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| Report Reference ID: | REP074705 |
|----------------------|-----------|

| | |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test specification: | Title 47 – Telecommunication Chapter I – Federal Communications Commission Subchapter B – Common carrier services Part 27 – Miscellaneous wireless communications services |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| | |
|------------|--------------------------------------------------------------------------------------|
| Applicant: | TEKO Telecom Srl. Via Meucci, 24/a 40024 – Castel S. Pietro Terme (BO) – Italy |
| Apparatus: | Medium Power Remote Unit |
| Model: | TRU67E8AEWM/AC-WT |
| FCC ID: | XM2-MP67E8AE |

| | |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Testing laboratory: | Nemko Italy Spa Via del Carroccio, 4 20853 Biassono (MB) – Italy Telephone: +39 039 2201201 Facsimile: +39 039 2201221 |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------|


| | Name and title | Date |
|--------------|-----------------------------------------------------------------------------------------------------------------------------|------------|
| Tested by: |  P. Barbieri, Wireless/EMC Specialist | 2024-12-24 |
| Reviewed by: | R. Giampaglia, Laboratory manager | 2024-12-24 |

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Section 1: Report summary

1.1 Test specification

| | |
|-----------------------|-----------------------------------------------------------------|
| Specifications | Part 27 – Miscellaneous wireless communications services |
|-----------------------|-----------------------------------------------------------------|

1.2 Statement of compliance

| | |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Compliance | <p>In the configuration tested the EUT was found compliant</p> <p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>Test method: ANSI C63.26-2015, 935210 D05 Measurements guidance for industrial and non-consumer signal booster, repeater and amplifier devices v01r04.</p> |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

1.3 Exclusions

| | |
|-------------------|------|
| Exclusions | None |
|-------------------|------|

1.4 Registration number

| | |
|------------------------|--------|
| FCC site number | 682159 |
|------------------------|--------|

1.5 Test report revision history

| Revision # | Details of changes made to test report |
|------------|----------------------------------------|
| REP074705 | Original report issued |

1.6 Limits of responsibility

Note that the results contained in this report relate only to the items tested and were obtained in the period between the date of initial receipt of samples and the date of issue of the report.

This test report has been completed in accordance with the requirements of ISO/IEC 17025. Nemko Spa authorizes the applicant to reproduce this report provided it is reproduced in its entirety and for use by the company's employees only.

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Nemko Spa accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

Section 2: Summary of test results

2.1 FCC Part 27, test results

| Part | Methods | Test description | Verdict |
|-----------|-----------------------------|--------------------------------------------|---------|
| | § 935210 D05v01r04 (3.2) | AGC threshold | Pass |
| | § 935210 D05v01r04 (3.3) | Out of band rejection | Pass |
| | § 935210 D05v01r04 (3.4) | Occupied bandwidth | Pass |
| §27.50(c) | § 935210 D05v01r04 (3.5) | Peak output power at RF antenna connector | Pass |
| §27.53(g) | § 935210 D05v01r04 (3.6) | Spurious emissions at RF antenna connector | Pass |
| §27.53(g) | § 935210 D05v01r04 (3.8) | Radiated spurious emissions | Pass |
| §27.54 | § 935210 D05v01r04 (3.7) | Frequency stability | N/A a) |

Notes:

- a) NOT APPLICABLE: Modulation/frequency conversion circuitry not in use. No frequency change in EUT (input and output have same frequency)

Section 3: Equipment under test (EUT) and application details

3.1 Applicant details

| | | |
|-----------------------------------------|------------------------------------|------------------------|
| Applicant complete business name | Name: | Teko Telecom Srl |
| | Federal Registration Number (FRN): | 0018963462 |
| | Grantee code | XM2 |
| Mailing address | Address: | Via Meucci, 24/a |
| | City: | Castel S. Pietro Terme |
| | Province/State: | Bologna |
| | Post code: | 40024 |
| | Country: | Italy |

3.2 Modular equipment

| | |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------|
| a) Single modular approval | Single modular approval Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| b) Limited single modular approval | Limited single modular approval Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |

3.3 Product details

| | | |
|-------------------------------------------------|--------------------|-------------------|
| FCC ID | Grantee code: | XM2 |
| | Product code: | -MP67E8AE |
| Equipment class | B2I | |
| Description of product as it is marketed | Booster | |
| | Model name/number: | TRU67E8AEWM/AC-WT |
| | Serial number: | 1012791001 |

3.4 Application purpose

| | |
|----------------------------|------------------------------------------------------------------------------------------------------------------|
| Type of application | <input type="checkbox"/> Original certification |
| | <input type="checkbox"/> Change in identification of presently authorized equipment |
| | Original FCC ID: Grant date: |
| | <input checked="" type="checkbox"/> Class II permissive change or modification of presently authorized equipment |

Section 3: Equipment under test

3.5 Composite/related equipment

| | |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| a) Composite equipment | The EUT is a composite device subject to an additional equipment authorization Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| b) Related equipment | The EUT is part of a system that operates with, or is marketed with, another device that requires an equipment authorization Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| c) Related FCC ID | If either of the above is "yes": <input type="checkbox"/> has been granted under the FCC ID(s) listed below: <input type="checkbox"/> is in the process of being filled under the FCC ID(s) listed below: <input type="checkbox"/> is pending with the FCC ID(s) listed below: <input type="checkbox"/> has a mix of pending and granted statuses under the FCC ID(s) listed below: i FCC ID: XM2-MP67E8AE ii FCC ID: |

3.6 Sample information

| | |
|--------------------------------|-----------------|
| Receipt date: | 2024-12-13 |
| Nemko sample ID number: | PRJ007185400002 |

3.7 EUT technical specifications

| | |
|-----------------------------|----------------------------------------------------------------------------------------------------------|
| Operating band: | Down Link: 728-746 MHz – Up Link: 698-716 MHz |
| Operating frequency: | Wideband |
| Modulation type: | 5G NR (QAM and QPSK) |
| Occupied bandwidth: | 5G NR: 3 MHz to 15 MHz |
| Channel spacing: | standard |
| Emission designator: | 5G NR: D7W |
| RF Output | Down Link: 33dBm (2W) Up Link: N.A. (The EUT does not transmit over the air in the up-link direction) |
| Gain | Down Link: 38dB Up Link: N.A. (The EUT does not transmit over the air in the up-link direction) |
| Antenna type: | External Antenna is not provided, equipment that has an external 50 Ω RF connector |
| Power source: | 100-240 Vac |

Section 3: Equipment under test

3.8 Accessories and support equipment

The following information identifies accessories used to exercise the EUT during testing:

Item # 1

| | |
|------------------------|-----------------------|
| Type of equipment: | Master Unit - Subrack |
| Brand name: | Teko Telecom srl |
| Model name or number: | SUB-TRX-PSU |
| Serial number: | 1007067005 |
| Nemko sample number: | ----- |
| Connection port: | ----- |
| Cable length and type: | ----- |

Item # 2

| | |
|------------------------|---------------------------------|
| Type of equipment: | Master Unit – Management Module |
| Brand name: | Teko Telecom srl |
| Model name or number: | TSPV-EBB |
| Serial number: | 1007944030 |
| Nemko sample number: | ----- |
| Connection port: | LAN port |
| Cable length and type: | ----- |

Item # 3

| | |
|------------------------|-------------------------------------------------------------------------------------------------|
| Type of equipment: | Master Unit – Optical Module |
| Brand name: | Teko Telecom srl |
| Model name or number: | TTRU4W-S-M |
| Serial number: | 1008678019 |
| Nemko sample number: | ----- |
| Connection port: | DL/UL RF connector (to connect to the base station) Optical port (to connect to remote unit) |
| Cable length and type: | ----- |

Item # 4

| | |
|------------------------|----------------------------|
| Type of equipment: | Master Unit – Power Supply |
| Brand name: | Teko Telecom srl |
| Model name or number: | TPSU/AC |
| Serial number: | 100012284 |
| Nemko sample number: | ----- |
| Connection port: | ----- |
| Cable length and type: | ----- |

Section 3: Equipment under test

3.9 Operation of the EUT during testing

Details:

In down-link direction, normal working at max gain with max RF power output.

3.10 EUT setup diagram

In this system, Remote Unit is the EUT. Master Unit includes only management module and optical module (to convert RF signal in optical signal in down link direction and vice versa optical signal in RF signal in uplink direction). As described in “Operational description”, master unit is connected directly to base station, so the system doesn’t use another equipment (under another FCC ID) to exercise the EUT. Signal generator is linked directly to the RF connector of optical module in the Master Unit.

Test setup for output power, occupied bandwidth, spurious emissions:

Procedure

Connect the signal modulated generator to the input of the EUT, so that the EUT works at the max gain. Raise the input level to the EUT until reach the maximum output power. Connect the spectrum analyzer to the RF output connector of the EUT.

