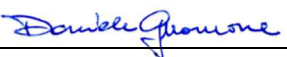


|                             |               |
|-----------------------------|---------------|
| <b>Report Reference ID:</b> | 468302-2TRFWL |
|-----------------------------|---------------|

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

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| <b>Applicant:</b> | TEKO Telecom Srl.<br>Via Meucci, 24/a<br>I-40024 Castel S. Pietro Terme (BO) (Italy) |
| <b>Apparatus:</b> | Cell Hub High-Power Radio Remote Unit                                                |
| <b>Model:</b>     | XR25WH2/ACY-C                                                                        |
| <b>FCC ID:</b>    | XM2-X25H2                                                                            |

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

|                     | Name and title                                                                                                             | Date       |
|---------------------|----------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Tested by:</b>   | <br><hr/> P. Barbieri (project handler) | 07/01/2022 |
| <b>Reviewed by:</b> | <br><hr/> D. Guarnone (verifier)        | 07/01/2022 |

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## Section 1: Report summary

### 1.1 Test specification

|                       |                                                                 |
|-----------------------|-----------------------------------------------------------------|
| <b>Specifications</b> | <b>Part 27 – Miscellaneous wireless communications services</b> |
|-----------------------|-----------------------------------------------------------------|

### 1.2 Statement of compliance

|                   |                                                                                                                                                                                                                                                                                  |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Compliance</b> | <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, 662911 D01 Multiple Transmitter Output v02r01, 662911 D02 MIMO with Cross-Polarized Antennas v01</p> |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 1.3 Exclusions

|                   |      |
|-------------------|------|
| <b>Exclusions</b> | None |
|-------------------|------|

### 1.4 Registration number

|                                |        |
|--------------------------------|--------|
| <b>Test site FCC ID number</b> | 682159 |
|--------------------------------|--------|

### 1.5 Test report revision history

|                   |                                               |
|-------------------|-----------------------------------------------|
| <b>Revision #</b> | <b>Details of changes made to test report</b> |
| TRFWL             | 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.

Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties.

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 |
|--------------|---------|--------------------------------------------------|---------|
| §27.53(m)(6) | 2.1049  | Occupied bandwidth                               | Pass    |
| §27.50(h)    | 2.1046  | Peak output power at RF antenna connector (EIRP) | Pass    |
| §27.50(h)    | 2.1046  | Peak output power at RF antenna connector (PAPR) | Pass    |
| §27.53(m)    | 2.1051  | Spurious emissions at RF antenna connector       | Pass    |
| §27.53(m)    | 2.1053  | Radiated spurious emissions                      | Pass    |
| §27.54       | 2.1055  | Frequency stability                              | Pass    |

Notes:

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

### 3.1 Applicant details

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

### 3.2 Modular equipment

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

### 3.3 Product details

|                                                 |                    |               |
|-------------------------------------------------|--------------------|---------------|
| <b>FCC ID</b>                                   | Grantee code:      | XM2           |
|                                                 | Product code:      | -X25H2        |
| <b>Equipment class</b>                          | PCB                |               |
| <b>Description of product as it is marketed</b> | Base Station       |               |
|                                                 | Model name/number: | XR25WH2/ACY-C |
|                                                 | Serial number:     | 1034459001    |

### 3.4 Application purpose

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

## Section 3: Equipment under test

### 3.5 Composite/related equipment

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

### 3.6 Sample information

|                                |            |
|--------------------------------|------------|
| <b>Receipt date:</b>           | 06/09/2022 |
| <b>Nemko sample ID number:</b> | 468302     |

### 3.7 EUT technical specifications

|                             |                                                                                                |
|-----------------------------|------------------------------------------------------------------------------------------------|
| <b>Operating band:</b>      | Down Link – Up Link: 2496–2690 MHz                                                             |
| <b>Operating frequency:</b> | Wideband                                                                                       |
| <b>Modulation type:</b>     | 5G NR-TDD (16QAM, 64QAM, 256QAM, QPSK)                                                         |
| <b>Occupied bandwidth:</b>  | 5G NR: 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz, 100 MHz |
| <b>Channel spacing:</b>     | standard                                                                                       |
| <b>Emission designator:</b> | 5G NR: D7W                                                                                     |
| <b>RF Output</b>            | Down Link: 37 dBm (5.0 W)                                                                      |
| <b>Antenna type:</b>        | External Antenna is not provided, equipment that has an external 50 $\Omega$ RF connector      |
| <b>Power source:</b>        | 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:     | Server        |
| Brand name:            | Dell          |
| Model name or number:  | E38S          |
| Serial number:         | 066JJ5        |
| Nemko sample number:   | 364520        |
| Connection port:       | Optical fiber |
| Cable length and type: | -             |

#### Item # 2

|                        |  |
|------------------------|--|
| Type of equipment:     |  |
| Brand name:            |  |
| Model name or number:  |  |
| Serial number:         |  |
| Nemko sample number:   |  |
| Connection port:       |  |
| Cable length and type: |  |

#### Item # 3

|                        |  |
|------------------------|--|
| Type of equipment:     |  |
| Brand name:            |  |
| Model name or number:  |  |
| Serial number:         |  |
| Nemko sample number:   |  |
| Connection port:       |  |
| Cable length and type: |  |

#### Item # 4

|                        |  |
|------------------------|--|
| Type of equipment:     |  |
| Brand name:            |  |
| Model name or number:  |  |
| Serial number:         |  |
| Nemko sample number:   |  |
| Connection port:       |  |
| Cable length and type: |  |

### 3.9 Operation of the EUT during testing

**Details:**

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

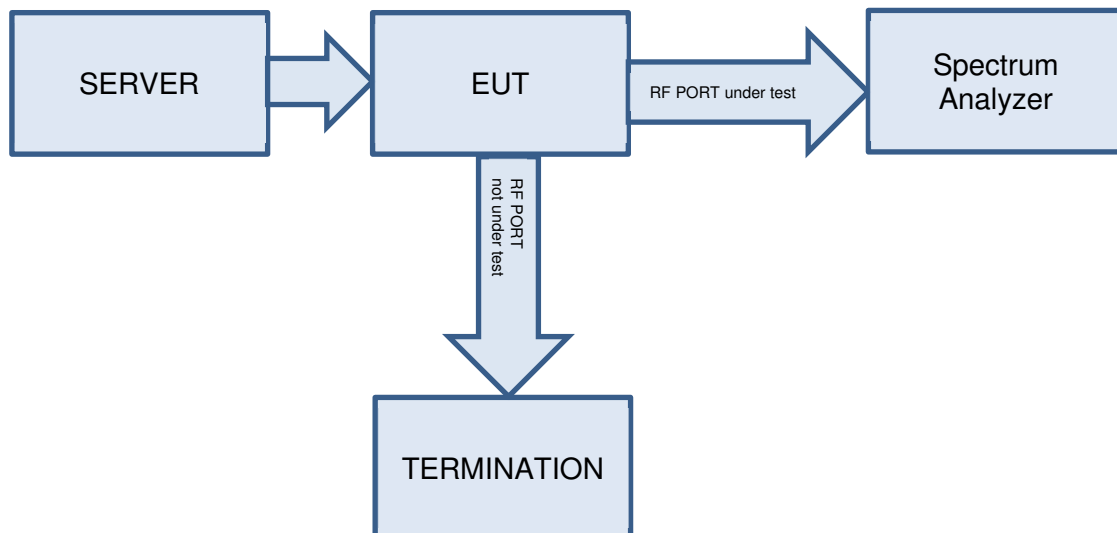
This report refer to measurement both RF port 1 and RF port 2.

When a RF port has been tested, the other one has been terminated on 50Ω load.

### 3.10 EUT setup diagram

In this system Cell Hub (Base Station) is the EUT.

The server generates wanted signals in base band frequency and Cell Hub convert the signal to RF band.

