

# OUTPUT POWER - BAND n25



XMIT 2020.03.25.0

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

## TEST EQUIPMENT

| Description                  | Manufacturer | Model      | ID  | Last Cal. | Cal. Due  |
|------------------------------|--------------|------------|-----|-----------|-----------|
| Analyzer - Spectrum Analyzer | Agilent      | N9010A     | AFL | 27-Feb-20 | 27-Feb-21 |
| Generator - Signal           | Keysight     | N5171B-506 | TEW | 2-May-18  | 2-May-21  |

## TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The fundamental emission output power (maximum average conducted output power) was measured using the channels and modes as called out on the following data sheets. The transmit power was set to its default maximum.

The method in section 5.2.4.4 of ANSI C63.26 was used to make the measurement. This method uses trace averaging across ON and OFF times of the EUT transmissions in the spectrum analyzer channel power function using an RMS detector. Following the measurement a duty cycle correction was applied by adding  $[10 \log (1 / D)]$ , where D is the duty cycle, to the measured power to compute the average power during the actual transmission times.

Per FCC section 24.232(a), the Equivalent Isotropically radiated Power (EIRP) of the transceiver cannot exceed 1640 Watts/MHz.

RF conducted emissions testing was performed only on one port. The testing was performed on the same version of hardware (AHFIG) as the original certification test. The AHFIG antenna ports are essentially electrically identical (the RF power variation between antenna ports is small as shown in the original certification testing) and antenna port 4 was selected to perform the testing under this effort as allowed by ANSI C63.26-2015 paragraph 5.7.2i.

5G NR carrier bandwidths of 5MHz, 10MHz, 15MHz, and 20MHz with QPSK, 16QAM, 64QAM and 256QAM modulation types were verified under this effort. The 5G NR carriers/modulation types for this testing are set up according to 3GPP TS 38.141-1 Test Models and are NR-FR1-TM 1.1 (QPSK modulation type), NR-FR1-TM 3.1 (16QAM modulation type), NR-FR1-TM 3.1 (64QAM modulation type), and NR-FR1-TM 3.1a (256QAM modulation type).

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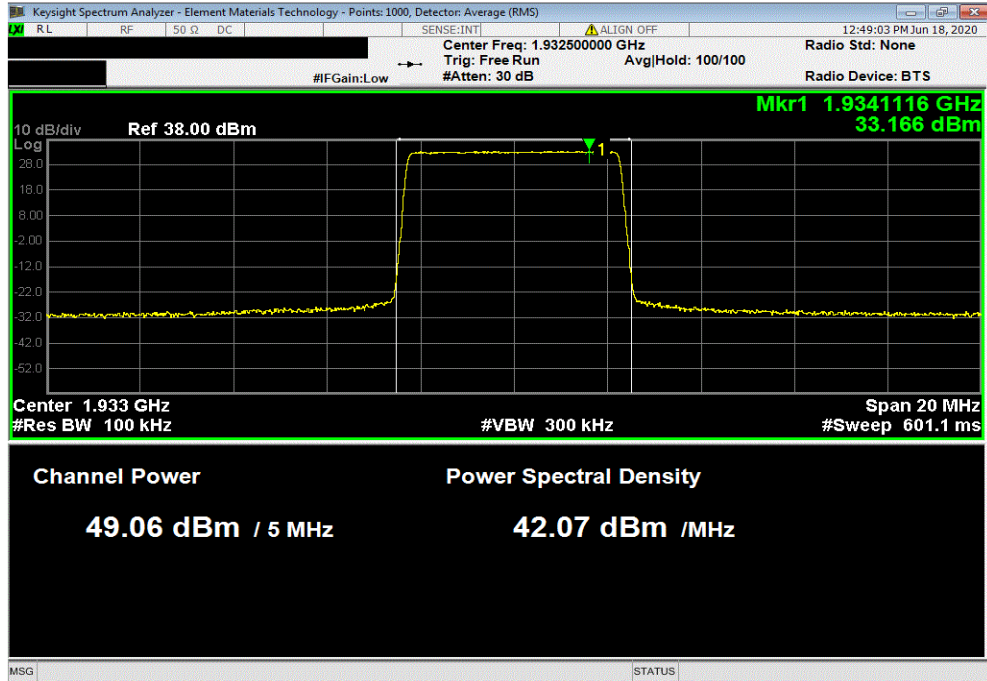
|                                                                                                                                                                                |                                 |                                                                                             |                           |                                  |                                       |                         |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|
| EUT:                                                                                                                                                                           | AHFIG                           |                                                                                             |                           | Work Order: NOKI0016             |                                       |                         |         |
| Serial Number:                                                                                                                                                                 | K9191322351                     |                                                                                             |                           | Date: 19-Jun-20                  |                                       |                         |         |
| Customer:                                                                                                                                                                      | Nokia Solutions and Networks    |                                                                                             |                           | Temperature: 22.2 °C             |                                       |                         |         |
| Attendees:                                                                                                                                                                     | Mitchell Hill, John Rattanavong |                                                                                             |                           | Humidity: 51.9% RH               |                                       |                         |         |
| Project:                                                                                                                                                                       | None                            |                                                                                             |                           | Barometric Pres.: 1015 mbar      |                                       |                         |         |
| Tested by:                                                                                                                                                                     | Brandon Hobbs                   | Power:                                                                                      | 54 VDC                    | Job Site: TX05                   |                                       |                         |         |
| TEST SPECIFICATIONS                                                                                                                                                            |                                 |                                                                                             | Test Method               |                                  |                                       |                         |         |
| FCC 24E:2020                                                                                                                                                                   |                                 |                                                                                             | ANSI C63.26:2015          |                                  |                                       |                         |         |
|                                                                                                                                                                                |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| COMMENTS                                                                                                                                                                       |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| All measurement path losses were accounted for in the reference level offset including any attenuators, filters and DC blocks. The carrier was set to maximum for all testing. |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| DEVIATIONS FROM TEST STANDARD                                                                                                                                                  |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| None                                                                                                                                                                           |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| Configuration #                                                                                                                                                                | 2                               | Signature  |                           |                                  |                                       |                         |         |
|                                                                                                                                                                                |                                 | Initial Power<br>(dBm/OBW)                                                                  | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |
| Port 4, Band n25, 1930 MHz - 1995 MHz                                                                                                                                          |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| 5 MHz Bandwidth                                                                                                                                                                |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| QPSK Modulation                                                                                                                                                                |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| Low Channel 1932.5 MHz                                                                                                                                                         |                                 | 49.059                                                                                      | 0                         | No Provided                      | 49.06                                 | 62.15                   | N/A     |
| Mid Channel 1962.5 MHz                                                                                                                                                         |                                 | 49.078                                                                                      | 0                         | No Provided                      | 49.08                                 | 62.15                   | N/A     |
| High Channel 1992.5 MHz                                                                                                                                                        |                                 | 49.021                                                                                      | 0                         | No Provided                      | 49.02                                 | 62.15                   | N/A     |
| 16-QAM Modulation                                                                                                                                                              |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| Low Channel 1932.5 MHz                                                                                                                                                         |                                 | 48.795                                                                                      | 0                         | No Provided                      | 48.80                                 | 62.15                   | N/A     |
| Mid Channel 1962.5 MHz                                                                                                                                                         |                                 | 48.928                                                                                      | 0                         | No Provided                      | 48.93                                 | 62.15                   | N/A     |
| High Channel 1992.5 MHz                                                                                                                                                        |                                 | 48.723                                                                                      | 0                         | No Provided                      | 48.72                                 | 62.15                   | N/A     |
| 64-QAM Modulation                                                                                                                                                              |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| Low Channel 1932.5 MHz                                                                                                                                                         |                                 | 48.947                                                                                      | 0                         | No Provided                      | 48.95                                 | 62.15                   | N/A     |
| Mid Channel 1962.5 MHz                                                                                                                                                         |                                 | 49.106                                                                                      | 0                         | No Provided                      | 49.11                                 | 62.15                   | N/A     |
| High Channel 1992.5 MHz                                                                                                                                                        |                                 | 48.776                                                                                      | 0                         | No Provided                      | 48.78                                 | 62.15                   | N/A     |
| 256-QAM Modulation                                                                                                                                                             |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| Low Channel 1932.5 MHz                                                                                                                                                         |                                 | 48.926                                                                                      | 0                         | No Provided                      | 48.93                                 | 62.15                   | N/A     |
| Mid Channel 1962.5 MHz                                                                                                                                                         |                                 | 49.015                                                                                      | 0                         | No Provided                      | 49.02                                 | 62.15                   | N/A     |
| High Channel 1992.5 MHz                                                                                                                                                        |                                 | 48.658                                                                                      | 0                         | No Provided                      | 48.66                                 | 62.15                   | N/A     |
| 10 MHz Bandwidth                                                                                                                                                               |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| QPSK Modulation                                                                                                                                                                |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| Low Channel 1935 MHz                                                                                                                                                           |                                 | 49.160                                                                                      | 0                         | No Provided                      | 49.16                                 | 62.15                   | N/A     |
| Mid Channel 1962.5 MHz                                                                                                                                                         |                                 | 49.007                                                                                      | 0                         | No Provided                      | 49.01                                 | 62.15                   | N/A     |
| High Channel 1990 MHz                                                                                                                                                          |                                 | 48.995                                                                                      | 0                         | No Provided                      | 49.00                                 | 62.15                   | N/A     |
| 16-QAM Modulation                                                                                                                                                              |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| Low Channel 1935 MHz                                                                                                                                                           |                                 | 48.980                                                                                      | 0                         | No Provided                      | 48.98                                 | 62.15                   | N/A     |
| Mid Channel 1962.5 MHz                                                                                                                                                         |                                 | 48.869                                                                                      | 0                         | No Provided                      | 48.87                                 | 62.15                   | N/A     |
| High Channel 1990 MHz                                                                                                                                                          |                                 | 48.806                                                                                      | 0                         | No Provided                      | 48.81                                 | 62.15                   | N/A     |
| 64-QAM Modulation                                                                                                                                                              |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| Low Channel 1935 MHz                                                                                                                                                           |                                 | 49.150                                                                                      | 0                         | No Provided                      | 49.15                                 | 62.15                   | N/A     |
| Mid Channel 1962.5 MHz                                                                                                                                                         |                                 | 49.017                                                                                      | 0                         | No Provided                      | 49.02                                 | 62.15                   | N/A     |
| High Channel 1990 MHz                                                                                                                                                          |                                 | 48.936                                                                                      | 0                         | No Provided                      | 48.94                                 | 62.15                   | N/A     |
| 256-QAM Modulation                                                                                                                                                             |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| Low Channel 1935 MHz                                                                                                                                                           |                                 | 49.047                                                                                      | 0                         | No Provided                      | 49.05                                 | 62.15                   | N/A     |
| Mid Channel 1962.5 MHz                                                                                                                                                         |                                 | 48.941                                                                                      | 0                         | No Provided                      | 48.94                                 | 62.15                   | N/A     |
| High Channel 1990 MHz                                                                                                                                                          |                                 | 48.862                                                                                      | 0                         | No Provided                      | 48.86                                 | 62.15                   | N/A     |
| 15 MHz Bandwidth                                                                                                                                                               |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| QPSK Modulation                                                                                                                                                                |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| Low Channel 1937.5 MHz                                                                                                                                                         |                                 | 49.223                                                                                      | 0                         | No Provided                      | 49.22                                 | 62.15                   | N/A     |
| Mid Channel 1962.5 MHz                                                                                                                                                         |                                 | 48.985                                                                                      | 0                         | No Provided                      | 48.99                                 | 62.15                   | N/A     |
| High Channel 1987.5 MHz                                                                                                                                                        |                                 | 49.077                                                                                      | 0                         | No Provided                      | 49.08                                 | 62.15                   | N/A     |
| 16-QAM Modulation                                                                                                                                                              |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| Low Channel 1937.5 MHz                                                                                                                                                         |                                 | 49.111                                                                                      | 0                         | No Provided                      | 49.11                                 | 62.15                   | N/A     |
| Mid Channel 1962.5 MHz                                                                                                                                                         |                                 | 48.916                                                                                      | 0                         | No Provided                      | 48.92                                 | 62.15                   | N/A     |
| High Channel 1987.5 MHz                                                                                                                                                        |                                 | 48.927                                                                                      | 0                         | No Provided                      | 48.93                                 | 62.15                   | N/A     |
| 64-QAM Modulation                                                                                                                                                              |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| Low Channel 1937.5 MHz                                                                                                                                                         |                                 | 49.207                                                                                      | 0                         | No Provided                      | 49.21                                 | 62.15                   | N/A     |
| Mid Channel 1962.5 MHz                                                                                                                                                         |                                 | 49.010                                                                                      | 0                         | No Provided                      | 49.01                                 | 62.15                   | N/A     |
| High Channel 1987.5 MHz                                                                                                                                                        |                                 | 48.981                                                                                      | 0                         | No Provided                      | 48.98                                 | 62.15                   | N/A     |
| 256-QAM Modulation                                                                                                                                                             |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| Low Channel 1937.5 MHz                                                                                                                                                         |                                 | 49.186                                                                                      | 0                         | No Provided                      | 49.19                                 | 62.15                   | N/A     |
| Mid Channel 1962.5 MHz                                                                                                                                                         |                                 | 48.989                                                                                      | 0                         | No Provided                      | 48.99                                 | 62.15                   | N/A     |
| High Channel 1987.5 MHz                                                                                                                                                        |                                 | 48.984                                                                                      | 0                         | No Provided                      | 48.98                                 | 62.15                   | N/A     |
| 20 MHz Bandwidth                                                                                                                                                               |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| QPSK Modulation                                                                                                                                                                |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| Low Channel 1940 MHz                                                                                                                                                           |                                 | 49.270                                                                                      | 0                         | No Provided                      | 49.27                                 | 62.15                   | N/A     |
| Mid Channel 1962.5 MHz                                                                                                                                                         |                                 | 49.111                                                                                      | 0                         | No Provided                      | 49.11                                 | 62.15                   | N/A     |
| High Channel 1985 MHz                                                                                                                                                          |                                 | 49.122                                                                                      | 0                         | No Provided                      | 49.12                                 | 62.15                   | N/A     |
| 16-QAM Modulation                                                                                                                                                              |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| Low Channel 1940 MHz                                                                                                                                                           |                                 | 49.186                                                                                      | 0                         | No Provided                      | 49.19                                 | 62.15                   | N/A     |
| Mid Channel 1962.5 MHz                                                                                                                                                         |                                 | 49.051                                                                                      | 0                         | No Provided                      | 49.05                                 | 62.15                   | N/A     |
| High Channel 1985 MHz                                                                                                                                                          |                                 | 49.025                                                                                      | 0                         | No Provided                      | 49.03                                 | 62.15                   | N/A     |
| 64-QAM Modulation                                                                                                                                                              |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| Low Channel 1940 MHz                                                                                                                                                           |                                 | 49.244                                                                                      | 0                         | No Provided                      | 49.24                                 | 62.15                   | N/A     |
| Mid Channel 1962.5 MHz                                                                                                                                                         |                                 | 49.119                                                                                      | 0                         | No Provided                      | 49.12                                 | 62.15                   | N/A     |
| High Channel 1985 MHz                                                                                                                                                          |                                 | 49.076                                                                                      | 0                         | No Provided                      | 49.08                                 | 62.15                   | N/A     |
| 256-QAM Modulation                                                                                                                                                             |                                 |                                                                                             |                           |                                  |                                       |                         |         |
| Low Channel 1940 MHz                                                                                                                                                           |                                 | 49.317                                                                                      | 0                         | No Provided                      | 49.32                                 | 62.15                   | N/A     |
| Mid Channel 1962.5 MHz                                                                                                                                                         |                                 | 49.057                                                                                      | 0                         | No Provided                      | 49.06                                 | 62.15                   | N/A     |
| High Channel 1985 MHz                                                                                                                                                          |                                 | 49.087                                                                                      | 0                         | No Provided                      | 49.09                                 | 62.15                   | N/A     |