Section 4: Engineering considerations

4.1 Modifications incorporated in the EUT

Modifications

Modifications performed to the EUT during this assessment
None ☒ Yes ☐, performed by Client ☐ or Nemko ☐
Details:

4.2 Deviations from laboratory tests procedures

Deviations

Deviations from laboratory test procedures
None ☒ Yes ☐ - details are listed below:

4.3 Technical judgment

Judgment

None

Section 5: Test conditions

5.1 Deviations from laboratory tests procedures

No deviations were made from laboratory test procedures.

5.2 Test conditions, power source and ambient temperatures

| | |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Normal temperature, humidity and air pressure test conditions | Temperature: 18–33 °C Relative humidity: 25–75 % Air pressure: 86–106 kPa When it is impracticable to carry out tests under these conditions, a note to this effect stating the ambient temperature and relative humidity during the tests shall be recorded and stated. |
| Power supply range: | The normal test voltage for equipment to be connected to the mains shall be the nominal mains voltage. For the purpose of the present document, the nominal voltage shall be the declared voltage, or any of the declared voltages $\pm 5\%$, for which the equipment was designed. |

5.3 Measurement uncertainty

The measurement uncertainty was calculated for each test and quantity listed in this test report, according to CISPR 16-4-2 and other specific test standard and is documented in Nemko Spa working manual WML1002. The assessment of conformity for each test performed on the equipment is performed not taking into account the measurement uncertainty. The two following possible verdicts are stated in the report:

P (Pass) - The measured values of the equipment respect the specification limit at the points tested. The specific risk of false accept is up to 50% when the measured result is close to the limit.

F (Fail) - One or more measured values of the equipment do not respect the specification limit at the points tested. The specific risk of false reject is up to 50% when the measured result is close to the limit.

Hereafter Nemko's measurement uncertainties are reported:

Section 5: Test conditions, continued

| EUT | Type | Test | Range | Measurement Uncertainty | Notes |
|-------------|-----------|-----------------------------------------------------------------------------------------------|----------------------|-------------------------|-------|
| Transmitter | Conducted | Frequency error | 0.001 MHz ÷ 40 GHz | 0.08 ppm | (1) |
| | | Carrier power RF Output Power | 0.009 MHz ÷ 30 MHz | 1.1 dB | (1) |
| | | | 30 MHz ÷ 18 GHz | 1.5 dB | (1) |
| | | | 18 MHz ÷ 40 GHz | 3.0 dB | (1) |
| | | | 40 MHz ÷ 140 GHz | 5.0 dB | (1) |
| | | Adjacent channel power | 1 MHz ÷ 18 GHz | 1.4 dB | (1) |
| | | Conducted spurious emissions | 0.009 MHz ÷ 18 GHz | 3.0 dB | (1) |
| | | | 18 GHz ÷ 40 GHz | 4.2 dB | (1) |
| | | | 40 GHz ÷ 220 GHz | 6.0 dB | (1) |
| | | Intermodulation attenuation | 1 MHz ÷ 18 GHz | 2.2 dB | (1) |
| | | Attack time – frequency behaviour | 1 MHz ÷ 18 GHz | 2.0 ms | (1) |
| | | Attack time – power behaviour | 1 MHz ÷ 18 GHz | 2.5 ms | (1) |
| | | Release time – frequency behaviour | 1 MHz ÷ 18 GHz | 2.0 ms | (1) |
| | | Release time – power behaviour | 1 MHz ÷ 18 GHz | 2.5 ms | (1) |
| | | Transient behaviour of the transmitter– Transient frequency behaviour | 1 MHz ÷ 18 GHz | 0.2 kHz | (1) |
| | | Transient behaviour of the transmitter – Power level slope | 1 MHz ÷ 18 GHz | 9% | (1) |
| | | Frequency deviation - Maximum permissible frequency deviation | 0.001 MHz ÷ 18 GHz | 1.3% | (1) |
| | | Frequency deviation - Response of the transmitter to modulation frequencies above 3 kHz | 0.001 MHz ÷ 18 GHz | 0.5 dB | (1) |
| | | Dwell time | - | 3% | (1) |
| | | Hopping Frequency Separation | 0.01 MHz ÷ 18 GHz | 1% | (1) |
| | | Occupied Channel Bandwidth | 0.01 MHz ÷ 18 GHz | 2% | (1) |
| | | Modulation Bandwidth | 0.01 MHz ÷ 18 GHz | 2% | (1) |
| Receiver | Radiated | Radiated spurious emissions | 0.009 MHz ÷ 26.5 GHz | 6.0 dB | (1) |
| | | | 26.5 GHz ÷ 66 GHz | 8.0 dB | (1) |
| | | | 66 GHz ÷ 220 GHz | 10 dB | (1) |
| | | Effective radiated power transmitter | 10 kHz ÷ 26.5 GHz | 6.0 dB | (1) |
| | | | 26.5 GHz ÷ 66 GHz | 8.0 dB | (1) |
| | Conducted | Radiated spurious emissions | 66 GHz ÷ 220 GHz | 10 dB | (1) |
| | | | 0.009 MHz ÷ 26.5 GHz | 6.0 dB | (1) |
| | | | 26.5 GHz ÷ 66 GHz | 8.0 dB | (1) |
| | | Sensitivity measurement | 1 MHz ÷ 18 GHz | 6.0 dB | (1) |
| | | | 0.009 MHz ÷ 18 GHz | 3.0 dB | (1) |
| | Conducted | Conducted spurious emissions | 18 GHz ÷ 40 GHz | 4.2 dB | (1) |
| | | | 40 GHz ÷ 220 GHz | 6.0 dB | (1) |
| | | | | | |

NOTES:

(1) The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k = 2$, which for a normal distribution corresponds to a coverage probability of approximately 95 %

Section 5: Test conditions, continued

5.4 Test equipment

| Equipment | Manufacturer | Model No. | Asset/Serial No. | Next cal. |
|-------------------------------|-----------------|-------------------------|------------------|-----------|
| Vector Signal Generator | Keysight | N5182B MXG | MY59100262 | 2025-07 |
| Vector Signal Generator | Keysight | N5182B MXG | MY61252595 | 2025-11 |
| Spectrum Analyzer | Keysight | N9030B PXA | MY62282033 | 2024-12 |
| Combiner | Miczen | MZP200506GA (0.5-6 GHz) | 210314001 | COU |
| Antenna Trilog 25MHz - 8GHz | Schwarzbeck | VULB9168 | 9168-242 | 2025-06 |
| Antenna 1-18 GHz | Schwarzbeck | STLP 9148 | STPL 9148-123 | 2025-06 |
| Double Ridge Horn Antenna | RFSpin | DRH40 | 061106A40 | 2026-05 |
| Broadband Amplifier | Schwarzbeck | BBV9718C | 00121 | 2025-03 |
| Broadband Bench Top Amplifier | Sage | STB-1834034030-KFKF-L1 | 18490-01 | 2025-05 |
| EMI Receiver | Rohde & Schwarz | ESU8 | 100202 | 2025-09 |
| Spectrum analyzer | R&S | FSW43 | 101767 | 2025-01 |
| Controller | Maturo | FCU3.0 | 10041 | NCR |
| Tilt antenna mast | Maturo | TAM4.0-E | 10042 | NCR |
| Turntable | Maturo | TT4.0-5T | 2.527 | NCR |
| 3m Semi anechoic chamber | Comtest | SAC-3 | 1711-150 | NCR |

Note: N/A = Not Applicable, NCR = No Cal Required, COU = CAL On Use
 (*) Equipment supplied by manufacturer's