**Test setup :**

**Procedure**

Connect the server to the input of EUT by means of optical fiber, so the EUT can works at the maximum 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: 15–30 °C<br>Relative humidity: 20–75 %<br>Air pressure: 86–106 kPa<br><br>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<br>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–<br>Transient frequency behaviour                      | 1 MHz ÷ 18 GHz       | 0.2 kHz                 | (1)   |
|             |           | Transient behaviour of the transmitter – Power<br>level slope                                 | 1 MHz ÷ 18 GHz       | 9%                      | (1)   |
|             |           | Frequency deviation - Maximum permissible<br>frequency deviation                              | 0.001 MHz ÷ 18 GHz   | 1.3%                    | (1)   |
|             |           | Frequency deviation - Response of the<br>transmitter to modulation frequencies above 3<br>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)   |
|             |           |                                                                                               | 66 GHz ÷ 220 GHz     | 10 dB                   | (1)   |
|             | 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)   |
|             |           | Sensitivity measurement                                                                       | 1 MHz ÷ 18 GHz       | 6.0 dB                  | (1)   |
|             |           |                                                                                               |                      |                         |       |
| Receiver    | Conducted | 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)   |
|             |           |                                                                                               |                      |                         |       |
|             |           |                                                                                               |                      |                         |       |

## 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 %

## 5.4 Test equipment

| Equipment                                                                                                       | Manufacturer | Model No.                 | Asset/Serial No. | Next cal. |
|-----------------------------------------------------------------------------------------------------------------|--------------|---------------------------|------------------|-----------|
| Spectrum Analyzer                                                                                               | Agilent      | N9030B PXA                | MY61330632       | 04/2023   |
| Climatic Chambre                                                                                                | Angelantoni  | ACS-Hygros 600            | 7237             | 11/2023   |
| Trilog Broad Band Antenna                                                                                       | Schwarzbeck  | VULB 9162                 | VULB 9162-25     | 07/2024   |
| Bilog antenna (1 ÷ 18 GHz)                                                                                      | Schwarzbeck  | STLP 9148                 | STPL 9148-123    | 06/2024   |
| Double ridge horn antenna (4 ÷ 40 GHz)                                                                          | RFSpin       | DRH40                     | 061106A40        | 04/2023   |
| Broadband preamplifier (18 ÷ 40 GHz)                                                                            | Sage         | STB-1834034030-KFKF-L1    | 18490-01         | 05/2023   |
| Broadband preamplifier (1 ÷ 18 GHz)                                                                             | Schwarzbeck  | BBV9718C                  | 00121            | 03/2023   |
| EMI receiver (2 Hz ÷ 44 GHz)                                                                                    | R&S          | ESW44                     | 101620           | 08/2022   |
| Controller                                                                                                      | Maturo       | FCU3.0                    | 10041            | NCR       |
| Tilt antenna mast                                                                                               | Maturo       | TAM4.0-E                  | 10042            | NCR       |
| Turntable                                                                                                       | Maturo       | TT4.0-5T                  | 2.527            | NCR       |
| Semi-anechoic chamber                                                                                           | Nemko        | 10m semi-anechoic chamber | 530              | 09/2023   |
| Shielded room                                                                                                   | Siemens      | 10m control room          | 1947             | NCR       |
| Note: N/A = Not Applicable, NCR = No Cal Required, COU = CAL On Use<br>(*) Equipment supplied by manufacturer's |              |                           |                  |           |

## Appendix A: Test results

### Clause 27.53(m)(6) Occupied bandwidth

The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

Test date: 06/09/2022 to 06/24/2022

Test results: Pass

### Special notes

Measurements were performed for all modulation types. As an example, only measurements for 64 QAM modulation type are reported.

### Test equipment used

| Equipment         | Manufacturer | Model No.  | Asset/Serial No. |
|-------------------|--------------|------------|------------------|
| Spectrum Analyzer | Agilent      | N9030B PXA | MY61330632       |

## Clause 27.53(m)(6) Occupied bandwidth, continued

## Test data

## RF PORT 1

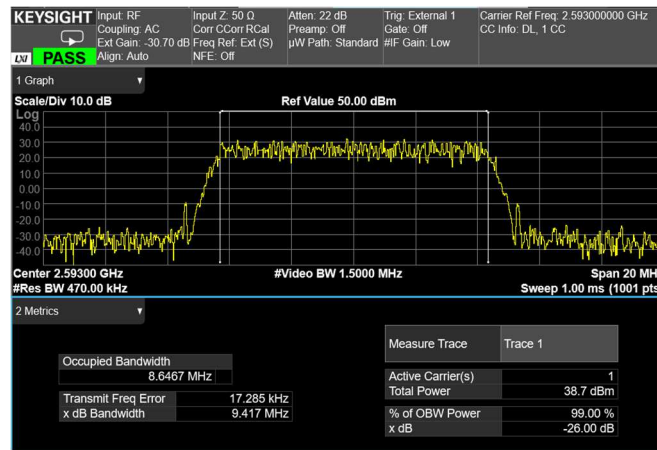
| Test data |                      |                 |           |
|-----------|----------------------|-----------------|-----------|
| Direction | Modulation           | Frequency (MHz) | OBW (MHz) |
| Down-link | 5G NR 10MHz (QPSK)   | 2501            | 8.65      |
| Down-link | 5G NR 10MHz (QPSK)   | 2593            | 8.65      |
| Down-link | 5G NR 10MHz (QPSK)   | 2685            | 8.65      |
| Down-link | 5G NR 10MHz (16QAM)  | 2501            | 8.65      |
| Down-link | 5G NR 10MHz (16QAM)  | 2593            | 8.65      |
| Down-link | 5G NR 10MHz (16QAM)  | 2685            | 8.65      |
| Down-link | 5G NR 10MHz (64QAM)  | 2501            | 8.65      |
| Down-link | 5G NR 10MHz (64QAM)  | 2593            | 8.65      |
| Down-link | 5G NR 10MHz (64QAM)  | 2685            | 8.64      |
| Down-link | 5G NR 10MHz (256QAM) | 2501            | 8.65      |
| Down-link | 5G NR 10MHz (256QAM) | 2593            | 8.65      |
| Down-link | 5G NR 10MHz (256QAM) | 2685            | 8.65      |
| Down-link | 5G NR 15MHz (QPSK)   | 2503.5          | 13.96     |
| Down-link | 5G NR 15MHz (QPSK)   | 2593            | 13.74     |
| Down-link | 5G NR 15MHz (QPSK)   | 2682.5          | 13.75     |
| Down-link | 5G NR 15MHz (16QAM)  | 2503.5          | 13.96     |
| Down-link | 5G NR 15MHz (16QAM)  | 2593            | 13.74     |
| Down-link | 5G NR 15MHz (16QAM)  | 2682.5          | 13.75     |
| Down-link | 5G NR 15MHz (64QAM)  | 2503.5          | 13.96     |
| Down-link | 5G NR 15MHz (64QAM)  | 2593            | 13.74     |
| Down-link | 5G NR 15MHz (64QAM)  | 2682.5          | 13.75     |
| Down-link | 5G NR 15MHz (256QAM) | 2503.5          | 13.96     |
| Down-link | 5G NR 15MHz (256QAM) | 2593            | 13.74     |
| Down-link | 5G NR 15MHz (256QAM) | 2682.5          | 13.75     |
| Down-link | 5G NR 20MHz (QPSK)   | 2506            | 18.61     |
| Down-link | 5G NR 20MHz (QPSK)   | 2593            | 18.62     |
| Down-link | 5G NR 20MHz (QPSK)   | 2680            | 18.62     |
| Down-link | 5G NR 20MHz (16QAM)  | 2506            | 18.61     |
| Down-link | 5G NR 20MHz (16QAM)  | 2593            | 18.62     |
| Down-link | 5G NR 20MHz (16QAM)  | 2680            | 18.62     |
| Down-link | 5G NR 20MHz (64QAM)  | 2506            | 18.61     |
| Down-link | 5G NR 20MHz (64QAM)  | 2593            | 18.62     |
| Down-link | 5G NR 20MHz (64QAM)  | 2680            | 18.62     |
| Down-link | 5G NR 20MHz (256QAM) | 2506            | 18.61     |
| Down-link | 5G NR 20MHz (256QAM) | 2593            | 18.62     |
| Down-link | 5G NR 20MHz (256QAM) | 2680            | 18.62     |