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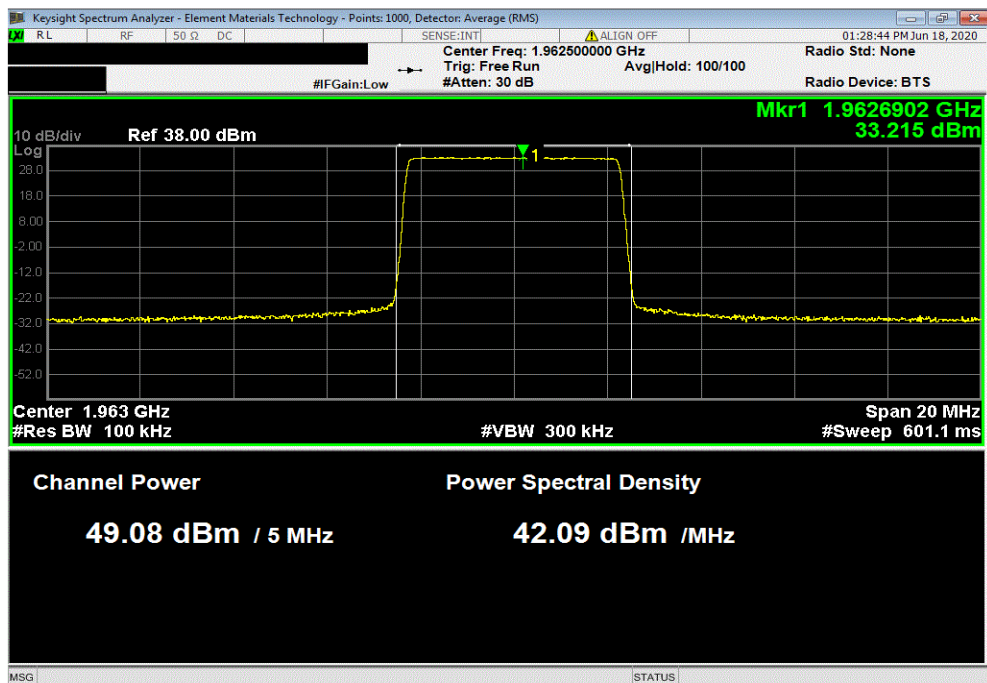


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| Port 4, Band n25, 1930 MHz - 1995 MHz , 5 MHz Bandwidth, QPSK Modulation, Low Channel 1932.5 MHz |                           |                                  |                                       |                         |         |  |
|--------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                       | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.059                                                                                           | 0                         | No Provided                      | 49.1                                  | 62.15                   | N/A     |  |



| Port 4, Band n25, 1930 MHz - 1995 MHz , 5 MHz Bandwidth, QPSK Modulation, Mid Channel 1962.5 MHz |                           |                                  |                                       |                         |         |  |
|--------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                       | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.078                                                                                           | 0                         | No Provided                      | 49.1                                  | 62.15                   | N/A     |  |