Appendix A: Test results

Clause 935210 D05v01r04 (3.2) AGC threshold

Measure of EUT AGC Threshold

Test date: 2024-12-16 to 2024-12-19

Test results: Pass

Special notes

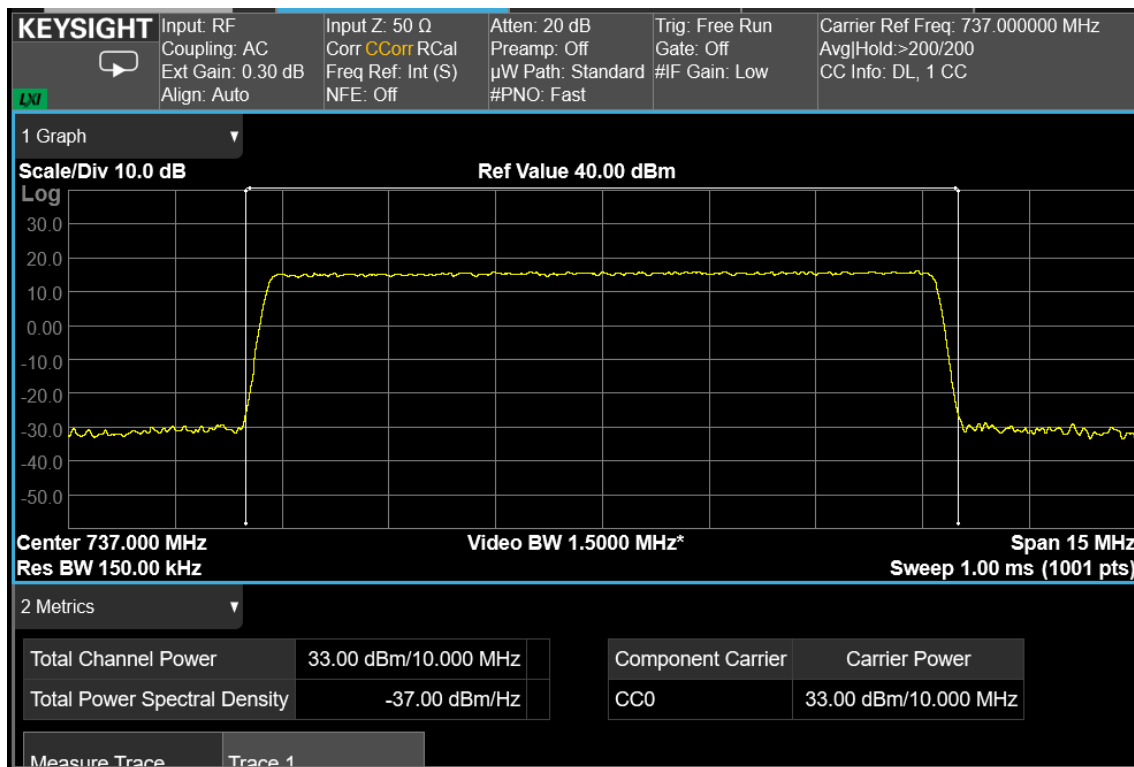
—

Test equipment

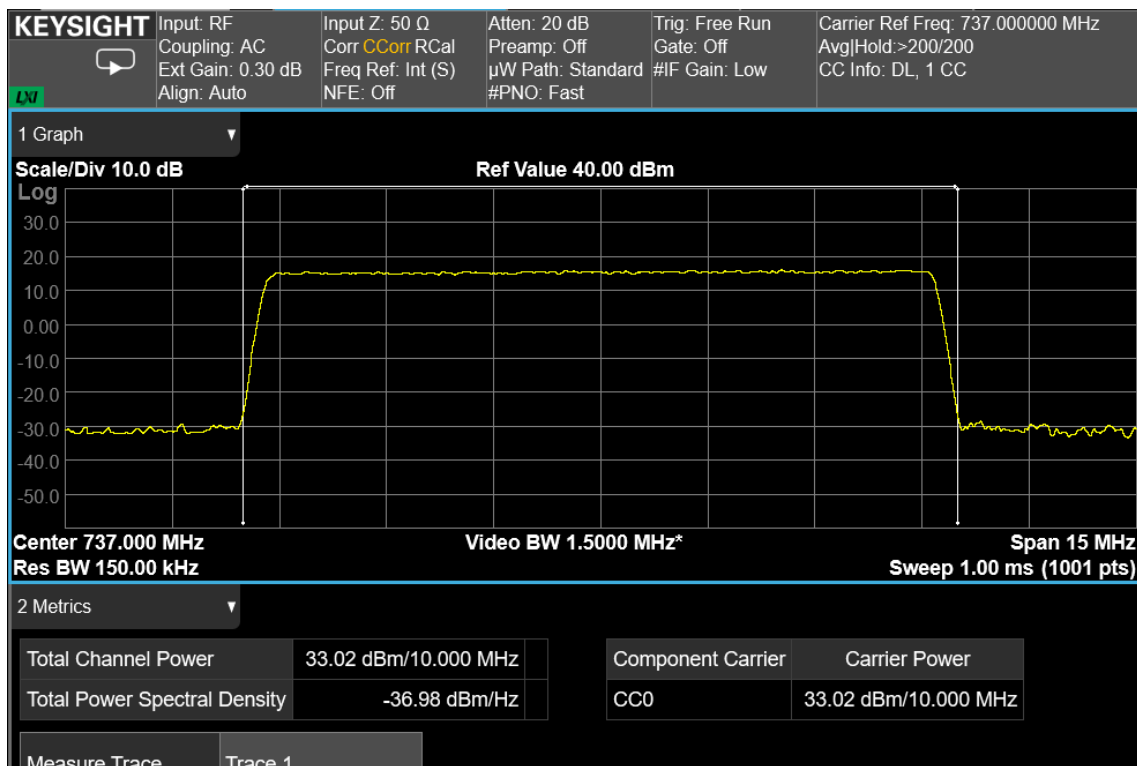
| Equipment | Manufacturer | Model No. | Asset/Serial No. | Next cal. |
|-------------------------|--------------|------------|------------------|-----------|
| Vector Signal Generator | Keysight | N5182B MXG | MY59100262 | 2025-07 |
| Spectrum Analyzer | Keysight | N9030B PXA | MY62282033 | 2024-12 |

Note: N/A = Not Applicable, NCR = No Cal Required, COU = CAL On Use
(*) Equipment supplied by manufacturer's

Test data



10 MHz signal, middle channel, nominal input signal



10 MHz signal, middle channel, nominal input signal +1 dB

Clause 935210 D05v01r04 (3.3) Out of band rejection

Out of Band Rejection – Test for rejection of out of band signals.

Test date: 2024-12-16 to 2024-12-19

Test results: Pass

Special notes

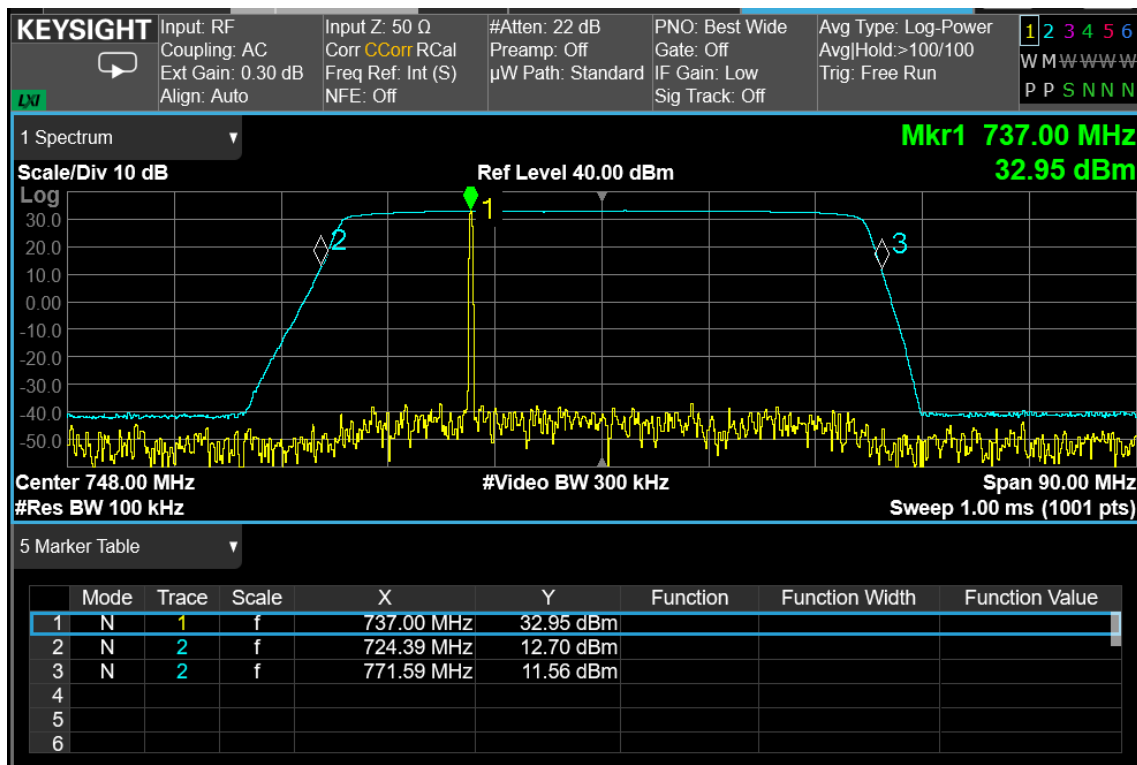
–

Test equipment

| Equipment | Manufacturer | Model No. | Asset/Serial No. | Next cal. |
|-------------------------|--------------|------------|------------------|-----------|
| Vector Signal Generator | Keysight | N5182B MXG | MY59100262 | 2025-07 |
| Spectrum Analyzer | Keysight | N9030B PXA | MY62282033 | 2024-12 |

Note: N/A = Not Applicable, NCR = No Cal Required, COU = CAL On Use
(*) Equipment supplied by manufacturer's

Test data



Clause 935210 D05v01r04 (3.4) Occupied bandwidth

A 26 dB bandwidth measurement shall be performed on the input signal and the output signal; alternatively, the 99% OBW can be measured and used.