| Test data |                      |                 |           |
|-----------|----------------------|-----------------|-----------|
| Direction | Modulation           | Frequency (MHz) | OBW (MHz) |
| Down-link | 5G NR 30MHz (QPSK)   | 2511            | 28.04     |
| Down-link | 5G NR 30MHz (QPSK)   | 2593            | 28.05     |
| Down-link | 5G NR 30MHz (QPSK)   | 2675            | 28.04     |
| Down-link | 5G NR 30MHz (16QAM)  | 2511            | 28.04     |
| Down-link | 5G NR 30MHz (16QAM)  | 2593            | 28.05     |
| Down-link | 5G NR 30MHz (16QAM)  | 2675            | 28.04     |
| Down-link | 5G NR 30MHz (64QAM)  | 2511            | 28.04     |
| Down-link | 5G NR 30MHz (64QAM)  | 2593            | 28.05     |
| Down-link | 5G NR 30MHz (64QAM)  | 2675            | 28.04     |
| Down-link | 5G NR 30MHz (256QAM) | 2511            | 28.04     |
| Down-link | 5G NR 30MHz (256QAM) | 2593            | 28.05     |
| Down-link | 5G NR 30MHz (256QAM) | 2675            | 28.04     |
| Down-link | 5G NR 40MHz (QPSK)   | 2516            | 37.94     |
| Down-link | 5G NR 40MHz (QPSK)   | 2593            | 38.01     |
| Down-link | 5G NR 40MHz (QPSK)   | 2670            | 38.03     |
| Down-link | 5G NR 40MHz (16QAM)  | 2516            | 37.95     |
| Down-link | 5G NR 40MHz (16QAM)  | 2593            | 38.01     |
| Down-link | 5G NR 40MHz (16QAM)  | 2670            | 38.03     |
| Down-link | 5G NR 40MHz (64QAM)  | 2516            | 37.94     |
| Down-link | 5G NR 40MHz (64QAM)  | 2593            | 38.01     |
| Down-link | 5G NR 40MHz (64QAM)  | 2670            | 38.03     |
| Down-link | 5G NR 40MHz (256QAM) | 2516            | 37.93     |
| Down-link | 5G NR 40MHz (256QAM) | 2593            | 38.01     |
| Down-link | 5G NR 40MHz (256QAM) | 2670            | 38.03     |
| Down-link | 5G NR 50MHz (QPSK)   | 2521            | 47.56     |
| Down-link | 5G NR 50MHz (QPSK)   | 2593            | 47.61     |
| Down-link | 5G NR 50MHz (QPSK)   | 2665            | 47.61     |
| Down-link | 5G NR 50MHz (16QAM)  | 2521            | 47.56     |
| Down-link | 5G NR 50MHz (16QAM)  | 2593            | 47.61     |
| Down-link | 5G NR 50MHz (16QAM)  | 2665            | 47.61     |
| Down-link | 5G NR 50MHz (64QAM)  | 2521            | 47.56     |
| Down-link | 5G NR 50MHz (64QAM)  | 2593            | 47.61     |
| Down-link | 5G NR 50MHz (64QAM)  | 2665            | 47.61     |
| Down-link | 5G NR 50MHz (256QAM) | 2521            | 47.56     |
| Down-link | 5G NR 50MHz (256QAM) | 2593            | 47.61     |
| Down-link | 5G NR 50MHz (256QAM) | 2665            | 47.61     |
| Down-link | 5G NR 60MHz (QPSK)   | 2526            | 57.78     |
| Down-link | 5G NR 60MHz (QPSK)   | 2593            | 57.79     |
| Down-link | 5G NR 60MHz (QPSK)   | 2660            | 57.78     |
| Down-link | 5G NR 60MHz (16QAM)  | 2526            | 57.78     |
| Down-link | 5G NR 60MHz (16QAM)  | 2593            | 57.79     |
| Down-link | 5G NR 60MHz (16QAM)  | 2660            | 57.78     |
| Down-link | 5G NR 60MHz (64QAM)  | 2526            | 57.78     |
| Down-link | 5G NR 60MHz (64QAM)  | 2593            | 57.79     |
| Down-link | 5G NR 60MHz (64QAM)  | 2660            | 57.78     |
| Down-link | 5G NR 60MHz (256QAM) | 2526            | 57.78     |
| Down-link | 5G NR 60MHz (256QAM) | 2593            | 57.79     |
| Down-link | 5G NR 60MHz (256QAM) | 2660            | 57.78     |

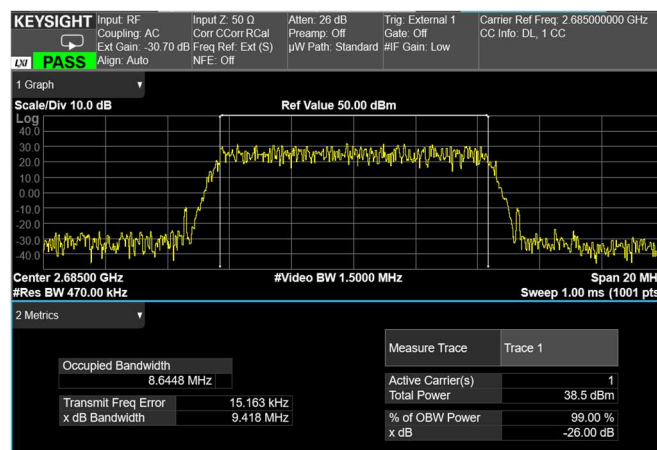
| Test data |                       |                 |           |
|-----------|-----------------------|-----------------|-----------|
| Direction | Modulation            | Frequency (MHz) | OBW (MHz) |
| Down-link | 5G NR 70MHz (QPSK)    | 2531            | 67.35     |
| Down-link | 5G NR 70MHz (QPSK)    | 2593            | 67.37     |
| Down-link | 5G NR 70MHz (QPSK)    | 2655            | 67.33     |
| Down-link | 5G NR 70MHz (16QAM)   | 2531            | 67.37     |
| Down-link | 5G NR 70MHz (16QAM)   | 2593            | 67.37     |
| Down-link | 5G NR 70MHz (16QAM)   | 2655            | 67.33     |
| Down-link | 5G NR 70MHz (64QAM)   | 2531            | 67.37     |
| Down-link | 5G NR 70MHz (64QAM)   | 2593            | 67.37     |
| Down-link | 5G NR 70MHz (64QAM)   | 2655            | 67.33     |
| Down-link | 5G NR 70MHz (256QAM)  | 2531            | 67.37     |
| Down-link | 5G NR 70MHz (256QAM)  | 2593            | 67.37     |
| Down-link | 5G NR 70MHz (256QAM)  | 2655            | 67.33     |
| Down-link | 5G NR 80MHz (QPSK)    | 2536            | 77.07     |
| Down-link | 5G NR 80MHz (QPSK)    | 2593            | 77.06     |
| Down-link | 5G NR 80MHz (QPSK)    | 2650            | 77.06     |
| Down-link | 5G NR 80MHz (16QAM)   | 2536            | 77.07     |
| Down-link | 5G NR 80MHz (16QAM)   | 2593            | 77.09     |
| Down-link | 5G NR 80MHz (16QAM)   | 2650            | 77.06     |
| Down-link | 5G NR 80MHz (64QAM)   | 2536            | 77.04     |
| Down-link | 5G NR 80MHz (64QAM)   | 2593            | 77.09     |
| Down-link | 5G NR 80MHz (64QAM)   | 2650            | 77.06     |
| Down-link | 5G NR 80MHz (256QAM)  | 2536            | 77.07     |
| Down-link | 5G NR 80MHz (256QAM)  | 2593            | 77.09     |
| Down-link | 5G NR 80MHz (256QAM)  | 2650            | 77.06     |
| Down-link | 5G NR 90MHz (QPSK)    | 2541            | 86.73     |
| Down-link | 5G NR 90MHz (QPSK)    | 2593            | 86.77     |
| Down-link | 5G NR 90MHz (QPSK)    | 2645            | 86.75     |
| Down-link | 5G NR 90MHz (16QAM)   | 2541            | 86.73     |
| Down-link | 5G NR 90MHz (16QAM)   | 2593            | 86.77     |
| Down-link | 5G NR 90MHz (16QAM)   | 2645            | 86.73     |
| Down-link | 5G NR 90MHz (64QAM)   | 2541            | 86.72     |
| Down-link | 5G NR 90MHz (64QAM)   | 2593            | 86.78     |
| Down-link | 5G NR 90MHz (64QAM)   | 2645            | 86.70     |
| Down-link | 5G NR 90MHz (256QAM)  | 2541            | 86.73     |
| Down-link | 5G NR 90MHz (256QAM)  | 2593            | 86.79     |
| Down-link | 5G NR 90MHz (256QAM)  | 2645            | 86.73     |
| Down-link | 5G NR 100MHz (QPSK)   | 2546            | 97.36     |
| Down-link | 5G NR 100MHz (QPSK)   | 2593            | 97.41     |
| Down-link | 5G NR 100MHz (QPSK)   | 2640            | 97.36     |
| Down-link | 5G NR 100MHz (16QAM)  | 2546            | 97.36     |
| Down-link | 5G NR 100MHz (16QAM)  | 2593            | 97.41     |
| Down-link | 5G NR 100MHz (16QAM)  | 2640            | 97.36     |
| Down-link | 5G NR 100MHz (64QAM)  | 2546            | 97.37     |
| Down-link | 5G NR 100MHz (64QAM)  | 2593            | 97.41     |
| Down-link | 5G NR 100MHz (64QAM)  | 2640            | 97.36     |
| Down-link | 5G NR 100MHz (256QAM) | 2546            | 97.37     |
| Down-link | 5G NR 100MHz (256QAM) | 2593            | 97.41     |
| Down-link | 5G NR 100MHz (256QAM) | 2640            | 97.36     |



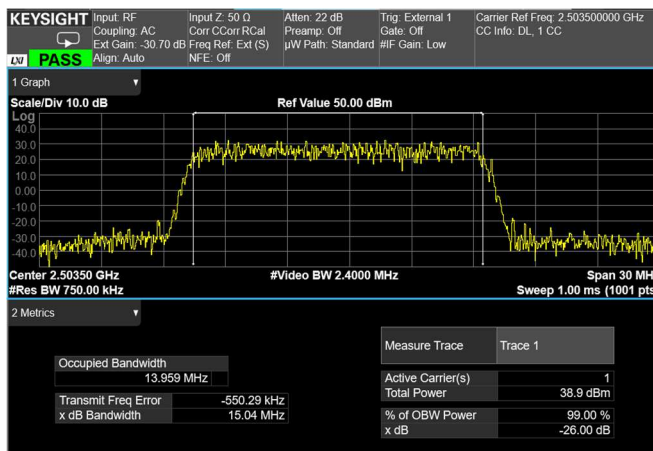
Channel: BOTTOM, Modulation: 64QAM,  
BW=10MHz