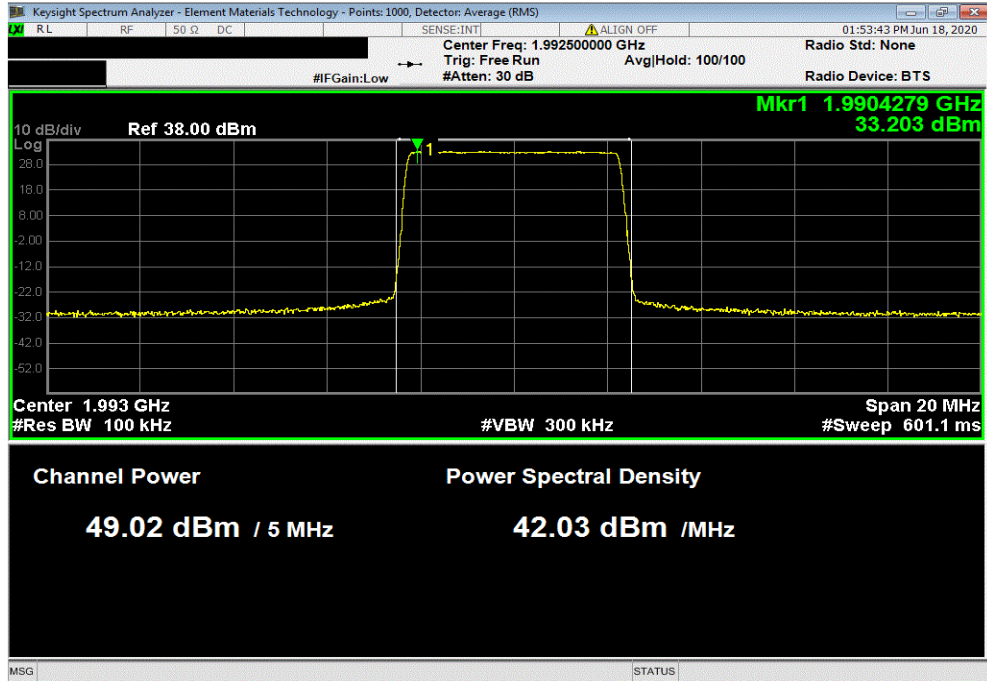


# OUTPUT POWER - BAND n25

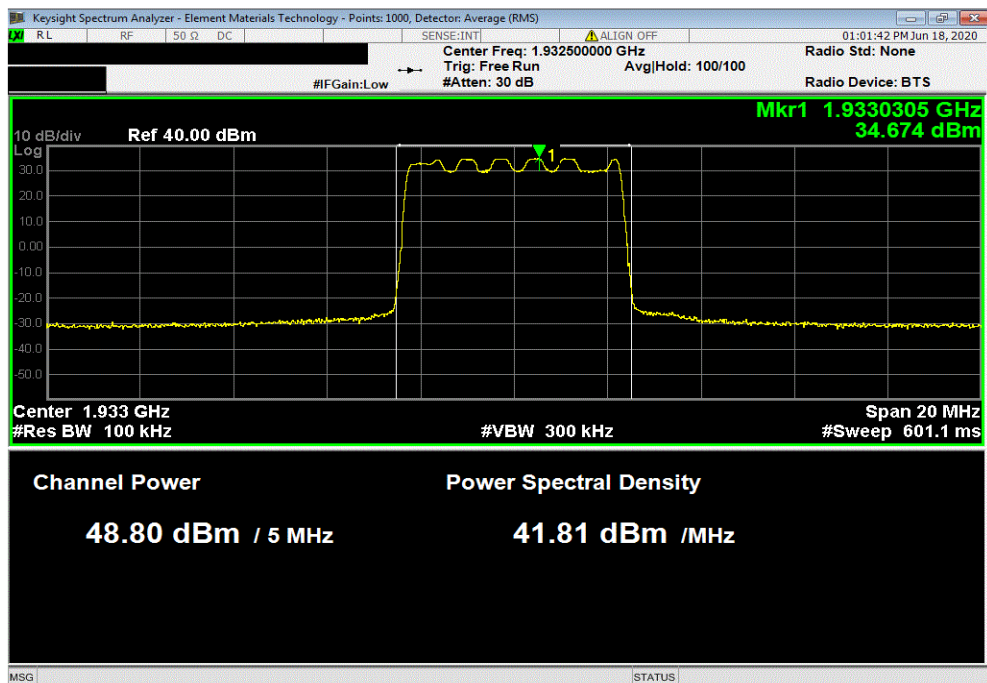


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| Port 4, Band n25, 1930 MHz - 1995 MHz , 5 MHz Bandwidth, QPSK Modulation, High Channel 1992.5 MHz |                           |                                  |                                       |                         |         |  |
|---------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                        | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.021                                                                                            | 0                         | No Provided                      | 49.0                                  | 62.15                   | N/A     |  |



| Port 4, Band n25, 1930 MHz - 1995 MHz , 5 MHz Bandwidth, 16-QAM Modulation , Low Channel 1932.5 MHz |                           |                                  |                                       |                         |         |  |
|-----------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                          | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 48.795                                                                                              | 0                         | No Provided                      | 48.8                                  | 62.15                   | N/A     |  |

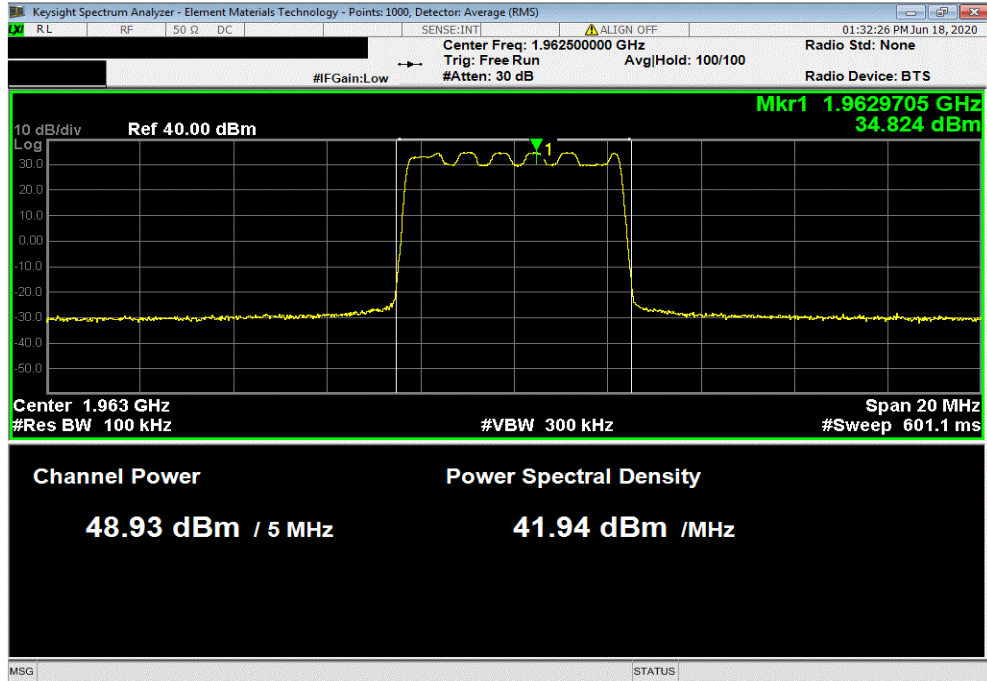


# OUTPUT POWER - BAND n25

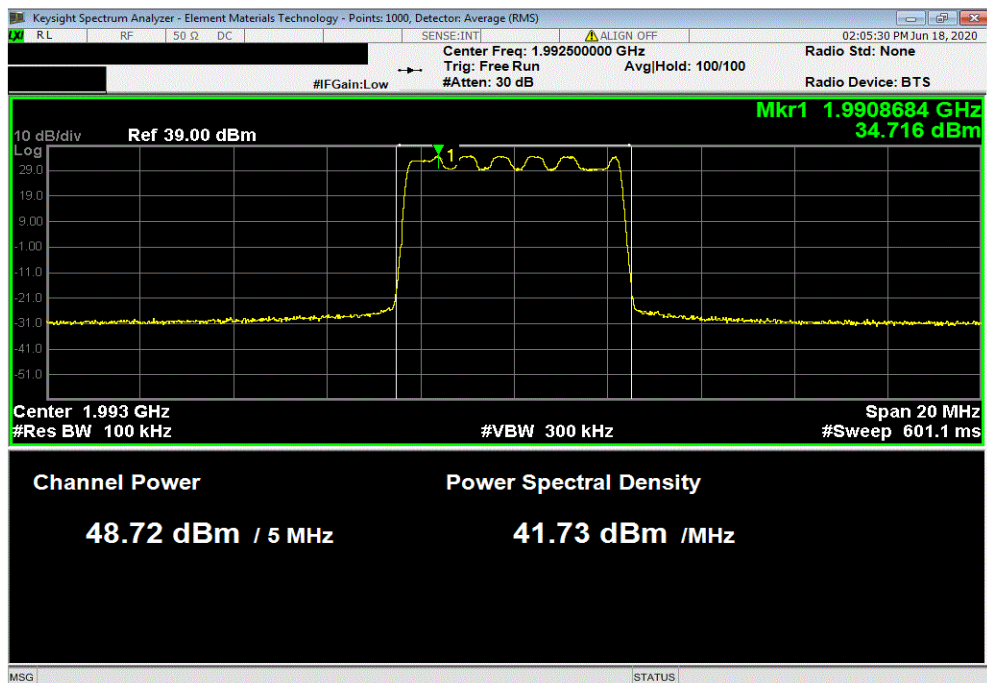


TSTx 2020.06.08.0 BETA XMI 2020.03.25.0

| Port 4, Band n25, 1930 MHz - 1995 MHz , 5 MHz Bandwidth, 16-QAM Modulation , Mid Channel 1962.5 MHz |                           |                                  |                                       |                         |         |  |
|-----------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                          | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 48.928                                                                                              | 0                         | No Provided                      | 48.9                                  | 62.15                   | N/A     |  |



| Port 4, Band n25, 1930 MHz - 1995 MHz , 5 MHz Bandwidth, 16-QAM Modulation , High Channel 1992.5 MHz |                           |                                  |                                       |                         |         |  |
|------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                           | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 48.723                                                                                               | 0                         | No Provided                      | 48.7                                  | 62.15                   | N/A     |  |