Test date: 2024-12-16 to 2024-12-19

Test results: Pass

Special notes

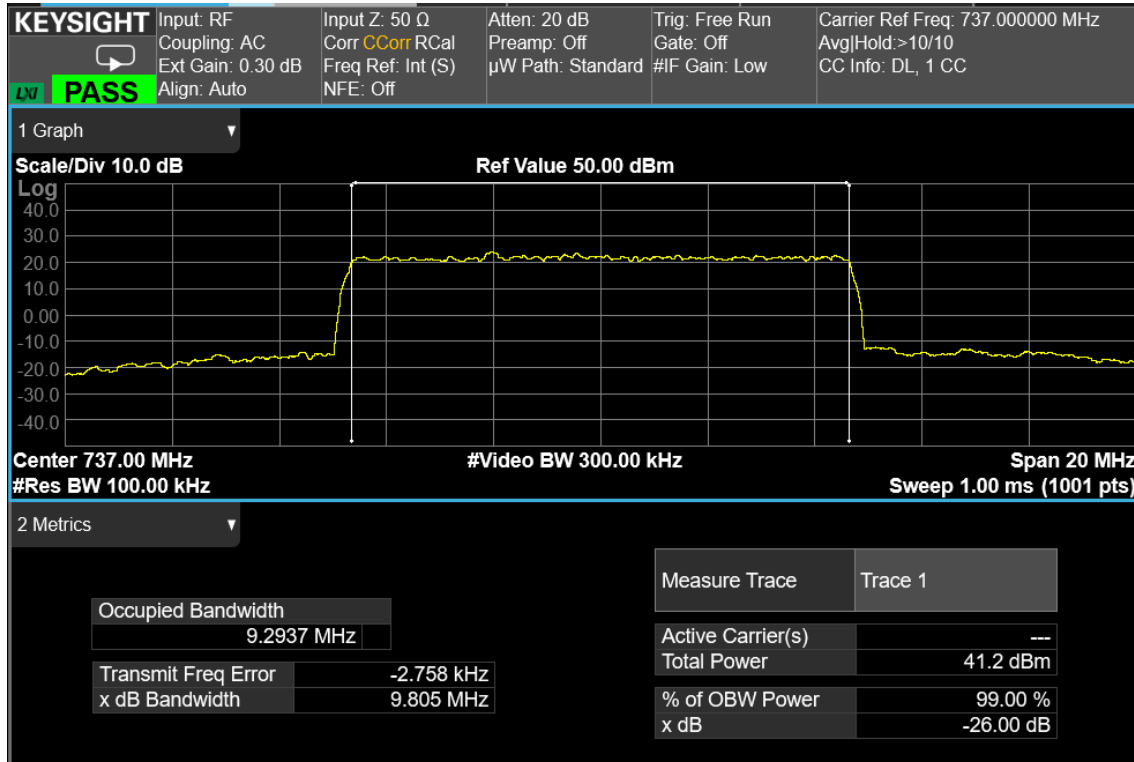
-

Test equipment

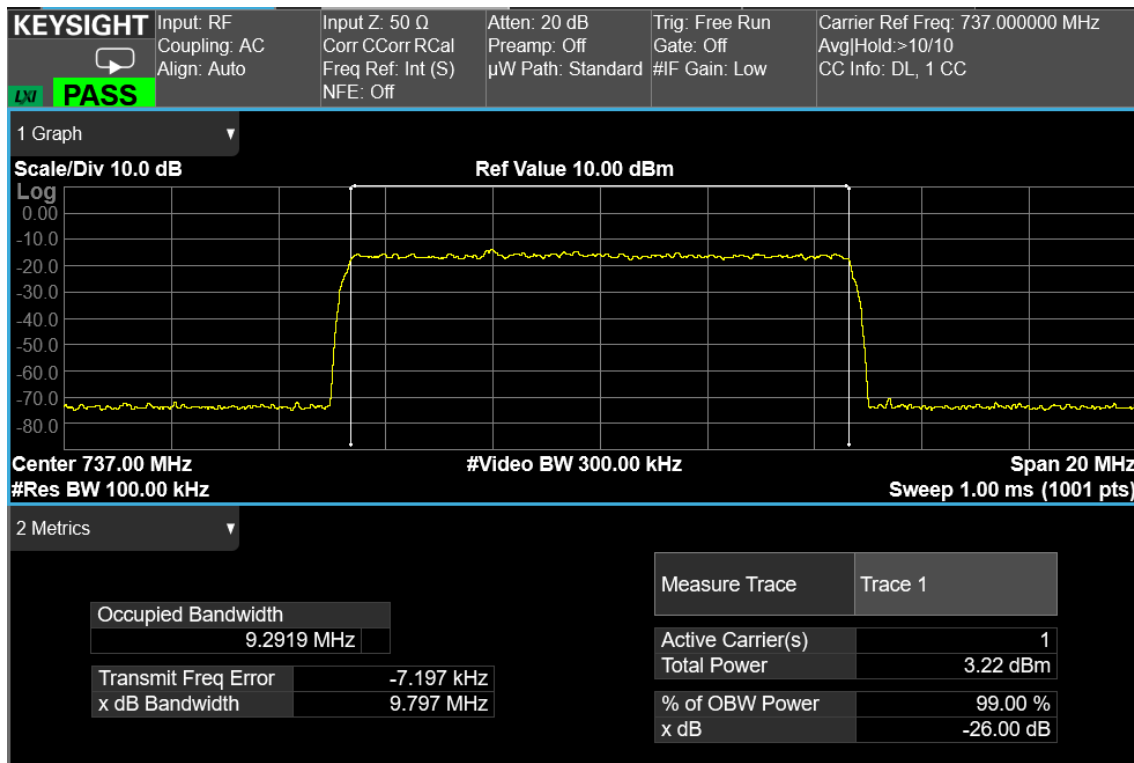
| Equipment | Manufacturer | Model No. | Asset/Serial No. | Next cal. |
|-------------------------|--------------|------------|------------------|-----------|
| Vector Signal Generator | Keysight | N5182B MXG | MY59100262 | 2025-07 |
| Spectrum Analyzer | Keysight | N9030B PXA | MY62282033 | 2024-12 |

Note: N/A = Not Applicable, NCR = No Cal Required, COU = CAL On Use
(*) Equipment supplied by manufacturer's