Channel: MIDDLE, Modulation: 64QAM,  
BW=10MHz



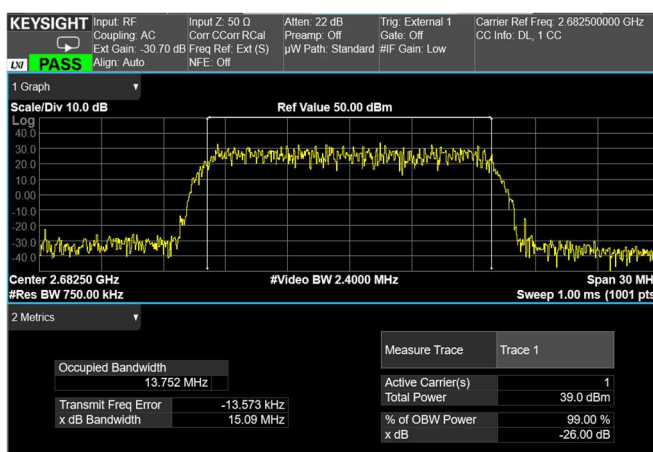
Channel: TOP, Modulation: 64QAM,  
BW=10MHz



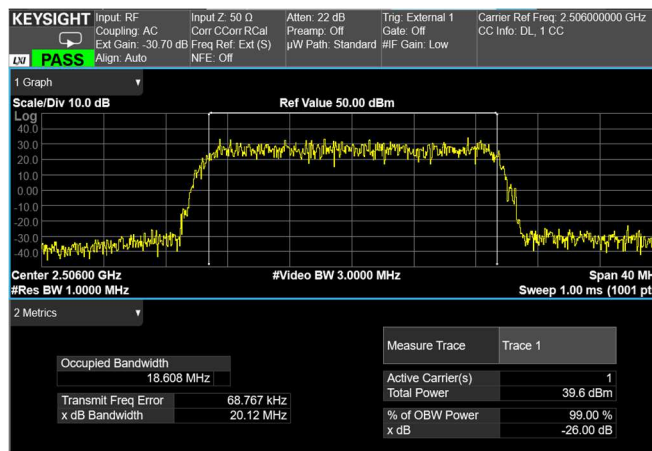
Channel: BOTTOM, Modulation: 64QAM,  
BW=15MHz



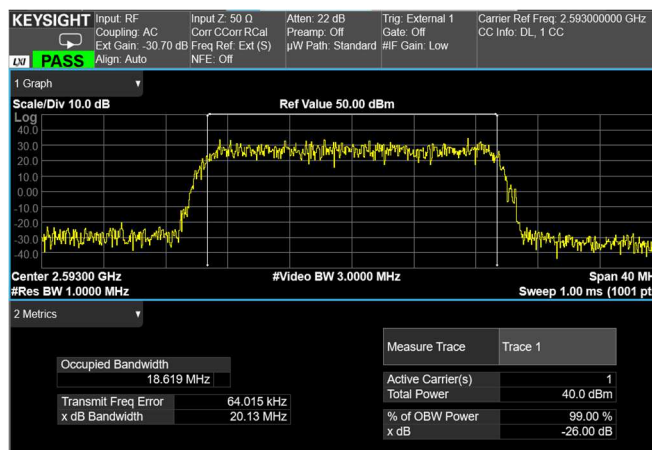
Channel: MIDDLE, Modulation: 64QAM,  
BW=15MHz



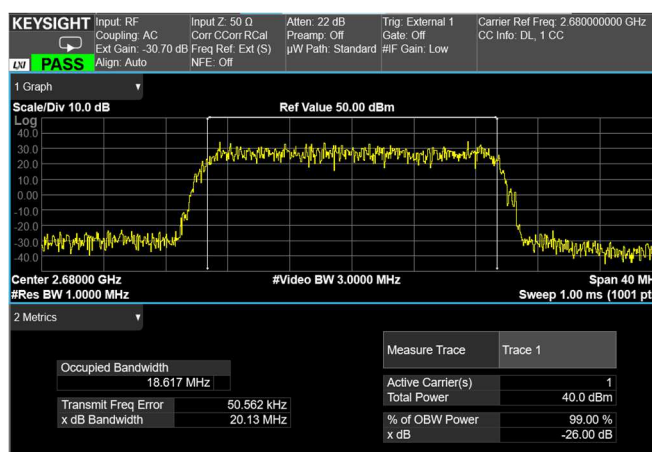
Channel: TOP, Modulation: 64QAM,  
BW=15MHz



Channel: BOTTOM, Modulation: 64QAM,  
BW=20MHz



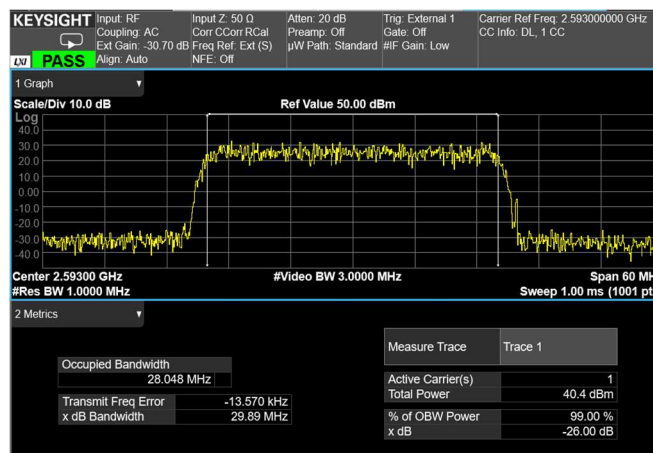
Channel: MIDDLE, Modulation: 64QAM,  
BW=20MHz



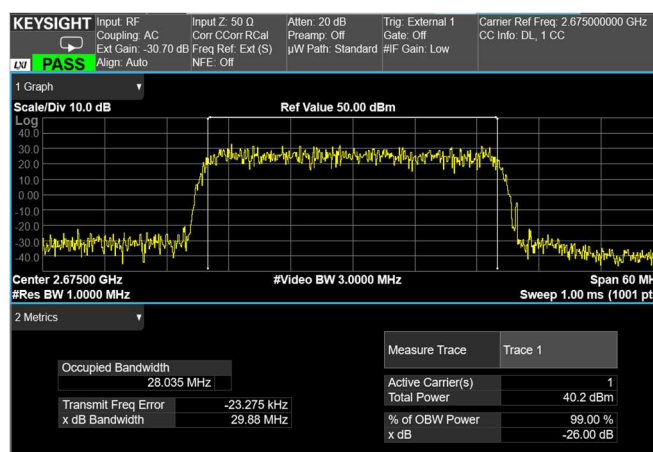
Channel: TOP, Modulation: 64QAM,  
BW=20MHz



Channel: BOTTOM, Modulation: 64QAM,  
BW=30MHz



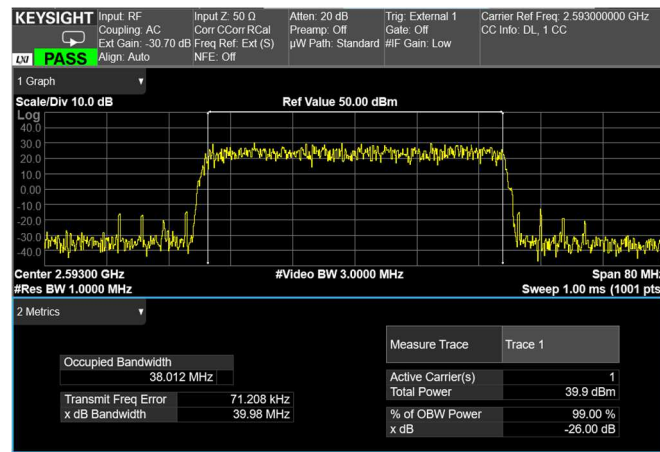
Channel: MIDDLE, Modulation: 64QAM,  
BW=30MHz