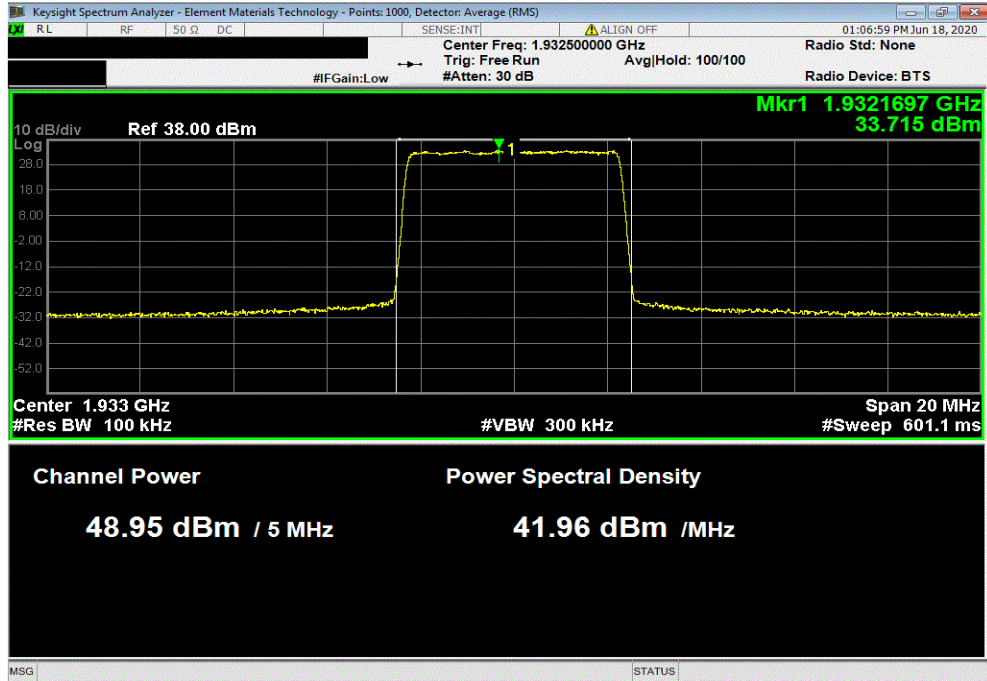


# OUTPUT POWER - BAND n25

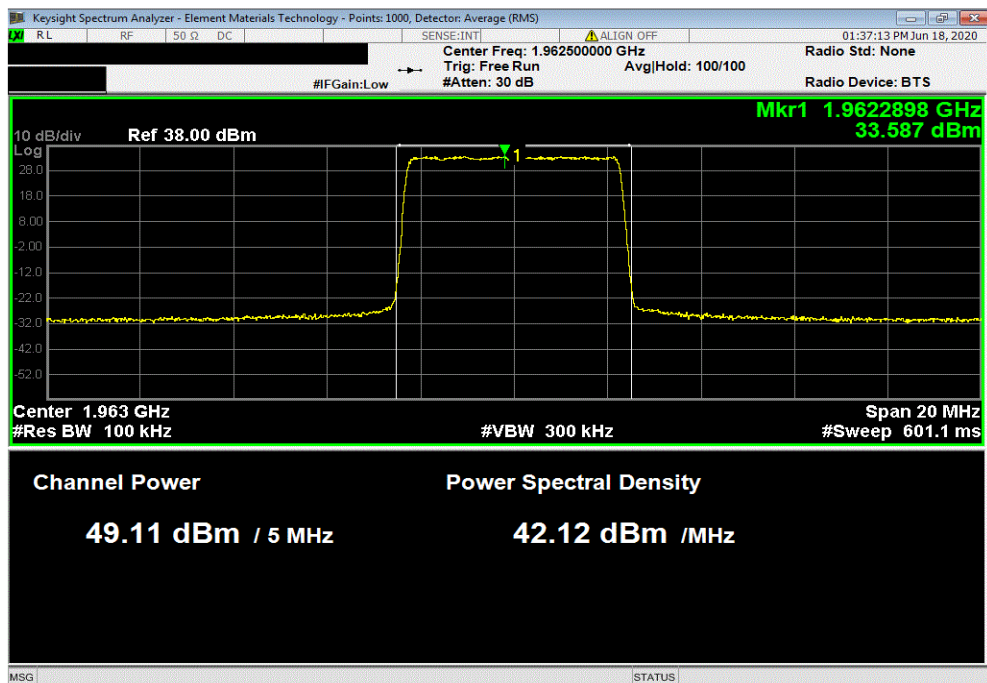


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| Port 4, Band n25, 1930 MHz - 1995 MHz, 5 MHz Bandwidth, 64-QAM Modulation, Low Channel 1932.5 MHz |                           |                                  |                                       |                         |         |  |
|---------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                        | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 48.947                                                                                            | 0                         | No Provided                      | 48.9                                  | 62.15                   | N/A     |  |



| Port 4, Band n25, 1930 MHz - 1995 MHz, 5 MHz Bandwidth, 64-QAM Modulation, Mid Channel 1962.5 MHz |                           |                                  |                                       |                         |         |  |
|---------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                        | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.106                                                                                            | 0                         | No Provided                      | 49.1                                  | 62.15                   | N/A     |  |

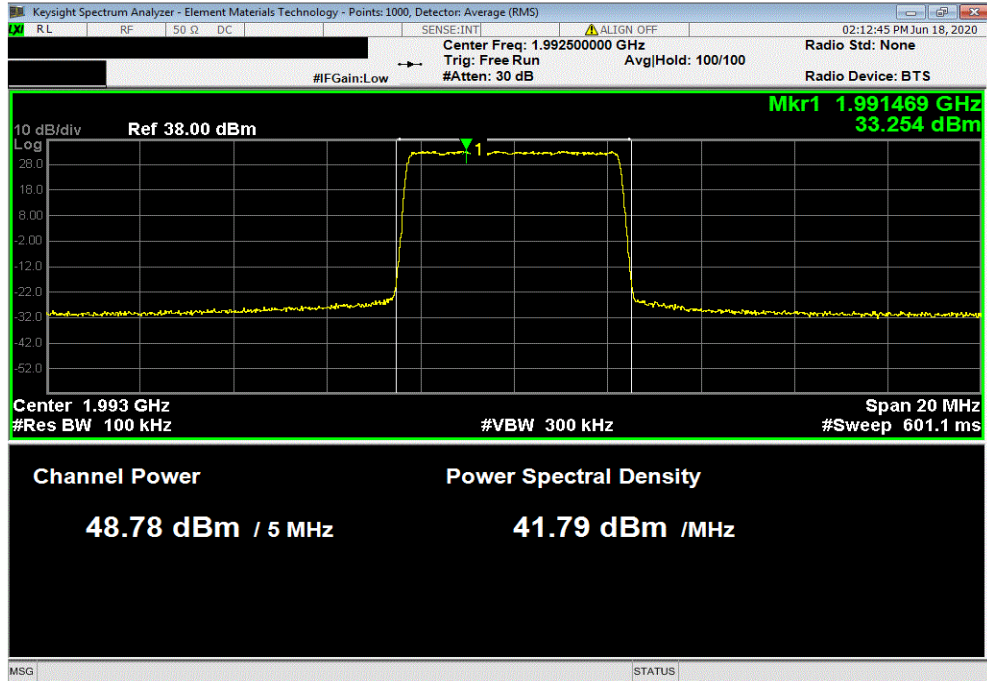


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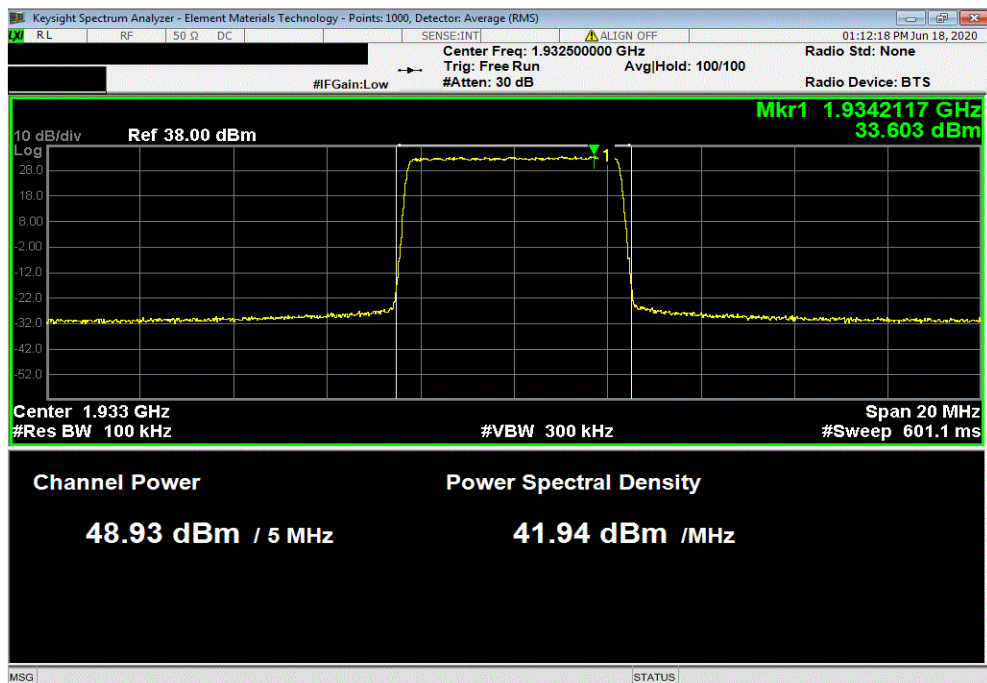


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| Port 4, Band n25, 1930 MHz - 1995 MHz, 5 MHz Bandwidth, 64-QAM Modulation, High Channel 1992.5 MHz |                           |                                  |                                       |                         |         |  |
|----------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                         | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 48.776                                                                                             | 0                         | No Provided                      | 48.8                                  | 62.15                   | N/A     |  |



| Port 4, Band n25, 1930 MHz - 1995 MHz, 5 MHz Bandwidth, 256-QAM Modulation, Low Channel 1932.5 MHz |                           |                                  |                                       |                         |         |  |
|----------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                         | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 48.926                                                                                             | 0                         | No Provided                      | 48.9                                  | 62.15                   | N/A     |  |

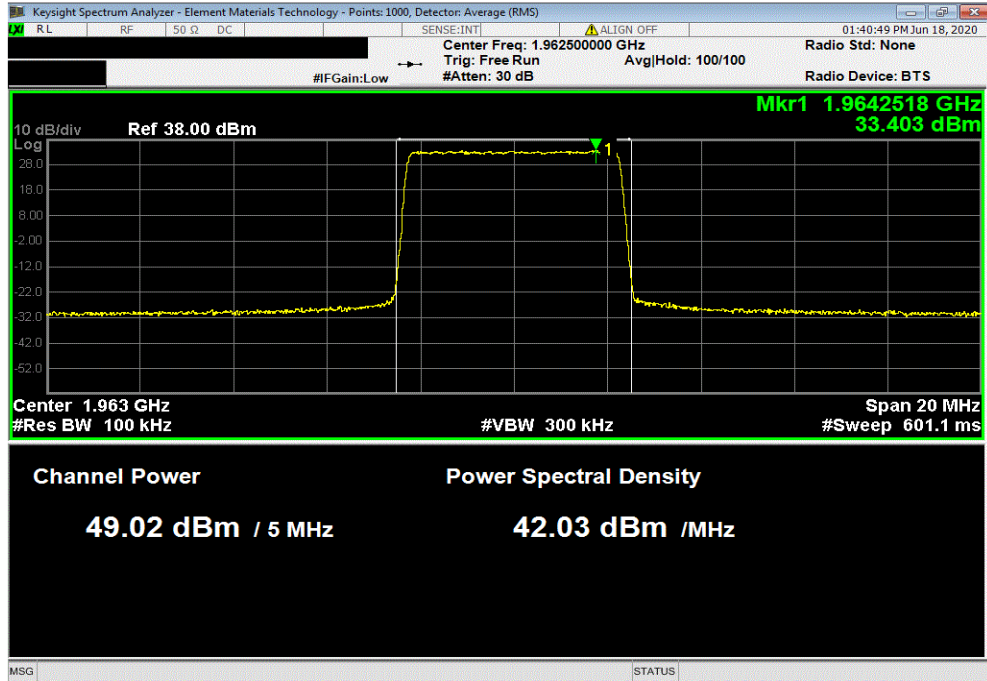


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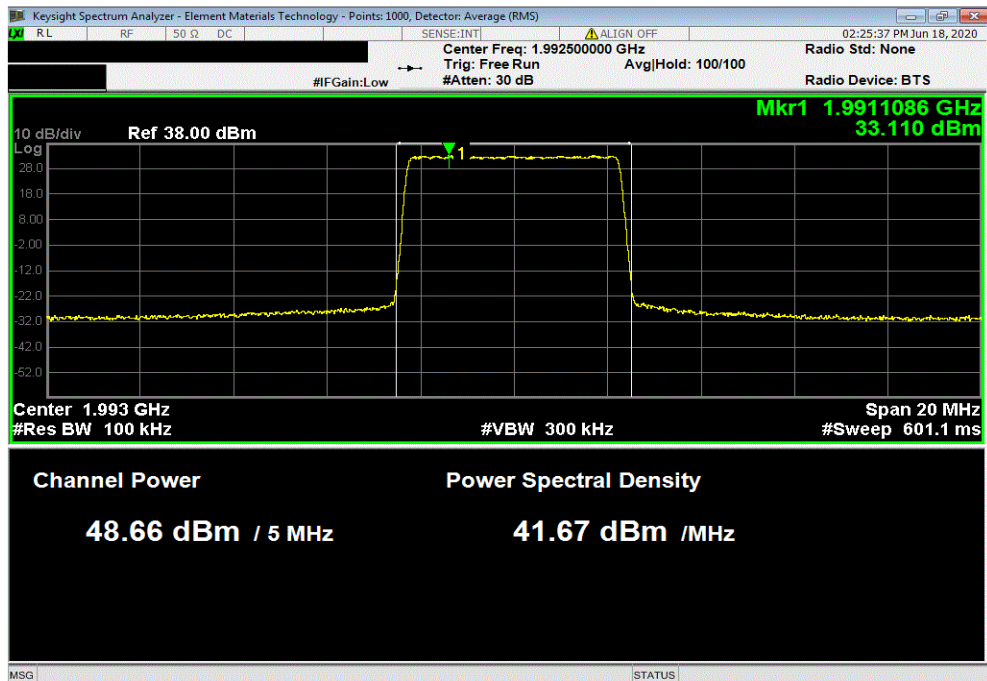