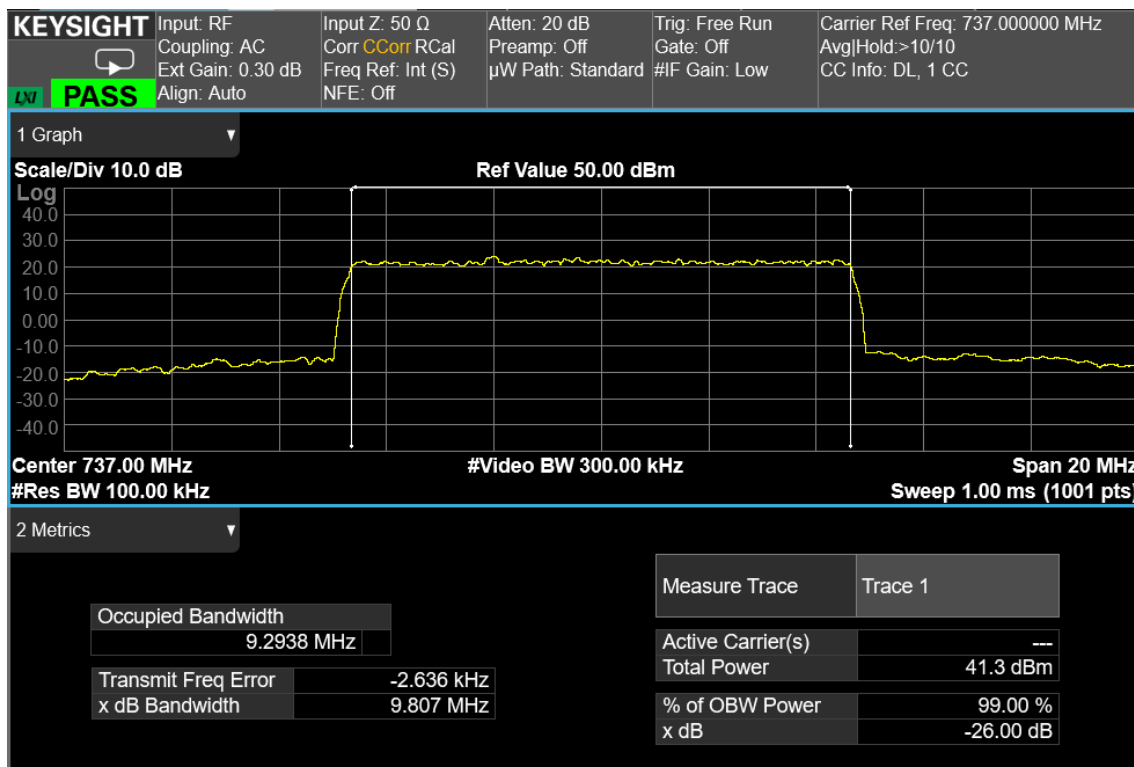
Test data



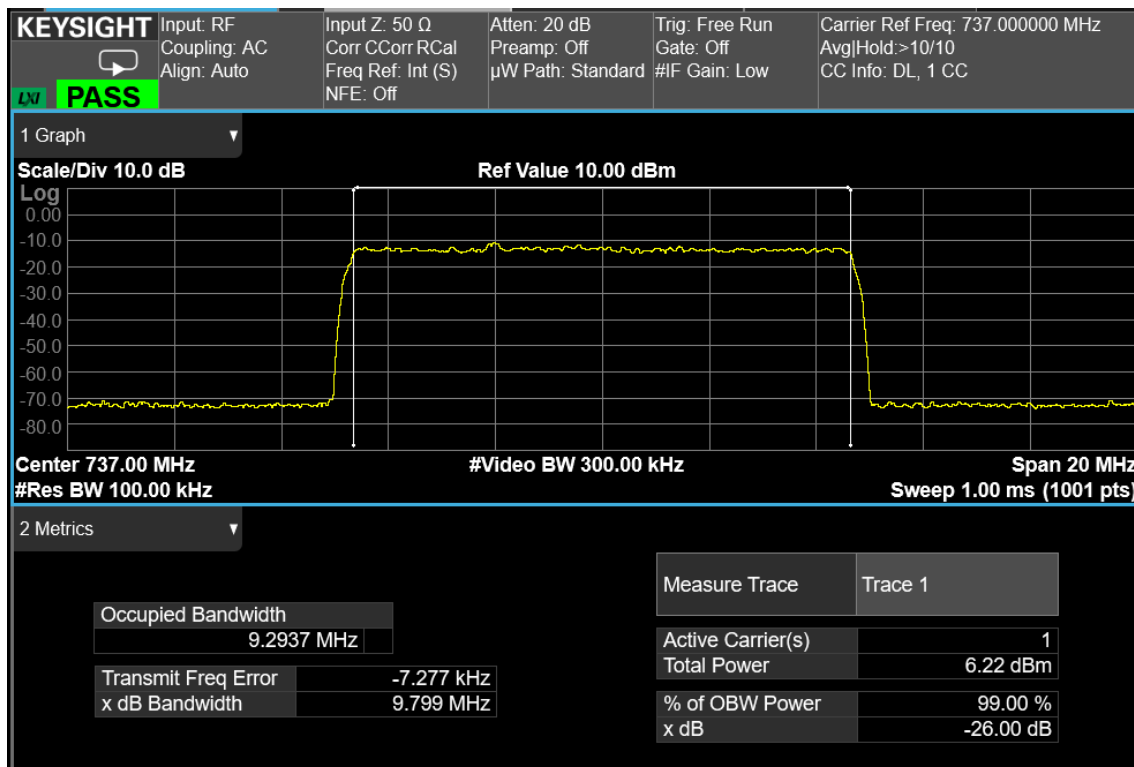
10 MHz signal, middle channel, nominal input signal - Output



10 MHz signal, middle channel, nominal input signal - Input



10 MHz signal, middle channel, nominal input signal + 3dB - Output



10 MHz signal, middle channel, nominal input signal + 3dB - Input

Clause 27.50(c) Peak output power at RF antenna connector

§ 27.50(c) The following power and antenna height requirements apply to stations transmitting in the 600 MHz band and the 698-746MHz:

- 3) Fixed and base stations transmitting a signal with an emission bandwidth greater than 1 MHz must not exceed an ERP of 1000 watts/MHz and an antenna height of 305 m HAAT, except that antenna heights greater than 305 m HAAT are permitted if power levels are reduced below 1000 watts/MHz ERP in accordance with Table 3 of this section;
- 11) Licensees may employ equipment operating in compliance with either the measurement techniques described in paragraph (b)(11) of this section or a Commission-approved average power technique. In both instances, equipment employed must be authorized in accordance with the provisions of § 27.51.

Test date: 2024-12-16 to 2024-12-19

Test results: Pass

Special notes

-

Test equipment

| Equipment | Manufacturer | Model No. | Asset/Serial No. | Next cal. |
|-------------------------|--------------|------------|------------------|-----------|
| Vector Signal Generator | Keysight | N5182B MXG | MY59100262 | 2025-07 |
| Spectrum Analyzer | Keysight | N9030B PXA | MY62282033 | 2024-12 |

Note: N/A = Not Applicable, NCR = No Cal Required, COU = CAL On Use
(*) Equipment supplied by manufacturer's

Test data

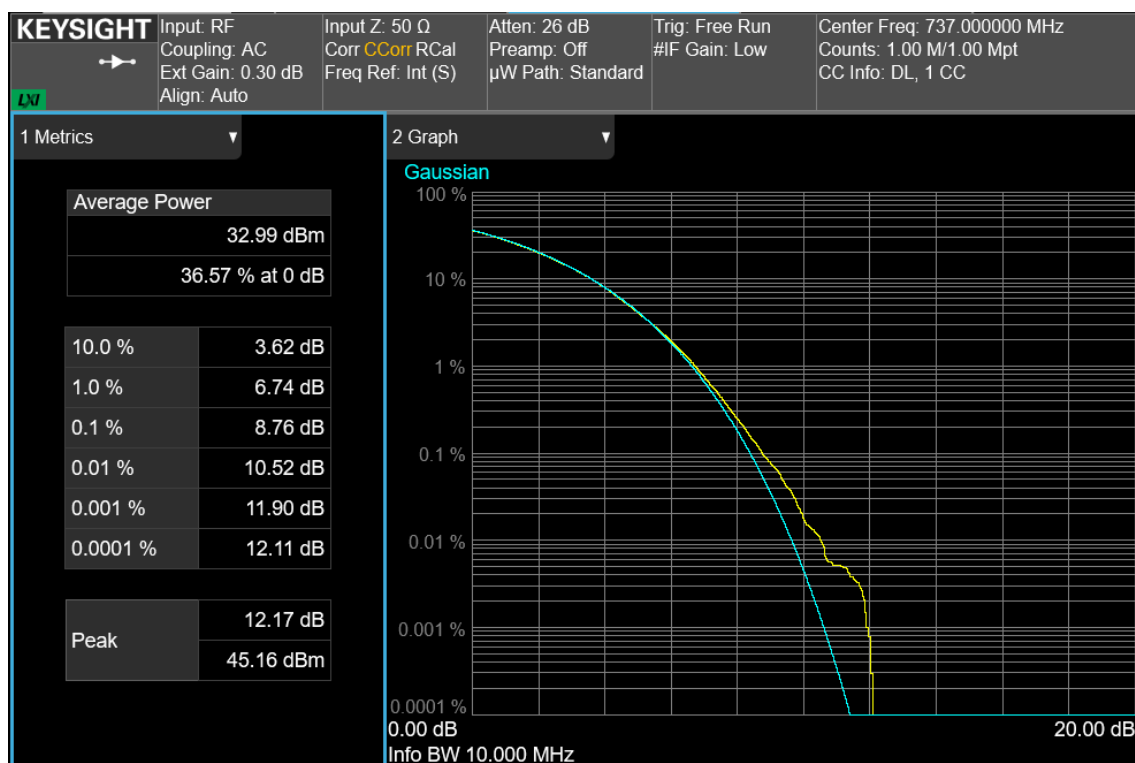
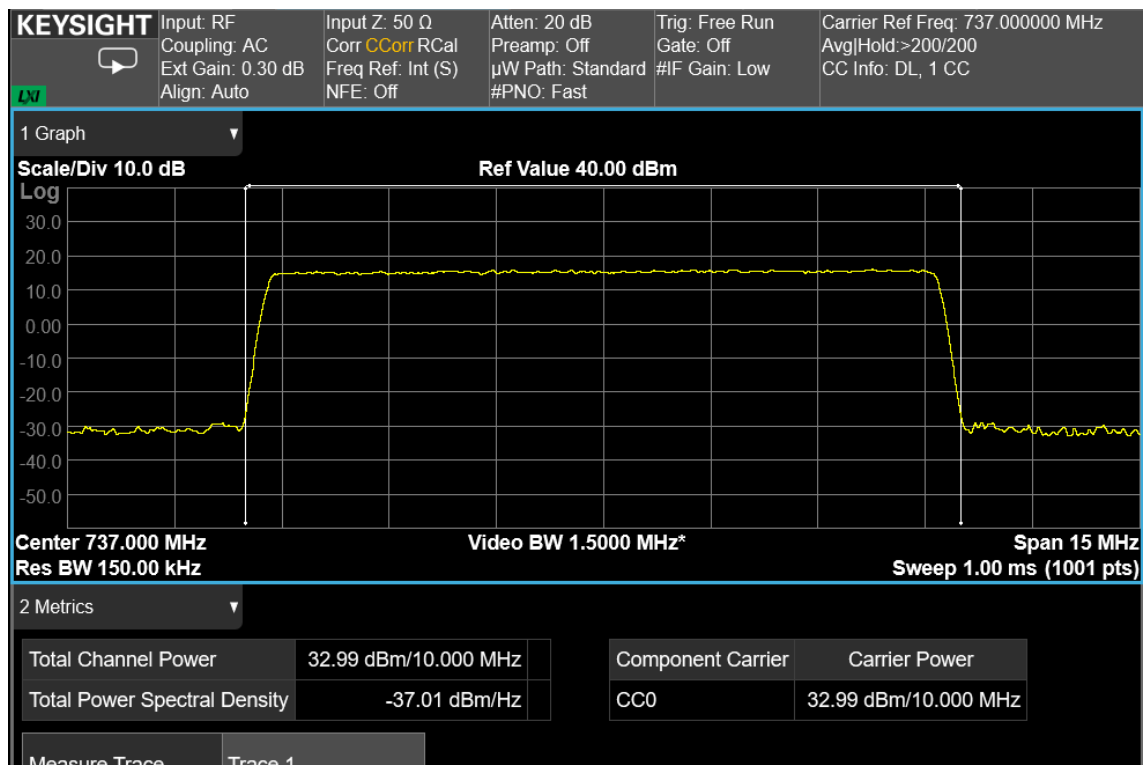
AWGN signal, nominal input signal

