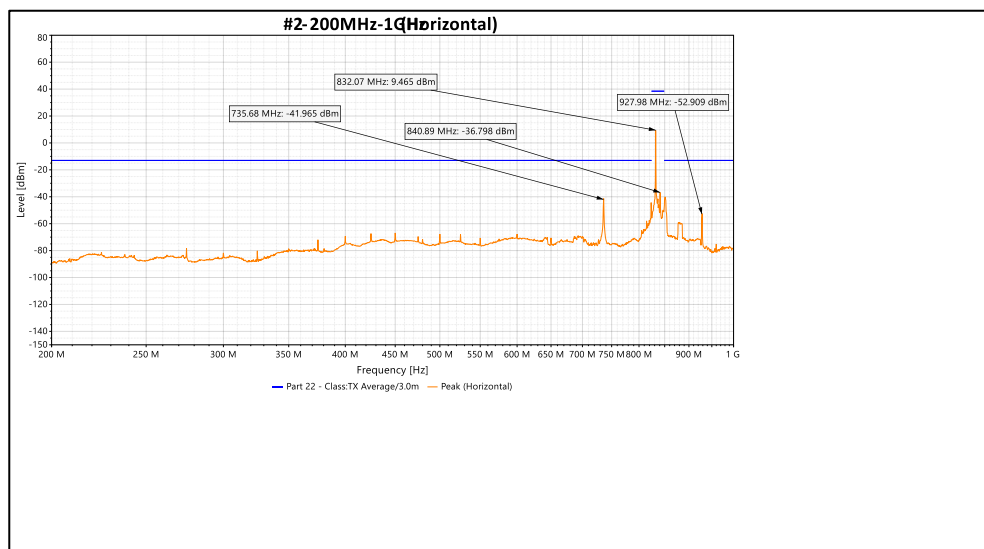
| Antenna Polarization | Measured Frequency (MHz) | Measured emission (dBm) | Limit (dBm) | Margin (dB) |
|----------------------|--------------------------|-------------------------|-------------|-------------|
| Vertical             | 736.04                   | -41.48                  | -13.00      | -28.48      |
|                      | 814.46                   | -45.33                  | -13.00      | -32.33      |
|                      | 832.07*                  | 8.28                    | -           | -           |
|                      | 840.89                   | -36.70                  | -13.00      | -23.70      |
| Horizontal           | 735.68                   | -41.96                  | -13.00      | -28.96      |
|                      | 832.07*                  | 9.46                    | -           | -           |
|                      | 840.89                   | -36.79                  | -13.00      | -23.79      |
|                      | 927.98                   | -52.90                  | -13.00      | -39.90      |

**Test Plots for Frequency range of 200MHz to 1GHz:**



**Frequency Range: 200MHz-1GHz**

**Polarization: Vertical**



**Frequency Range: 200MHz-1GHz**

**Polarization: Horizontal**