TSTx 2020.06.08.0 BETA XMI 2020.03.25.0

| Port 4, Band n25, 1930 MHz - 1995 MHz, 5 MHz Bandwidth, 256-QAM Modulation, Mid Channel 1962.5 MHz |                           |                                  |                                       |                         |         |  |
|----------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                         | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.015                                                                                             | 0                         | No Provided                      | 49.0                                  | 62.15                   | N/A     |  |



| Port 4, Band n25, 1930 MHz - 1995 MHz, 5 MHz Bandwidth, 256-QAM Modulation, High Channel 1992.5 MHz |                           |                                  |                                       |                         |         |  |
|-----------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                          | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 48.658                                                                                              | 0                         | No Provided                      | 48.7                                  | 62.15                   | N/A     |  |

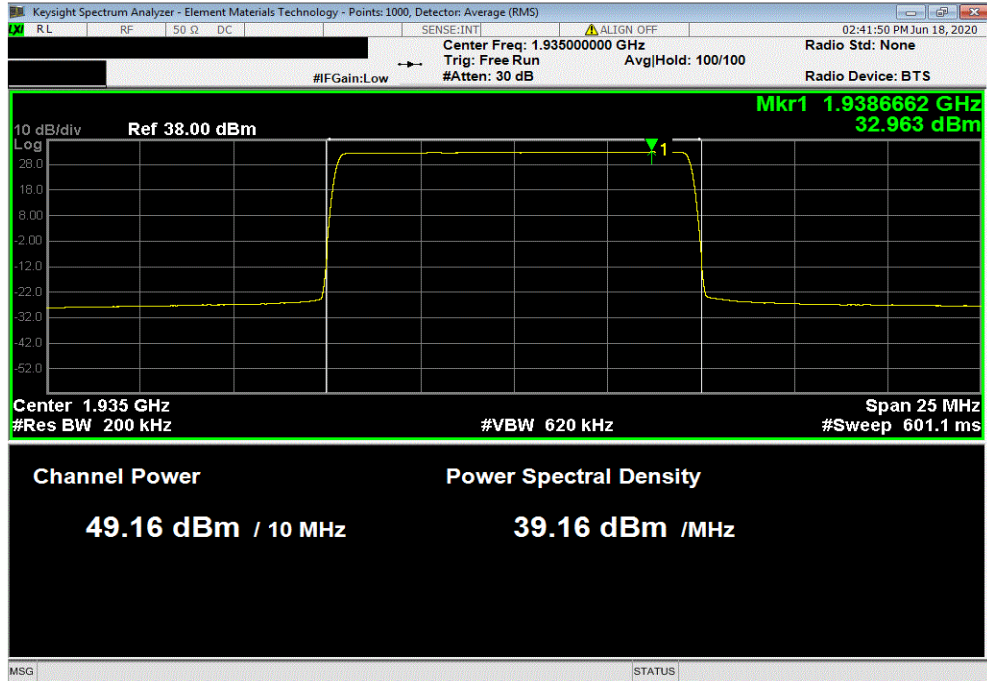


# OUTPUT POWER - BAND n25

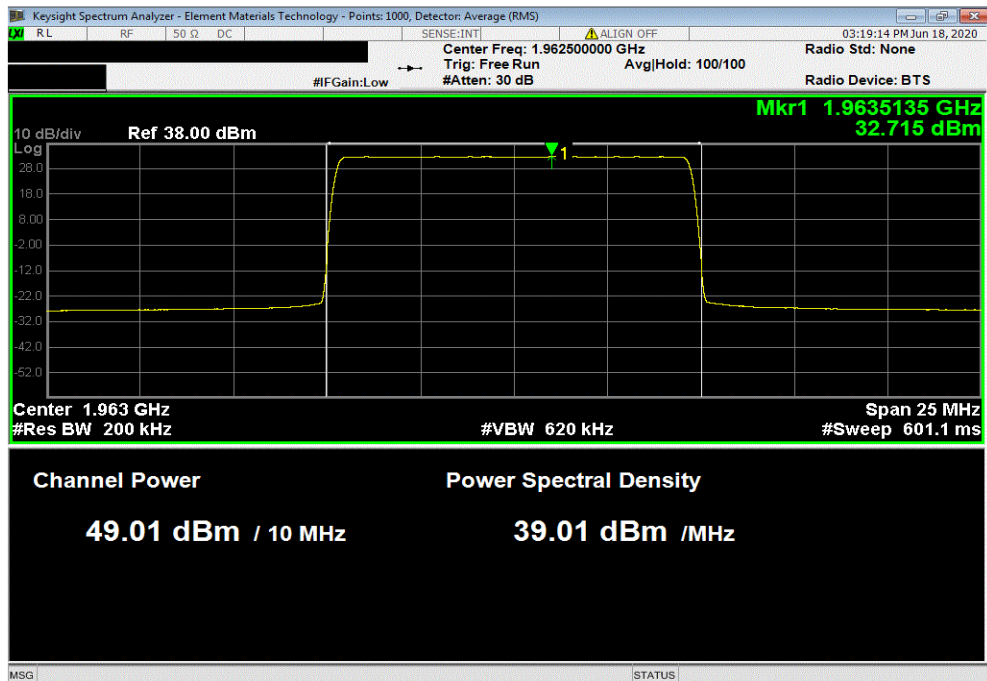


TSTx 2020.06.08.0 BETA XMI 2020.03.25.0

| Port 4, Band n25, 1930 MHz - 1995 MHz , 10 MHz Bandwidth, QPSK Modulation, Low Channel 1935 MHz |                           |                                  |                                       |                         |         |  |
|-------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                      | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.16                                                                                           | 0                         | No Provided                      | 49.2                                  | 62.15                   | N/A     |  |



| Port 4, Band n25, 1930 MHz - 1995 MHz , 10 MHz Bandwidth, QPSK Modulation, Mid Channel 1962.5 MHz |                           |                                  |                                       |                         |         |  |
|---------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                        | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.007                                                                                            | 0                         | No Provided                      | 49.0                                  | 62.15                   | N/A     |  |

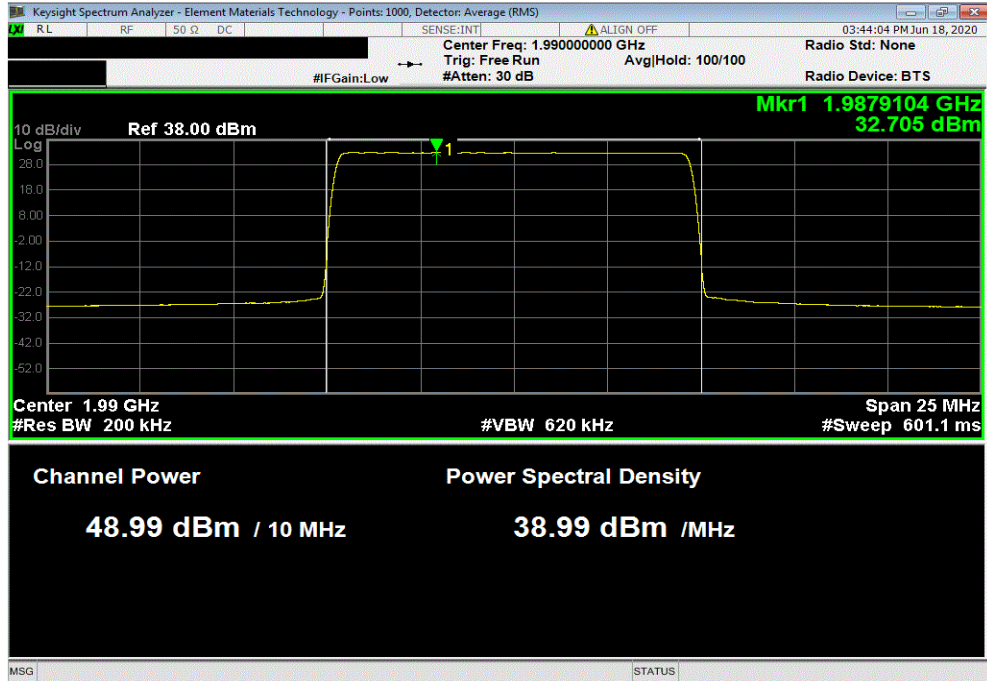


# OUTPUT POWER - BAND n25

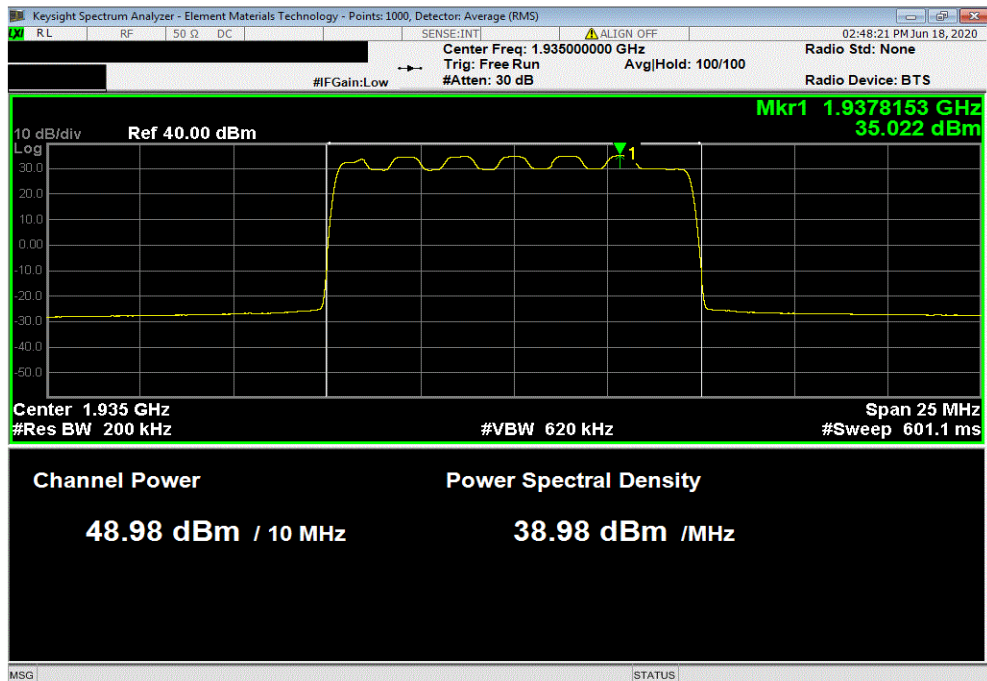


TSTx 2020.06.08.0 BETA XMI 2020.03.25.0

| Port 4, Band n25, 1930 MHz - 1995 MHz , 10 MHz Bandwidth, QPSK Modulation, High Channel 1990 MHz |                           |                                  |                                       |                         |         |  |
|--------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                       | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 48.995                                                                                           | 0                         | No Provided                      | 49.0                                  | 62.15                   | N/A     |  |



| Port 4, Band n25, 1930 MHz - 1995 MHz , 10 MHz Bandwidth, 16-QAM Modulation , Low Channel 1935 MHz |                           |                                  |                                       |                         |         |  |
|----------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                         | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 48.98                                                                                              | 0                         | No Provided                      | 49.0                                  | 62.15                   | N/A     |  |