| Test data | | | | | | |
|-----------|---------------|-----------------|-----------------------|-----------------------------|-------------------------|----------|
| Direction | Modulation | Frequency (MHz) | RF output Power (dBm) | RF output channel Power (W) | RF output Power (W/MHz) | PAR (dB) |
| Down-link | 5G NR, 10 MHz | 737.0 | 33.0 | 2.0 | 0.2 | 12.2 |

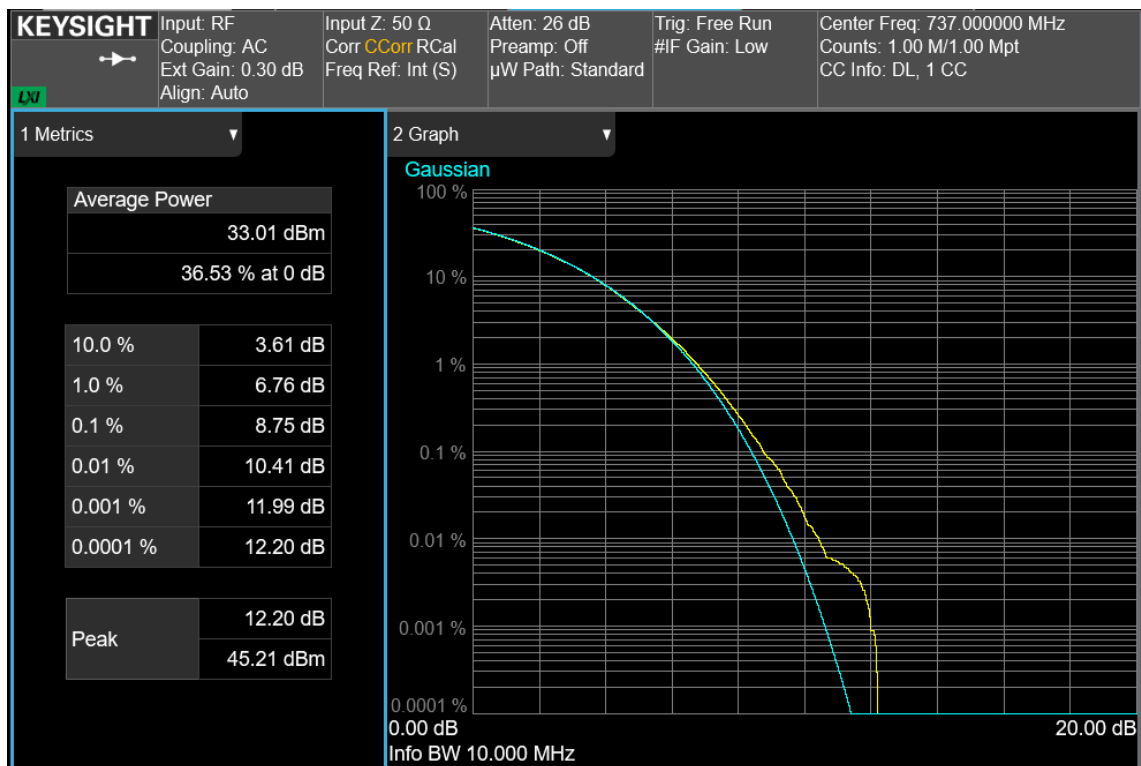
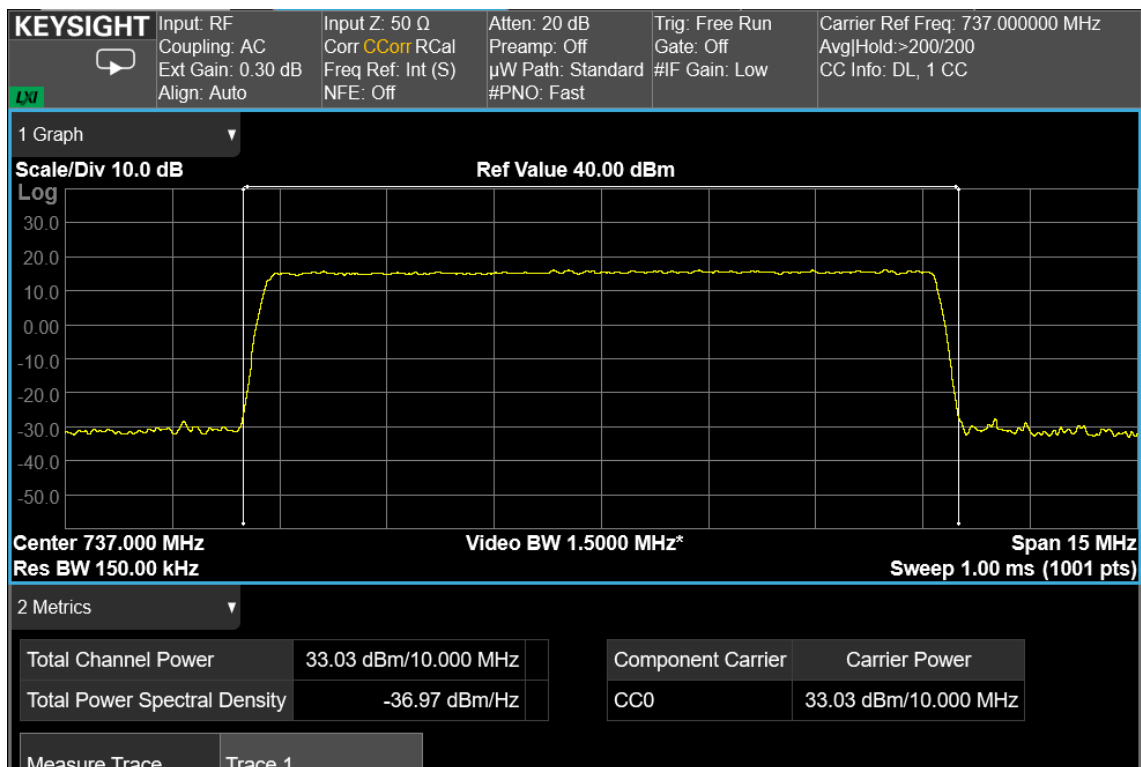
AWGN signal, nominal input signal + 3dB

| Test data | | | | | | |
|-----------|---------------|-----------------|-----------------------|-----------------------------|-------------------------|----------|
| Direction | Modulation | Frequency (MHz) | RF output Power (dBm) | RF output channel Power (W) | RF output Power (W/MHz) | PAR (dB) |
| Down-link | 5G NR, 10 MHz | 737.0 | 33.0 | 2.0 | 0.2 | 12.2 |

Note: PAR measure is performed by the “CCDF” function installed on Spectrum analyzer that provides average power (the same measured with “Channel power” function), peak power and PAR.



10 MHz signal, middle channel, nominal input signal



10 MHz signal, middle channel, nominal input signal + 3dB

Clause 27.53(g) Spurious emissions at RF antenna connector

(g) For operations in the 600 MHz band and the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB.

Compliance with the provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

Test date: 2024-12-16 to 2024-12-19

Test results: Pass

Special notes

For Class 2 Permissive Change new tests were performed only on band edges intermodulation. For previous spurious emissions tests at RF antenna connector see **372719-2TRFWL.pdf** report.