Channel: TOP, Modulation: 64QAM,  
BW=30MHz



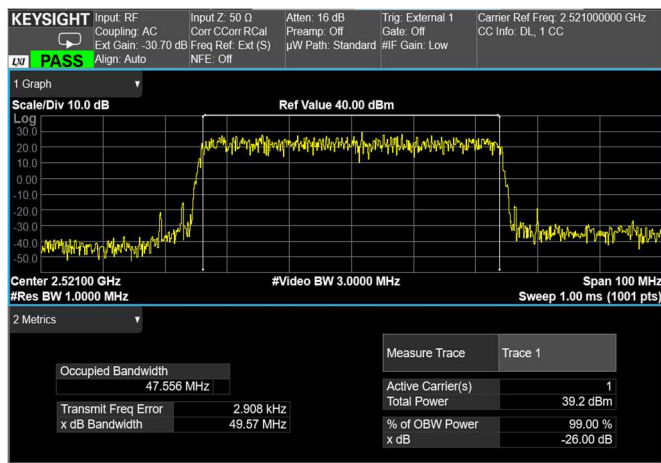
Channel: BOTTOM, Modulation: 64QAM,  
BW=40MHz



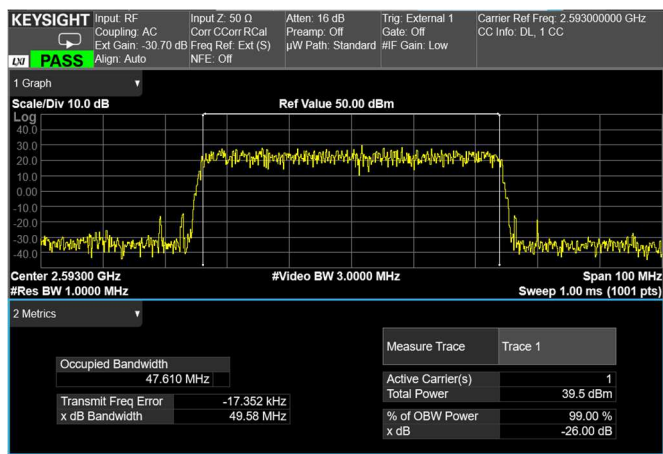
Channel: MIDDLE, Modulation: 64QAM,  
BW=40MHz



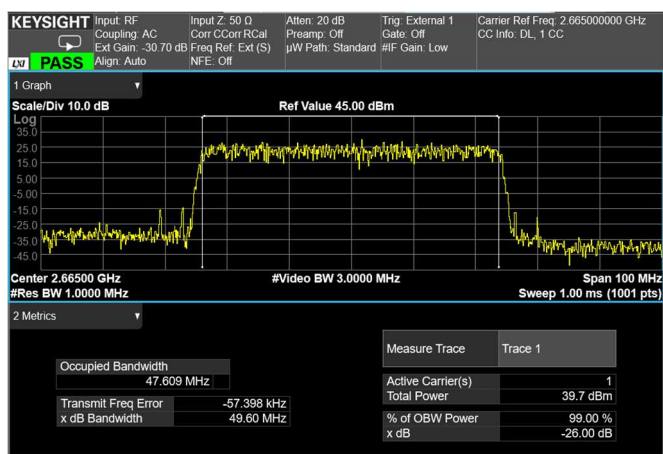
Channel: TOP, Modulation: 64QAM,  
BW=40MHz



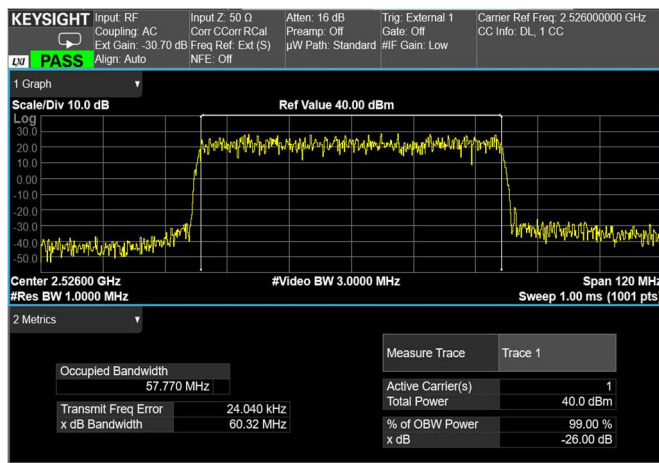
Channel: BOTTOM, Modulation: 64QAM,  
BW=50MHz



Channel: MIDDLE, Modulation: 64QAM,  
BW=50MHz



Channel: TOP, Modulation: 64QAM,  
BW=50MHz



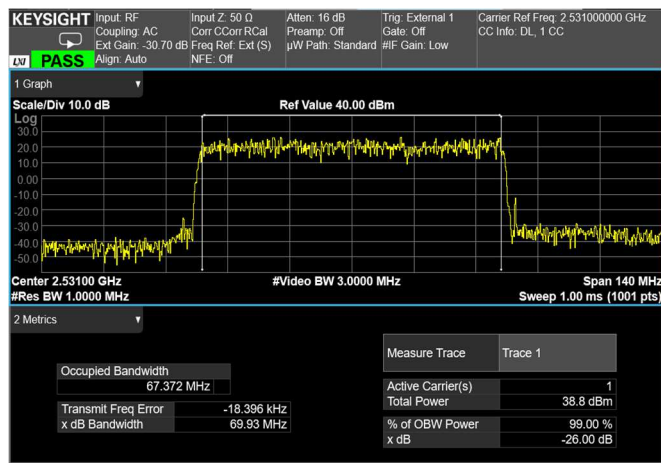
Channel: BOTTOM, Modulation: 64QAM,  
BW=60MHz



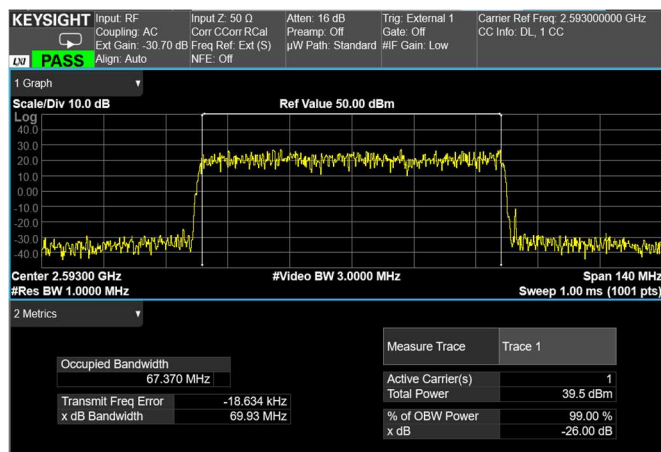
Channel: MIDDLE, Modulation: 64QAM,  
BW=60MHz



Channel: TOP, Modulation: 64QAM,  
BW=60MHz



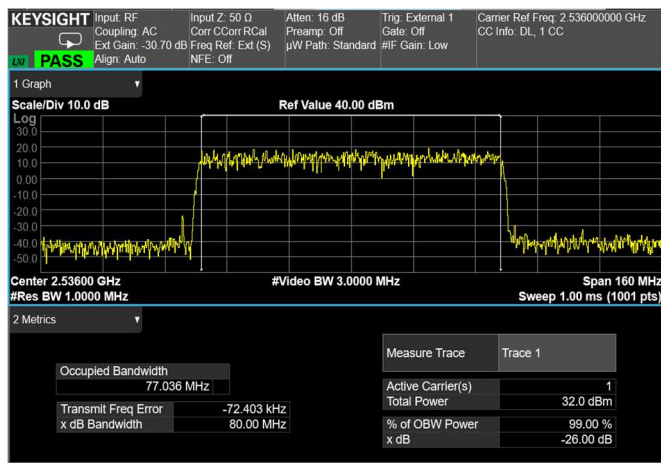
Channel: BOTTOM, Modulation: 64QAM,  
BW=70MHz



Channel: MIDDLE, Modulation: 64QAM,  
BW=70MHz



Channel: TOP, Modulation: 64QAM,  
BW=70MHz



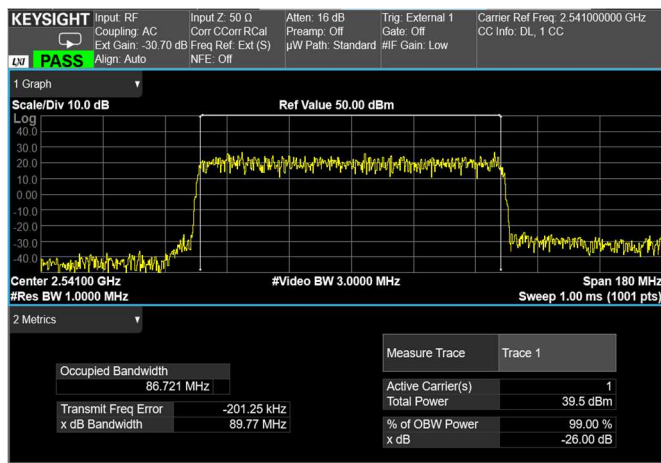
Channel: BOTTOM, Modulation: 64QAM,  
BW=80MHz