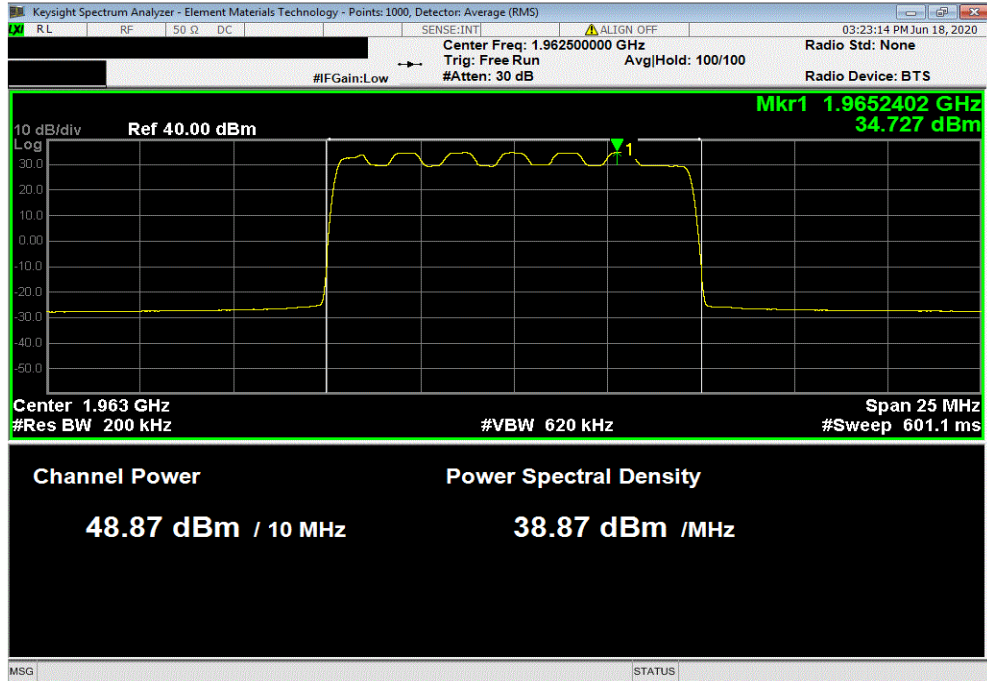


# OUTPUT POWER - BAND n25

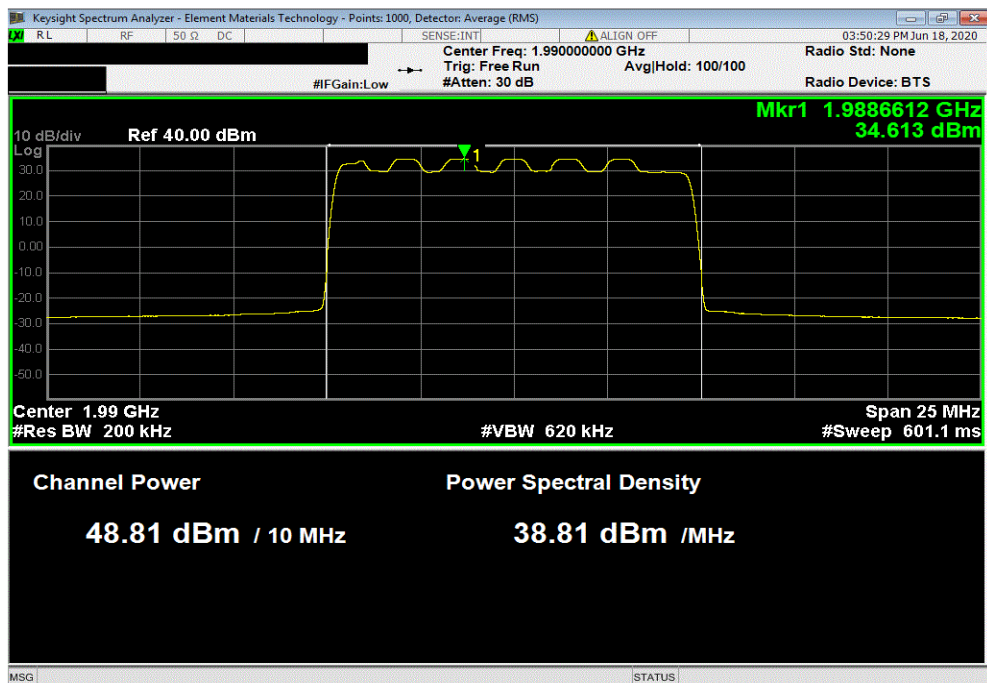


TSTx 2020.06.08.0 BETA XMI 2020.03.25.0

| Port 4, Band n25, 1930 MHz - 1995 MHz , 10 MHz Bandwidth, 16-QAM Modulation , Mid Channel 1962.5 MHz |                           |                                  |                                       |                         |         |  |
|------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                           | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 48.869                                                                                               | 0                         | No Provided                      | 48.9                                  | 62.15                   | N/A     |  |



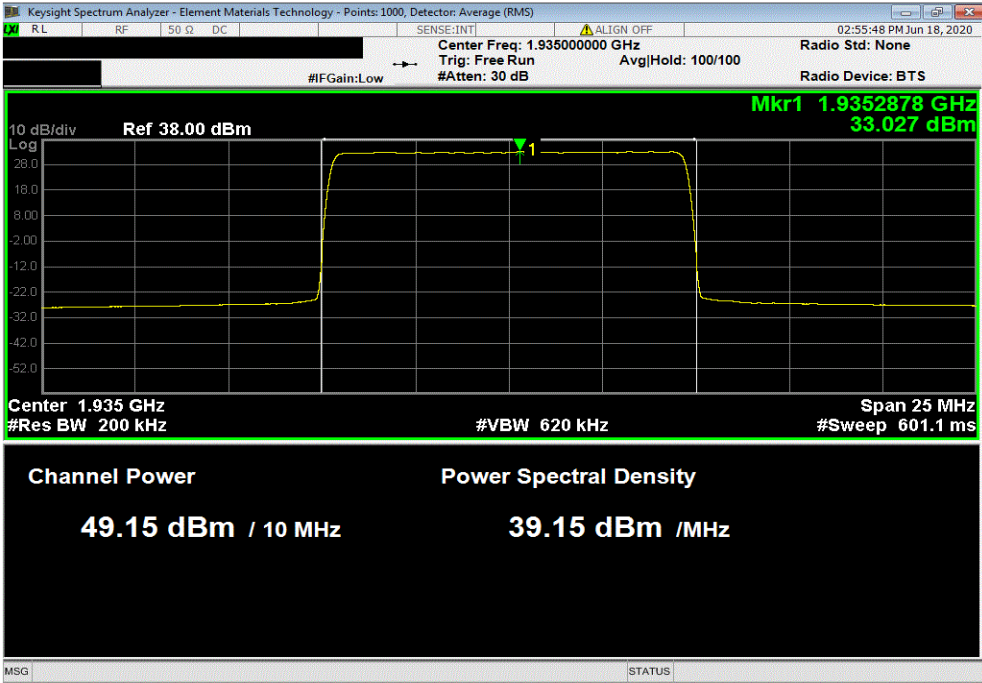
| Port 4, Band n25, 1930 MHz - 1995 MHz , 10 MHz Bandwidth, 16-QAM Modulation , High Channel 1990 MHz |                           |                                  |                                       |                         |         |  |
|-----------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                          | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 48.806                                                                                              | 0                         | No Provided                      | 48.8                                  | 62.15                   | N/A     |  |



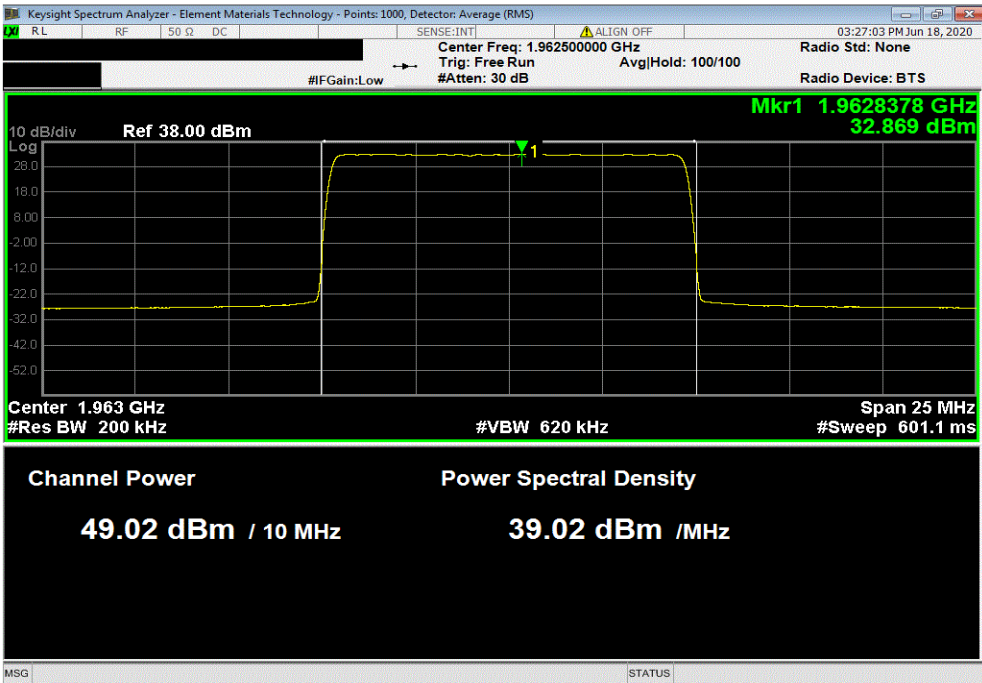
# OUTPUT POWER - BAND n25

TSTx 2020.06.08.0 BETA XMI 2020.03.25.0

| Port 4, Band n25, 1930 MHz - 1995 MHz , 10 MHz Bandwidth, 64-QAM Modulation, Low Channel 1935 MHz |                           |                                  |                                       |                         |         |  |
|---------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                        | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.15                                                                                             | 0                         | No Provided                      | 49.2                                  | 62.15                   | N/A     |  |