Test equipment

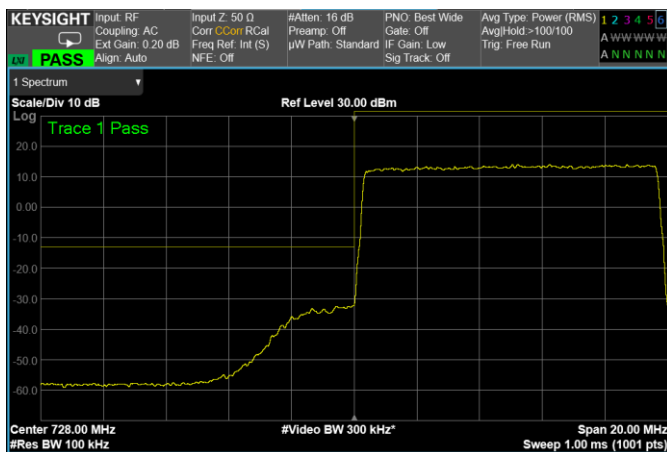
| Equipment | Manufacturer | Model No. | Asset/Serial No. | Next cal. |
|-------------------------|--------------|-------------------------|------------------|-----------|
| Vector Signal Generator | Keysight | N5182B MXG | MY59100262 | 2025-07 |
| Vector Signal Generator | Keysight | N5182B MXG | MY61252595 | 2025-11 |
| Spectrum Analyzer | Keysight | N9030B PXA | MY62282033 | 2024-12 |
| Combiner | Miczen | MZP200506GA (0.5-6 GHz) | 210314001 | COU |

Note: N/A = Not Applicable, NCR = No Cal Required, COU = CAL On Use

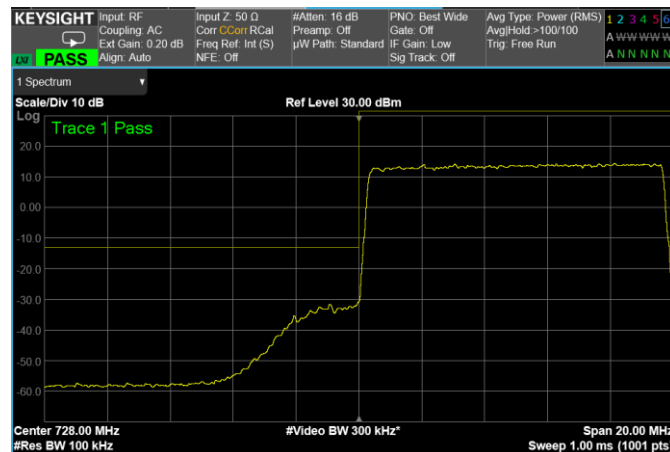
(*) Equipment supplied by manufacturer's

| Test data | | | |
|-----------------------------------------|-------------------------|-------------|-------------|
| See Plots below | | | |
| Spurious emissions measurement results: | | | |
| Frequency (MHz) | Spurious emission (dBm) | Limit (dBm) | Margin (dB) |
| First channel | Negligible | -13 | |
| | | | |
| Mid channel | Negligible | -13 | |
| | | | |
| Last channel | Negligible | -13 | |

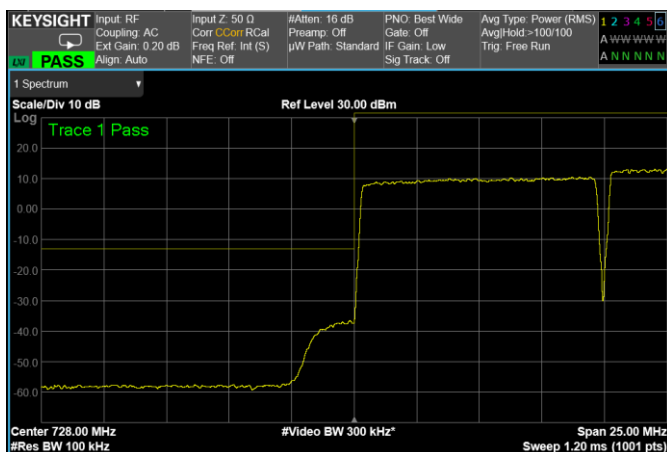
Test data, continued: band edges Inter modulation



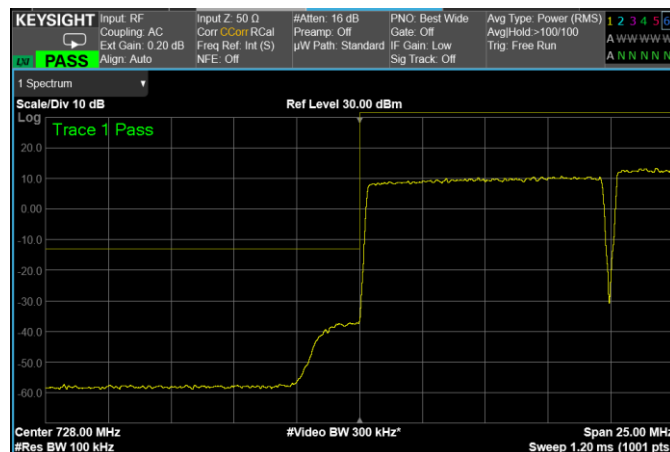
10 MHz signal, Low Band Edge, 1 carrier, nominal input signal



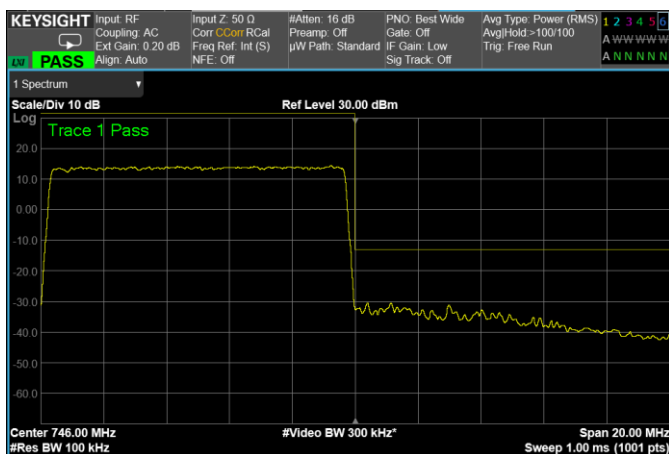
10 MHz signal, Low Band Edge, 1 carrier, nominal input signal + 3dB



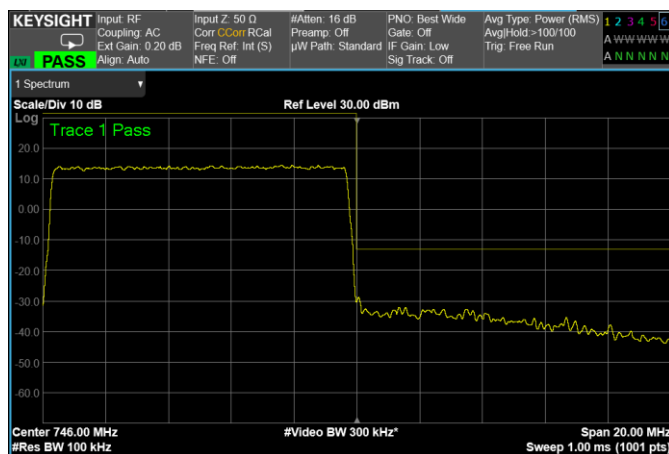
10 MHz + 5 MHz signals, Low Band Edge, 2 carriers, nominal input signal



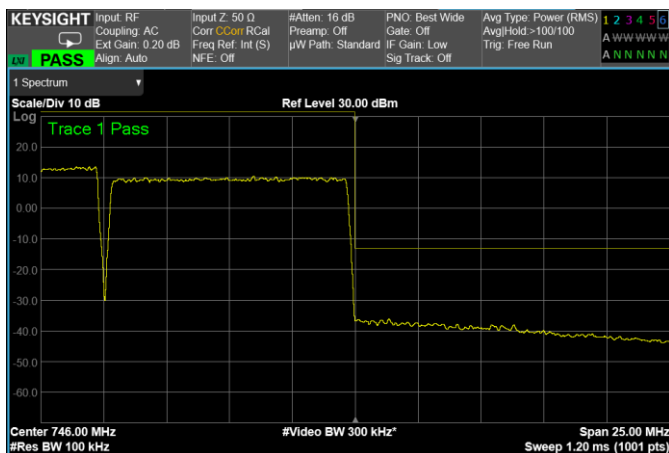
10 MHz + 5 MHz signals, Low Band Edge, 2 carriers, nominal input signal + 3dB