Channel: MIDDLE, Modulation: 64QAM,  
BW=80MHz



Channel: TOP, Modulation: 64QAM,  
BW=80MHz



Channel: BOTTOM, Modulation: 64QAM,  
BW=90MHz



Channel: MIDDLE, Modulation: 64QAM,  
BW=90MHz



Channel: TOP, Modulation: 64QAM,  
BW=90MHz



Channel: BOTTOM, Modulation: 64QAM,  
BW=100MHz



Channel: MIDDLE, Modulation: 64QAM,  
BW=100MHz



Channel: TOP, Modulation: 64QAM,  
BW=100MHz

## RF PORT 2

| Test data |                      |                 |           |
|-----------|----------------------|-----------------|-----------|
| Direction | Modulation           | Frequency (MHz) | OBW (MHz) |
| Down-link | 5G NR 10MHz (QPSK)   | 2501            | 8.65      |
| Down-link | 5G NR 10MHz (QPSK)   | 2593            | 8.65      |
| Down-link | 5G NR 10MHz (QPSK)   | 2685            | 8.64      |
| Down-link | 5G NR 10MHz (16QAM)  | 2501            | 8.65      |
| Down-link | 5G NR 10MHz (16QAM)  | 2593            | 8.65      |
| Down-link | 5G NR 10MHz (16QAM)  | 2685            | 8.64      |
| Down-link | 5G NR 10MHz (64QAM)  | 2501            | 8.65      |
| Down-link | 5G NR 10MHz (64QAM)  | 2593            | 8.65      |
| Down-link | 5G NR 10MHz (64QAM)  | 2685            | 8.64      |
| Down-link | 5G NR 10MHz (256QAM) | 2501            | 8.65      |
| Down-link | 5G NR 10MHz (256QAM) | 2593            | 8.65      |
| Down-link | 5G NR 10MHz (256QAM) | 2685            | 8.64      |
| Down-link | 5G NR 15MHz (QPSK)   | 2503.5          | 13.73     |
| Down-link | 5G NR 15MHz (QPSK)   | 2593            | 13.74     |
| Down-link | 5G NR 15MHz (QPSK)   | 2682.5          | 13.74     |
| Down-link | 5G NR 15MHz (16QAM)  | 2503.5          | 13.73     |
| Down-link | 5G NR 15MHz (16QAM)  | 2593            | 13.74     |
| Down-link | 5G NR 15MHz (16QAM)  | 2682.5          | 13.75     |
| Down-link | 5G NR 15MHz (64QAM)  | 2503.5          | 13.73     |
| Down-link | 5G NR 15MHz (64QAM)  | 2593            | 13.74     |
| Down-link | 5G NR 15MHz (64QAM)  | 2682.5          | 13.75     |
| Down-link | 5G NR 15MHz (256QAM) | 2503.5          | 13.73     |
| Down-link | 5G NR 15MHz (256QAM) | 2593            | 13.74     |
| Down-link | 5G NR 15MHz (256QAM) | 2682.5          | 13.74     |
| Down-link | 5G NR 20MHz (QPSK)   | 2506            | 18.61     |
| Down-link | 5G NR 20MHz (QPSK)   | 2593            | 18.62     |
| Down-link | 5G NR 20MHz (QPSK)   | 2680            | 18.61     |
| Down-link | 5G NR 20MHz (16QAM)  | 2506            | 18.60     |
| Down-link | 5G NR 20MHz (16QAM)  | 2593            | 18.62     |
| Down-link | 5G NR 20MHz (16QAM)  | 2680            | 18.61     |
| Down-link | 5G NR 20MHz (64QAM)  | 2506            | 18.60     |
| Down-link | 5G NR 20MHz (64QAM)  | 2593            | 18.62     |
| Down-link | 5G NR 20MHz (64QAM)  | 2680            | 18.61     |
| Down-link | 5G NR 20MHz (256QAM) | 2506            | 18.61     |
| Down-link | 5G NR 20MHz (256QAM) | 2593            | 18.62     |
| Down-link | 5G NR 20MHz (256QAM) | 2680            | 18.61     |
| Down-link | 5G NR 30MHz (QPSK)   | 2511            | 28.04     |
| Down-link | 5G NR 30MHz (QPSK)   | 2593            | 28.05     |
| Down-link | 5G NR 30MHz (QPSK)   | 2675            | 28.04     |
| Down-link | 5G NR 30MHz (16QAM)  | 2511            | 28.04     |
| Down-link | 5G NR 30MHz (16QAM)  | 2593            | 28.05     |
| Down-link | 5G NR 30MHz (16QAM)  | 2675            | 28.04     |
| Down-link | 5G NR 30MHz (64QAM)  | 2511            | 28.04     |
| Down-link | 5G NR 30MHz (64QAM)  | 2593            | 28.05     |
| Down-link | 5G NR 30MHz (64QAM)  | 2675            | 28.04     |
| Down-link | 5G NR 30MHz (256QAM) | 2511            | 28.04     |
| Down-link | 5G NR 30MHz (256QAM) | 2593            | 28.05     |
| Down-link | 5G NR 30MHz (256QAM) | 2675            | 28.04     |

| Test data |                      |                 |           |
|-----------|----------------------|-----------------|-----------|
| Direction | Modulation           | Frequency (MHz) | OBW (MHz) |
| Down-link | 5G NR 40MHz (QPSK)   | 2516            | 37.93     |
| Down-link | 5G NR 40MHz (QPSK)   | 2593            | 38.02     |
| Down-link | 5G NR 40MHz (QPSK)   | 2670            | 38.02     |
| Down-link | 5G NR 40MHz (16QAM)  | 2516            | 37.92     |
| Down-link | 5G NR 40MHz (16QAM)  | 2593            | 38.01     |
| Down-link | 5G NR 40MHz (16QAM)  | 2670            | 38.02     |
| Down-link | 5G NR 40MHz (64QAM)  | 2516            | 37.92     |
| Down-link | 5G NR 40MHz (64QAM)  | 2593            | 38.01     |
| Down-link | 5G NR 40MHz (64QAM)  | 2670            | 38.02     |
| Down-link | 5G NR 40MHz (256QAM) | 2516            | 37.92     |
| Down-link | 5G NR 40MHz (256QAM) | 2593            | 38.01     |
| Down-link | 5G NR 40MHz (256QAM) | 2670            | 38.02     |
| Down-link | 5G NR 50MHz (QPSK)   | 2521            | 47.56     |
| Down-link | 5G NR 50MHz (QPSK)   | 2593            | 47.62     |
| Down-link | 5G NR 50MHz (QPSK)   | 2665            | 47.61     |
| Down-link | 5G NR 50MHz (16QAM)  | 2521            | 47.56     |
| Down-link | 5G NR 50MHz (16QAM)  | 2593            | 47.62     |
| Down-link | 5G NR 50MHz (16QAM)  | 2665            | 47.61     |
| Down-link | 5G NR 50MHz (64QAM)  | 2521            | 47.56     |
| Down-link | 5G NR 50MHz (64QAM)  | 2593            | 47.61     |
| Down-link | 5G NR 50MHz (64QAM)  | 2665            | 47.61     |
| Down-link | 5G NR 50MHz (256QAM) | 2521            | 47.57     |
| Down-link | 5G NR 50MHz (256QAM) | 2593            | 47.62     |
| Down-link | 5G NR 50MHz (256QAM) | 2665            | 47.61     |
| Down-link | 5G NR 60MHz (QPSK)   | 2526            | 57.78     |
| Down-link | 5G NR 60MHz (QPSK)   | 2593            | 57.79     |
| Down-link | 5G NR 60MHz (QPSK)   | 2660            | 57.78     |
| Down-link | 5G NR 60MHz (16QAM)  | 2526            | 57.78     |
| Down-link | 5G NR 60MHz (16QAM)  | 2593            | 57.79     |
| Down-link | 5G NR 60MHz (16QAM)  | 2660            | 57.78     |
| Down-link | 5G NR 60MHz (64QAM)  | 2526            | 57.77     |
| Down-link | 5G NR 60MHz (64QAM)  | 2593            | 57.79     |
| Down-link | 5G NR 60MHz (64QAM)  | 2660            | 57.78     |
| Down-link | 5G NR 60MHz (256QAM) | 2526            | 57.78     |
| Down-link | 5G NR 60MHz (256QAM) | 2593            | 57.79     |
| Down-link | 5G NR 60MHz (256QAM) | 2660            | 57.78     |
| Down-link | 5G NR 70MHz (QPSK)   | 2531            | 67.38     |
| Down-link | 5G NR 70MHz (QPSK)   | 2593            | 67.40     |
| Down-link | 5G NR 70MHz (QPSK)   | 2655            | 67.33     |
| Down-link | 5G NR 70MHz (16QAM)  | 2531            | 67.38     |
| Down-link | 5G NR 70MHz (16QAM)  | 2593            | 67.40     |
| Down-link | 5G NR 70MHz (16QAM)  | 2655            | 67.34     |
| Down-link | 5G NR 70MHz (64QAM)  | 2531            | 67.38     |
| Down-link | 5G NR 70MHz (64QAM)  | 2593            | 67.40     |
| Down-link | 5G NR 70MHz (64QAM)  | 2655            | 67.34     |
| Down-link | 5G NR 70MHz (256QAM) | 2531            | 67.38     |
| Down-link | 5G NR 70MHz (256QAM) | 2593            | 67.40     |
| Down-link | 5G NR 70MHz (256QAM) | 2655            | 67.33     |