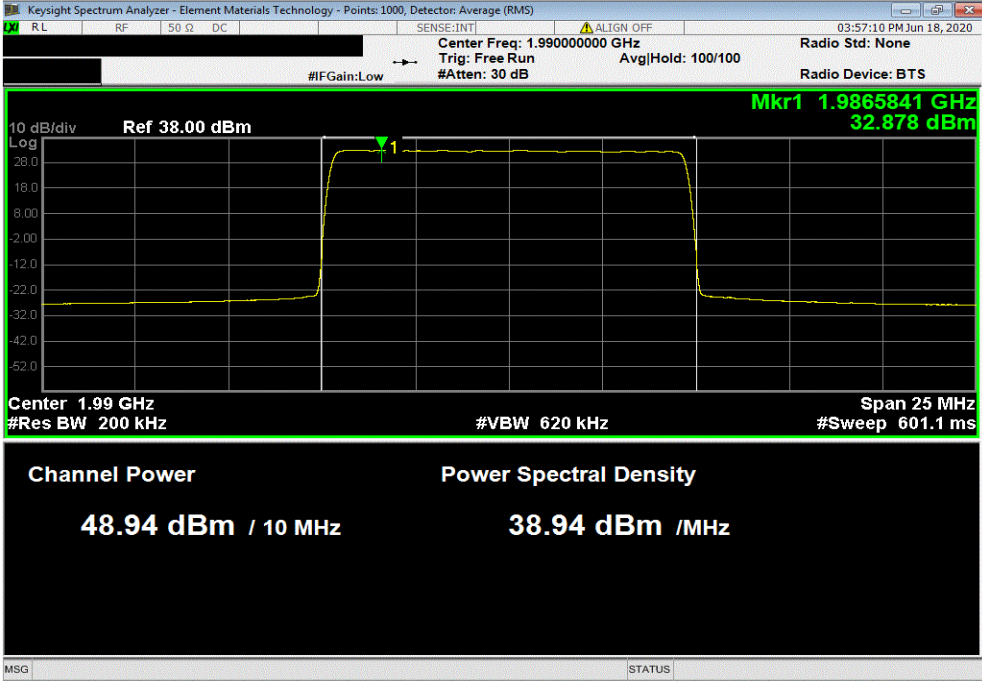
| Port 4, Band n25, 1930 MHz - 1995 MHz , 10 MHz Bandwidth, 64-QAM Modulation, Mid Channel 1962.5 MHz |                           |                                  |                                       |                         |         |  |
|-----------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                          | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.017                                                                                              | 0                         | No Provided                      | 49.0                                  | 62.15                   | N/A     |  |



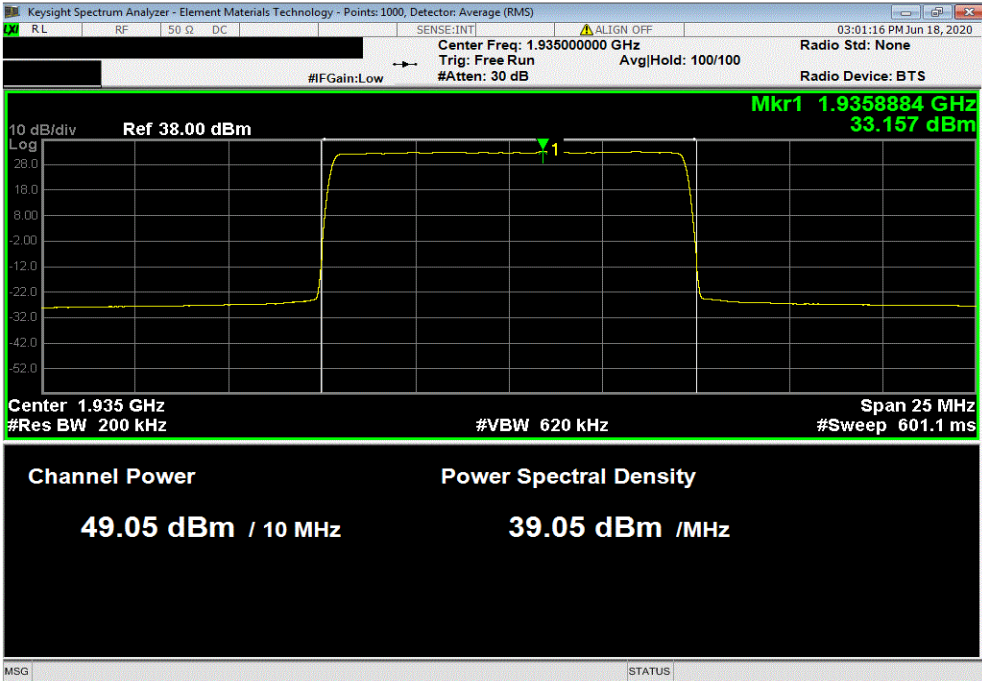
# OUTPUT POWER - BAND n25

TSTx 2020.06.08.0 BETA XMI 2020.03.25.0

| Port 4, Band n25, 1930 MHz - 1995 MHz , 10 MHz Bandwidth, 64-QAM Modulation, High Channel 1990 MHz |                           |                                  |                                       |                         |         |  |
|----------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                         | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 48.936                                                                                             | 0                         | No Provided                      | 48.9                                  | 62.15                   | N/A     |  |



| Port 4, Band n25, 1930 MHz - 1995 MHz , 10 MHz Bandwidth, 256-QAM Modulation, Low Channel 1935 MHz |                           |                                  |                                       |                         |         |  |
|----------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                         | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.047                                                                                             | 0                         | No Provided                      | 49.0                                  | 62.15                   | N/A     |  |

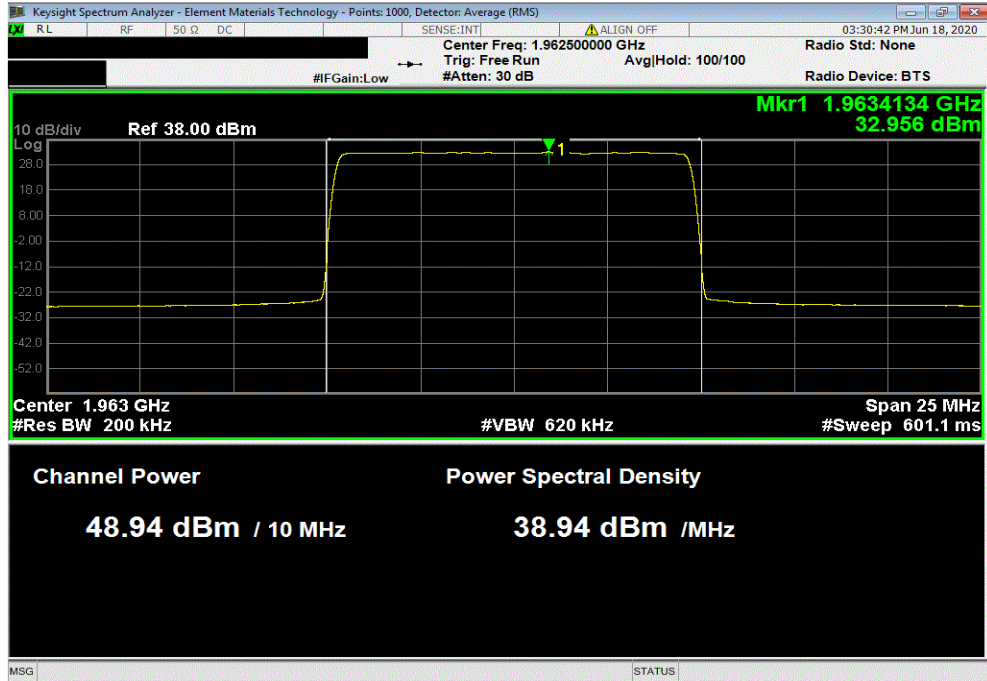


# OUTPUT POWER - BAND n25

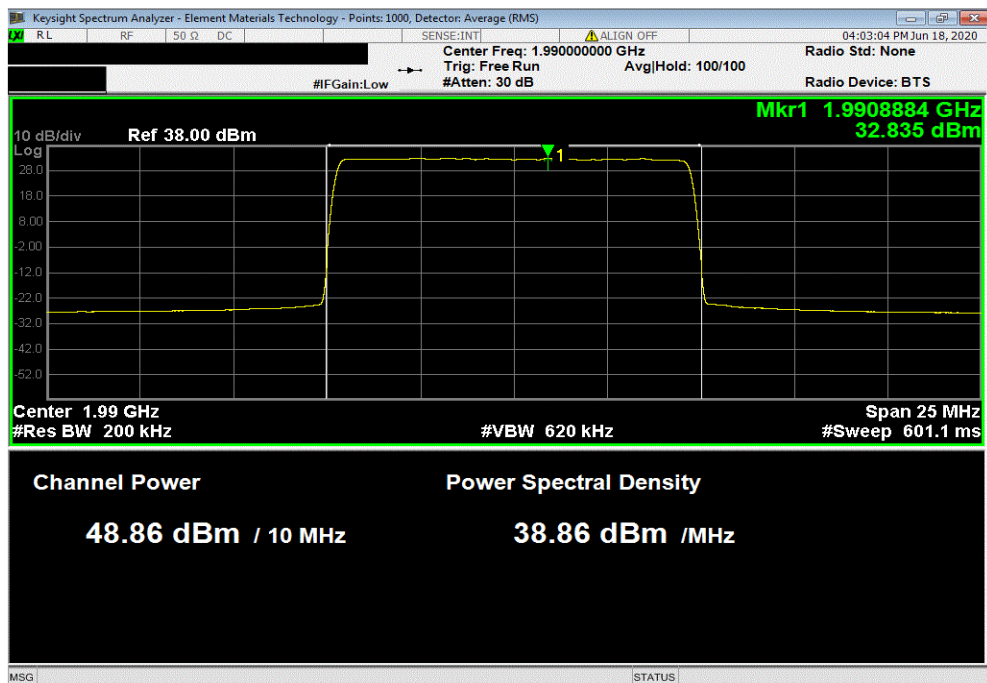


TSTx 2020.06.08.0 BETA XMI 2020.03.25.0

| Port 4, Band n25, 1930 MHz - 1995 MHz, 10 MHz Bandwidth, 256-QAM Modulation, Mid Channel 1962.5 MHz |                           |                                  |                                       |                         |         |  |
|-----------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                          | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 48.941                                                                                              | 0                         | No Provided                      | 48.9                                  | 62.15                   | N/A     |  |



| Port 4, Band n25, 1930 MHz - 1995 MHz, 10 MHz Bandwidth, 256-QAM Modulation, High Channel 1990 MHz |                           |                                  |                                       |                         |         |  |
|----------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                         | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 48.862                                                                                             | 0                         | No Provided                      | 48.9                                  | 62.15                   | N/A     |  |