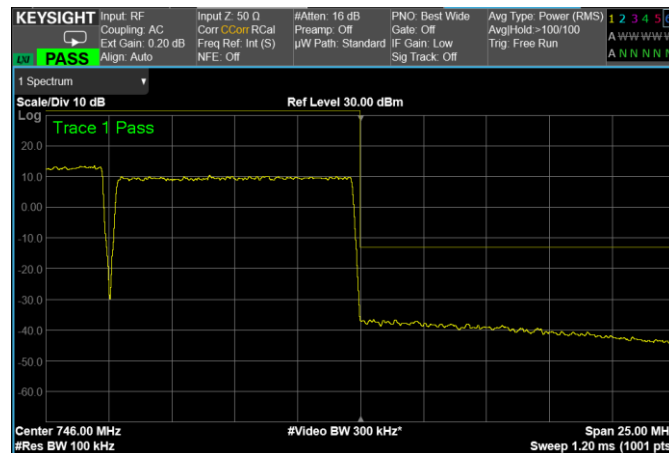
10 MHz signal, High Band Edge, 1 carrier, nominal input signal



10 MHz signal, High Band Edge, 1 carrier, nominal input signal + 3dB



5 MHz + 10 MHz signals, High Band Edge, 2 carriers, nominal input signal



5 MHz + 10 MHz signals, High Band Edge, 2 carriers, nominal input signal + 3dB

Clause 27.53(g) Radiated Spurious emissions

(g) For operations in the 600 MHz band and the 698–746 MHz band the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB.

Compliance with the provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed

Test date: N/A

Test results: N/A

Special notes

- Test not performed because not requested for a Class 2 Permissive Change.
- For previous radiated spurious emission tests see **372719-2TRFWL.pdf** report.

Test equipment

| Equipment | Manufacturer | Model No. | Asset/Serial No. | Next cal. |
|-----------|--------------|-----------|------------------|-----------|
| | | | | |

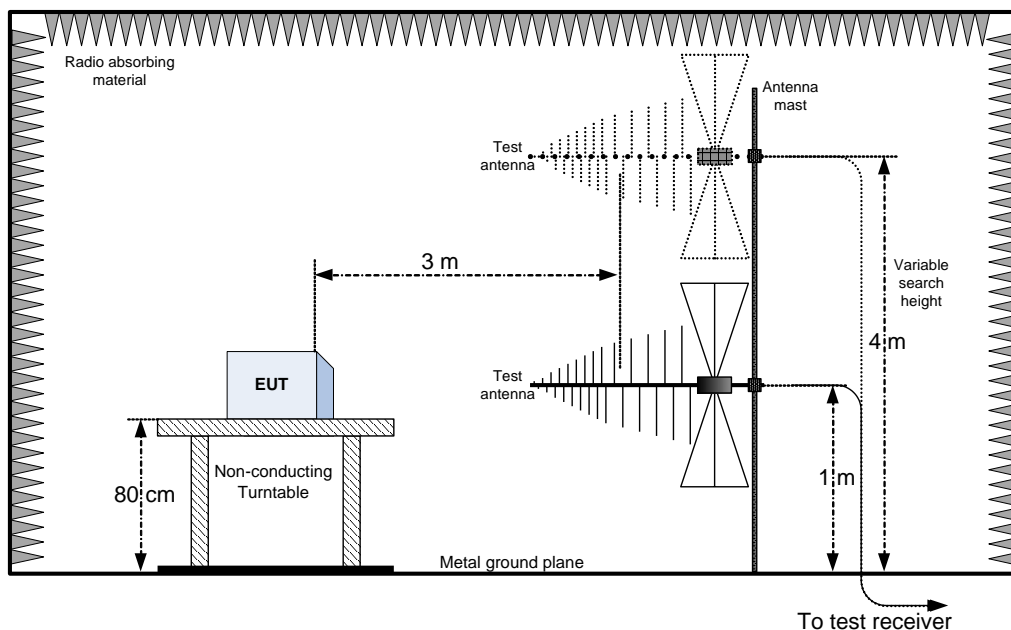
Note: N/A = Not Applicable, NCR = No Cal Required, COU = CAL On Use
(*) Equipment supplied by manufacturer's

Clause 27.53(g) Radiated spurious emissions, continued

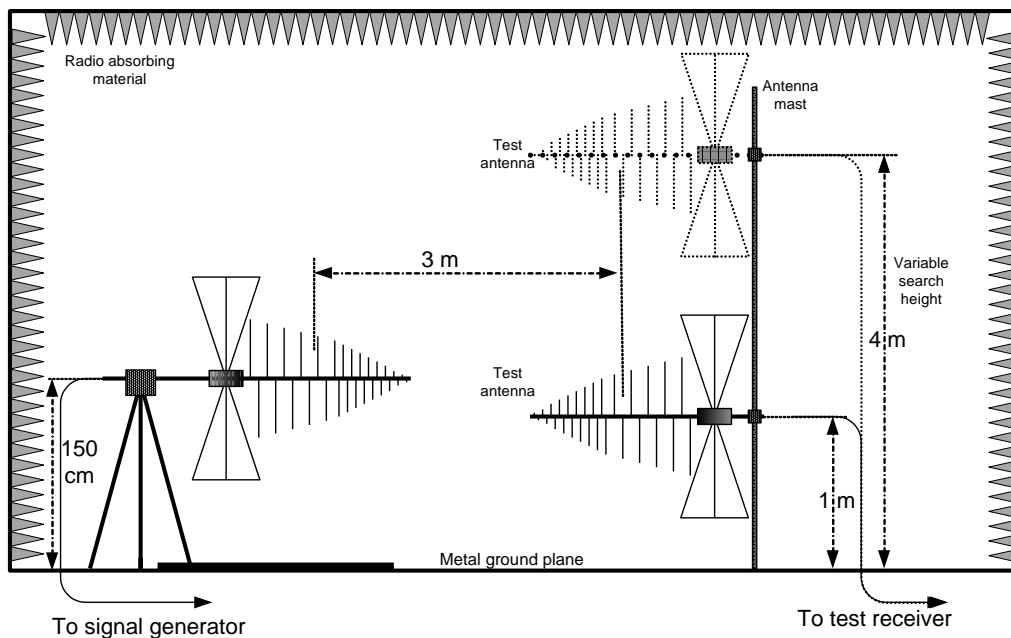
| Test data | | | | |
|-----------------------------------------|----------------------|-------------------------|----------------|----------------|
| Spurious emissions measurement results: | | | | |
| Frequency (MHz) | Polarization. V/H | Field strength (dBm) | Limit (dBm) | Margin (dB) |
| Low channel | | | | |
| - | | | | |
| - | | | | |
| - | | | | |
| Mid channel | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| High channel | | | | |
| - | | | | |
| - | | | | |
| - | | | | |
| Note: | | | | |

Appendix B: Block diagrams of test set-ups

Radiated emissions set-up



Substitution method set-up

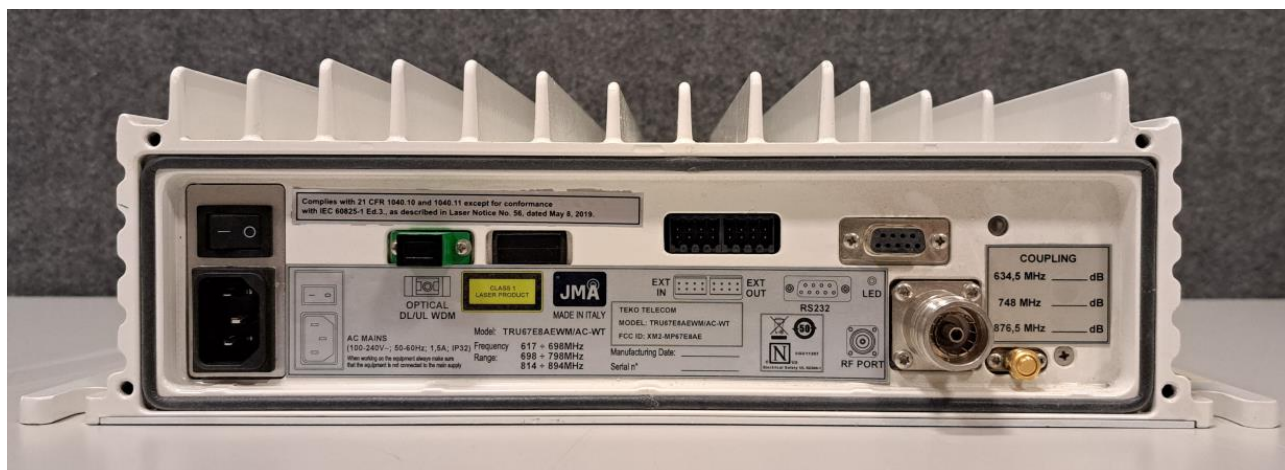


Appendix C: EUT Photos

Photo Set up



Photo EUT





- END OF REPORT -