| Test data |                       |                 |           |
|-----------|-----------------------|-----------------|-----------|
| Direction | Modulation            | Frequency (MHz) | OBW (MHz) |
| Down-link | 5G NR 80MHz (QPSK)    | 2536            | 77.06     |
| Down-link | 5G NR 80MHz (QPSK)    | 2593            | 77.06     |
| Down-link | 5G NR 80MHz (QPSK)    | 2650            | 77.06     |
| Down-link | 5G NR 80MHz (16QAM)   | 2536            | 77.03     |
| Down-link | 5G NR 80MHz (16QAM)   | 2593            | 77.09     |
| Down-link | 5G NR 80MHz (16QAM)   | 2650            | 77.06     |
| Down-link | 5G NR 80MHz (64QAM)   | 2536            | 77.03     |
| Down-link | 5G NR 80MHz (64QAM)   | 2593            | 77.09     |
| Down-link | 5G NR 80MHz (64QAM)   | 2650            | 77.06     |
| Down-link | 5G NR 80MHz (256QAM)  | 2536            | 77.03     |
| Down-link | 5G NR 80MHz (256QAM)  | 2593            | 77.06     |
| Down-link | 5G NR 80MHz (256QAM)  | 2650            | 77.06     |
| Down-link | 5G NR 90MHz (QPSK)    | 2541            | 86.71     |
| Down-link | 5G NR 90MHz (QPSK)    | 2593            | 86.77     |
| Down-link | 5G NR 90MHz (QPSK)    | 2645            | 86.70     |
| Down-link | 5G NR 90MHz (16QAM)   | 2541            | 86.72     |
| Down-link | 5G NR 90MHz (16QAM)   | 2593            | 86.77     |
| Down-link | 5G NR 90MHz (16QAM)   | 2645            | 86.70     |
| Down-link | 5G NR 90MHz (64QAM)   | 2541            | 86.71     |
| Down-link | 5G NR 90MHz (64QAM)   | 2593            | 86.76     |
| Down-link | 5G NR 90MHz (64QAM)   | 2645            | 86.70     |
| Down-link | 5G NR 90MHz (256QAM)  | 2541            | 86.71     |
| Down-link | 5G NR 90MHz (256QAM)  | 2593            | 86.76     |
| Down-link | 5G NR 90MHz (256QAM)  | 2645            | 86.71     |
| Down-link | 5G NR 100MHz (QPSK)   | 2546            | 97.37     |
| Down-link | 5G NR 100MHz (QPSK)   | 2593            | 97.39     |
| Down-link | 5G NR 100MHz (QPSK)   | 2640            | 97.36     |
| Down-link | 5G NR 100MHz (16QAM)  | 2546            | 97.37     |
| Down-link | 5G NR 100MHz (16QAM)  | 2593            | 97.39     |
| Down-link | 5G NR 100MHz (16QAM)  | 2640            | 97.36     |
| Down-link | 5G NR 100MHz (64QAM)  | 2546            | 97.37     |
| Down-link | 5G NR 100MHz (64QAM)  | 2593            | 97.39     |
| Down-link | 5G NR 100MHz (64QAM)  | 2640            | 97.36     |
| Down-link | 5G NR 100MHz (256QAM) | 2546            | 97.37     |
| Down-link | 5G NR 100MHz (256QAM) | 2593            | 97.38     |
| Down-link | 5G NR 100MHz (256QAM) | 2640            | 97.36     |



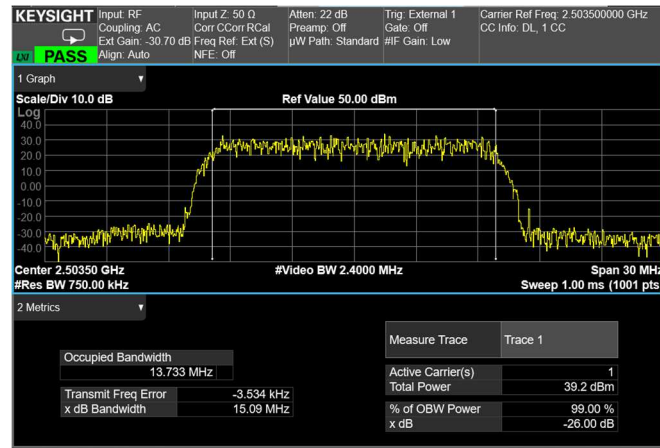
Channel: BOTTOM, Modulation: 64QAM,  
BW=10MHz



Channel: MIDDLE, Modulation: 64QAM,  
BW=10MHz



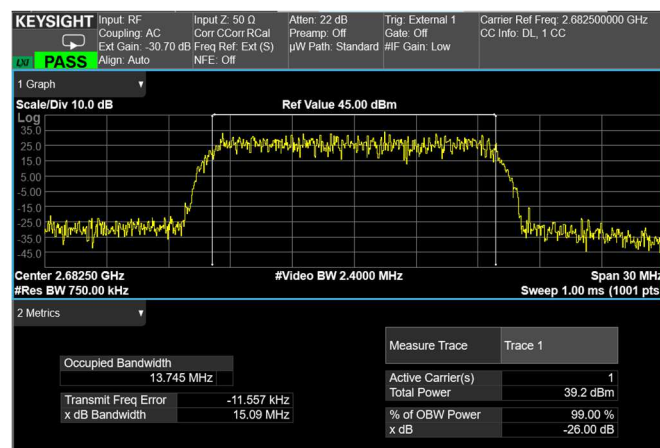
Channel: TOP, Modulation: 64QAM,  
BW=10MHz



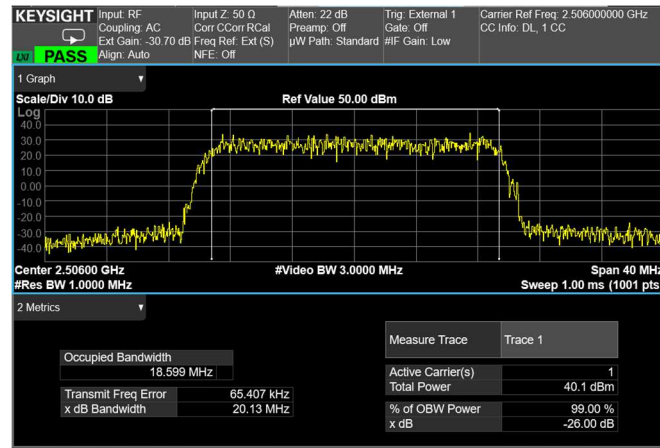
Channel: BOTTOM, Modulation: 64QAM,  
BW=15MHz



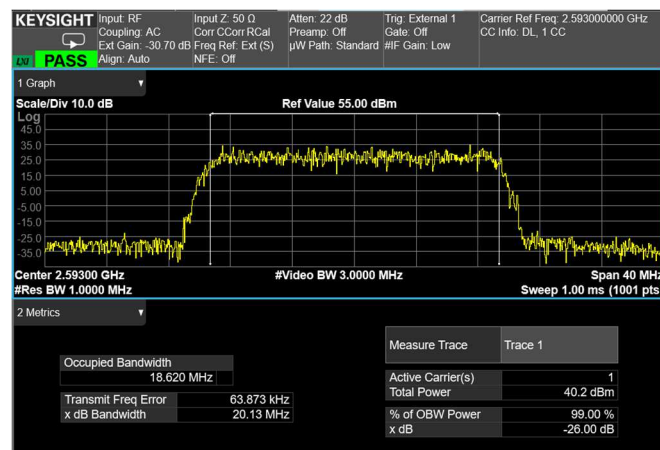
Channel: MIDDLE, Modulation: 64QAM,  
BW=15MHz



Channel: TOP, Modulation: 64QAM,  
BW=15MHz



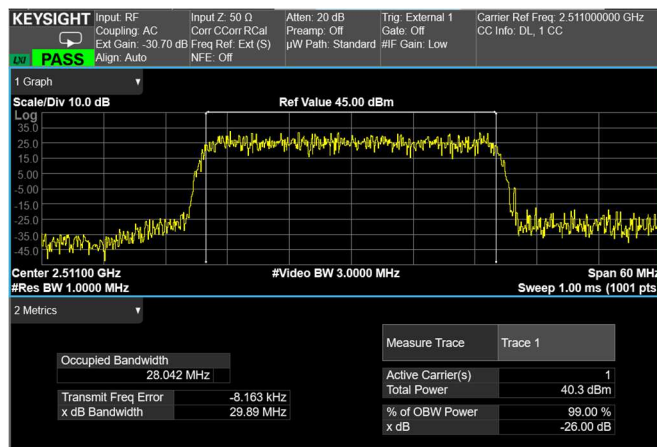
Channel: BOTTOM, Modulation: 64QAM,  
BW=20MHz



Channel: MIDDLE, Modulation: 64QAM,  
BW=20MHz



Channel: TOP, Modulation: 64QAM,  
BW=20MHz



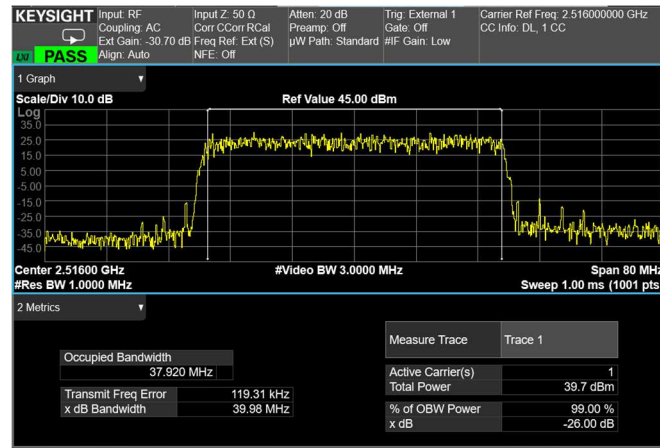
Channel: BOTTOM, Modulation: 64QAM, BW=30MHz



Channel: MIDDLE, Modulation: 64QAM, BW=30MHz



Channel: TOP, Modulation: 64QAM, BW=30MHz



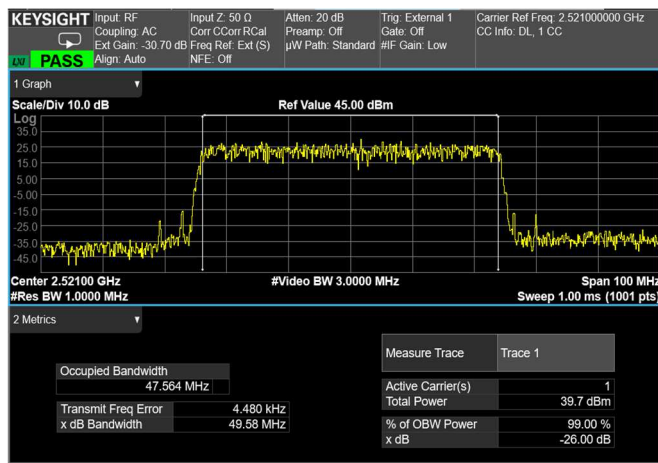
Channel: BOTTOM, Modulation: 64QAM,  
BW=40MHz



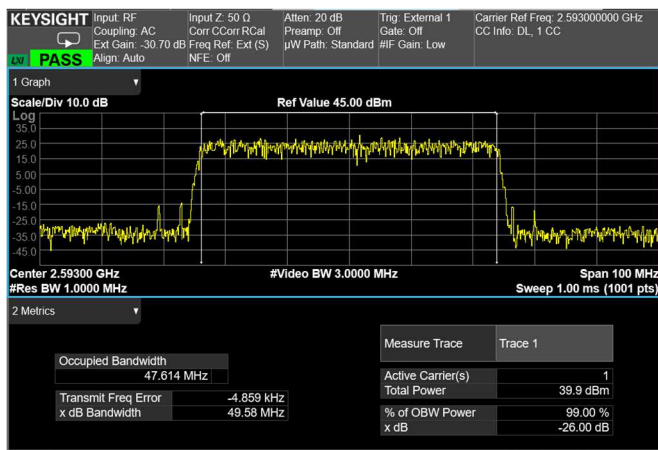
Channel: MIDDLE, Modulation: 64QAM,  
BW=40MHz



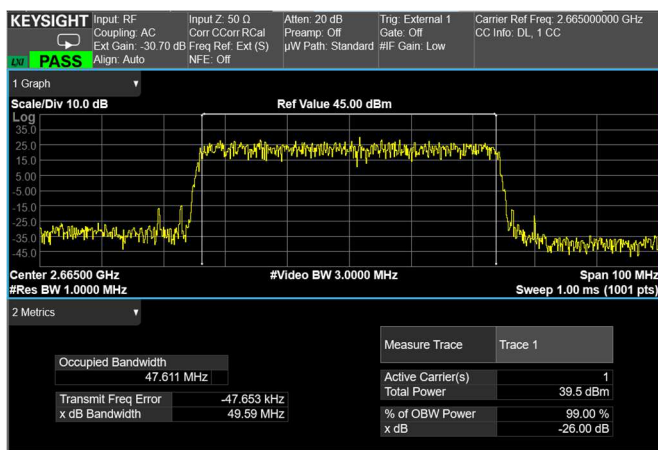
Channel: TOP, Modulation: 64QAM,  
BW=40MHz



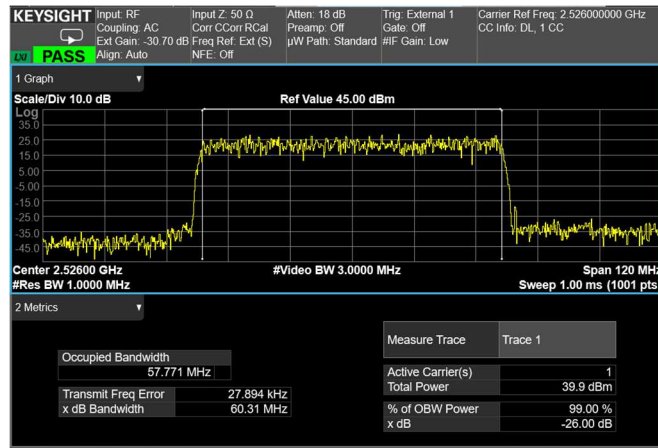
Channel: BOTTOM, Modulation: 64QAM,  
BW=50MHz



Channel: MIDDLE, Modulation: 64QAM,  
BW=50MHz



Channel: TOP, Modulation: 64QAM,  
BW=50MHz



Channel: BOTTOM, Modulation: 64QAM,  
BW=60MHz



Channel: MIDDLE, Modulation: 64QAM,  
BW=60MHz



Channel: TOP, Modulation: 64QAM,  
BW=60MHz



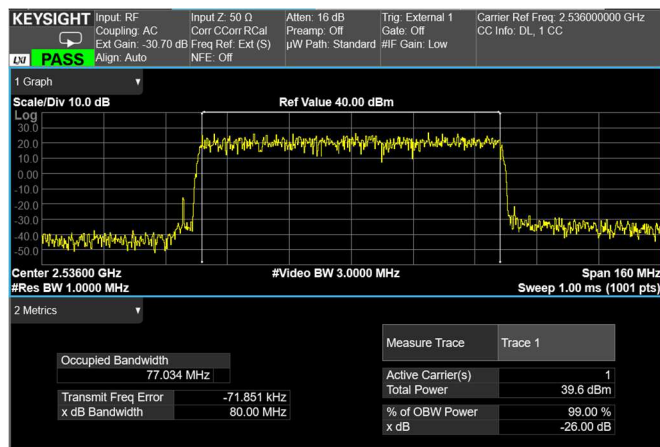
Channel: BOTTOM, Modulation: 64QAM,  
BW=70MHz



Channel: MIDDLE, Modulation: 64QAM,  
BW=70MHz



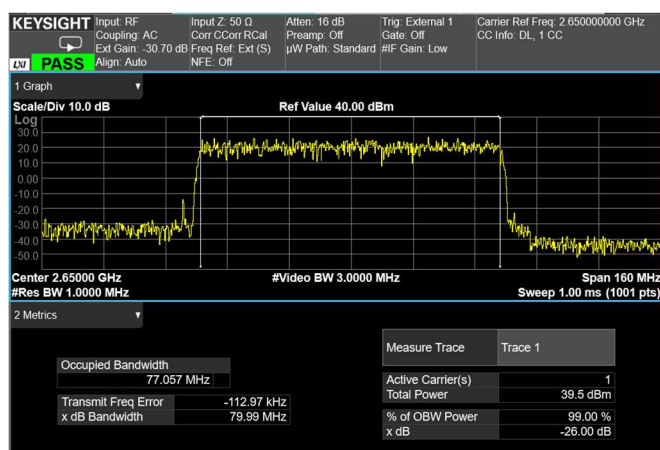
Channel: TOP, Modulation: 64QAM,  
BW=70MHz



Channel: BOTTOM, Modulation: 64QAM,  
BW=80MHz



Channel: MIDDLE, Modulation: 64QAM,  
BW=80MHz



Channel: TOP, Modulation: 64QAM,  
BW=80MHz