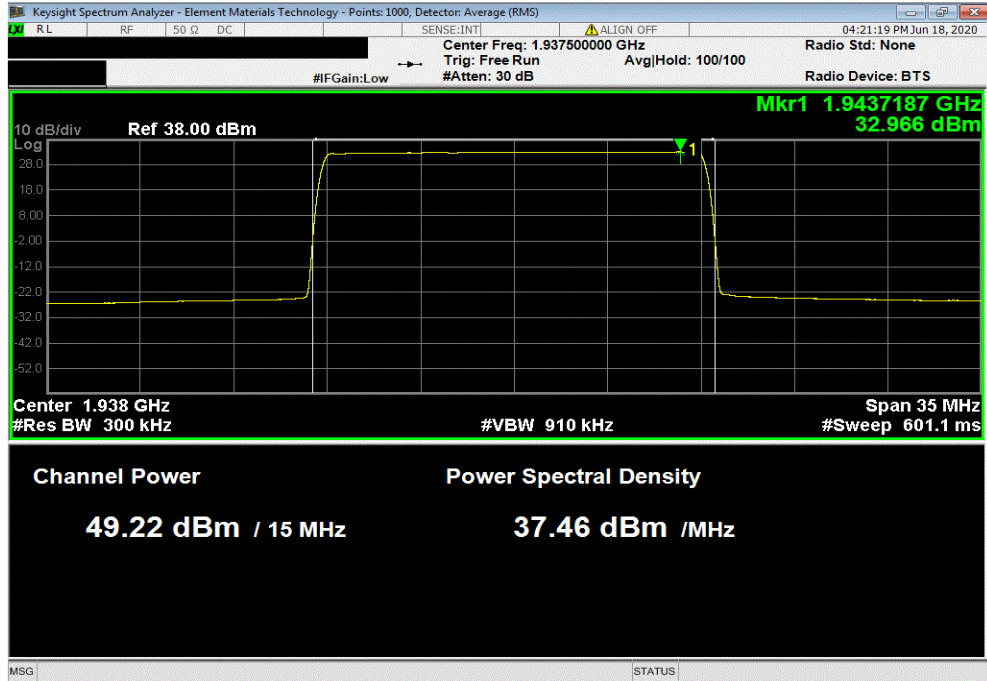


# OUTPUT POWER - BAND n25

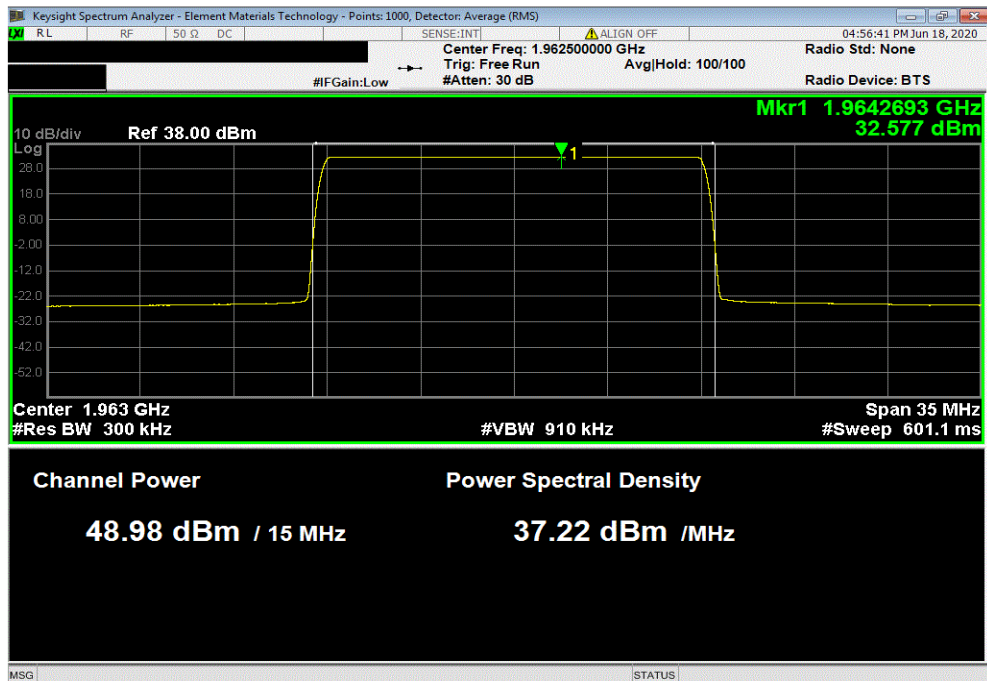


TSTx 2020.06.08.0 BETA XMI 2020.03.25.0

| Port 4, Band n25, 1930 MHz - 1995 MHz , 15 MHz Bandwidth, QPSK Modulation, Low Channel 1937.5 MHz |                           |                                  |                                       |                         |         |  |
|---------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                        | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.223                                                                                            | 0                         | No Provided                      | 49.2                                  | 62.15                   | N/A     |  |



| Port 4, Band n25, 1930 MHz - 1995 MHz , 15 MHz Bandwidth, QPSK Modulation, Mid Channel 1962.5 MHz |                           |                                  |                                       |                         |         |  |
|---------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                        | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 48.985                                                                                            | 0                         | No Provided                      | 49.0                                  | 62.15                   | N/A     |  |

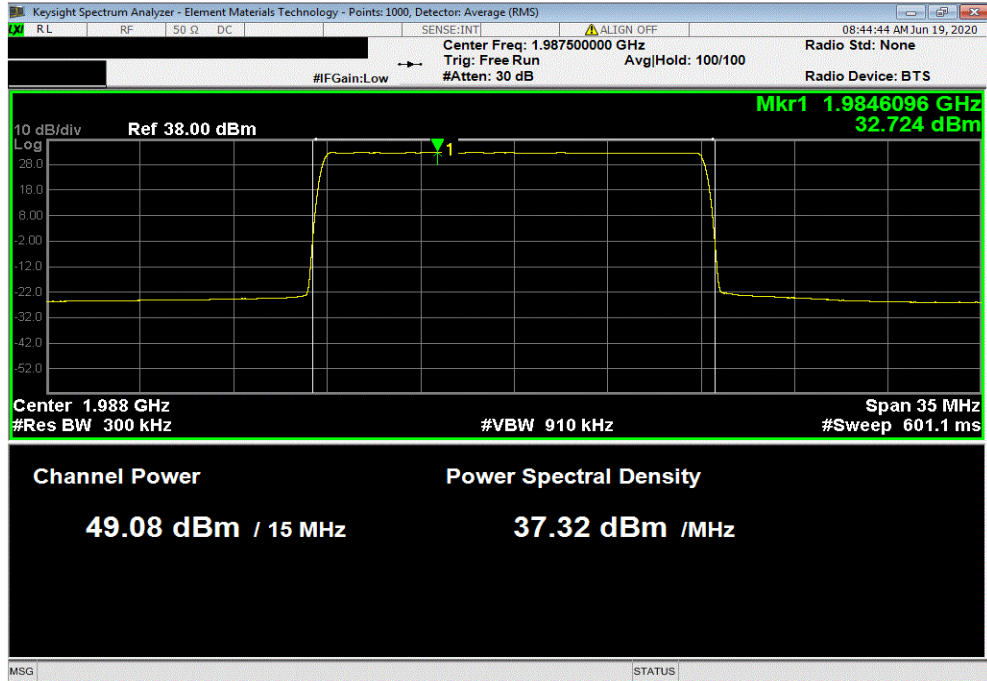


# OUTPUT POWER - BAND n25

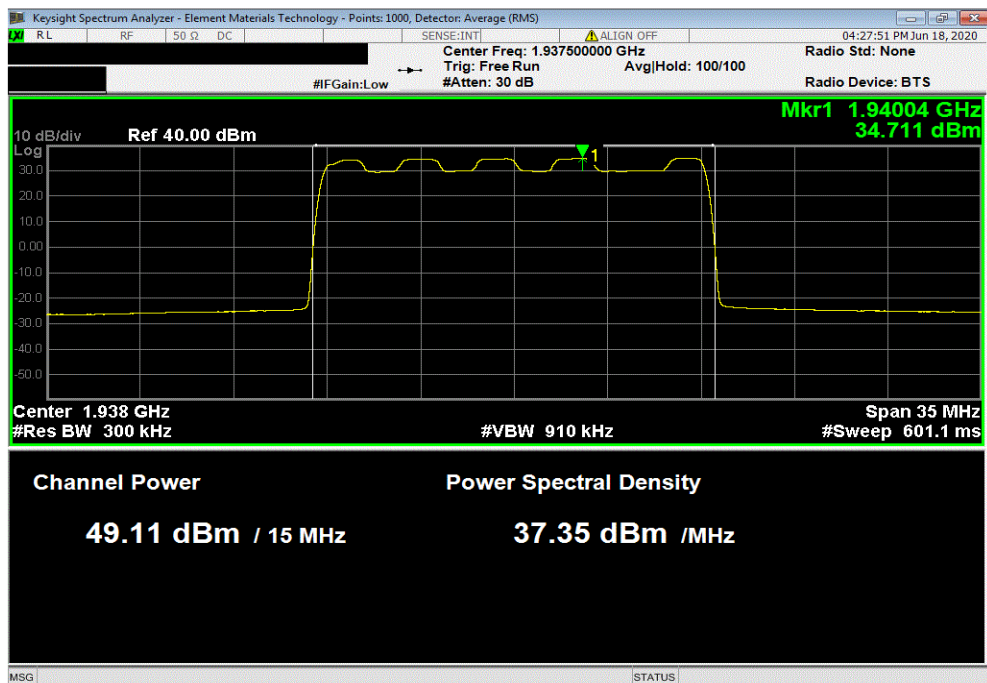


TSTx 2020.06.08.0 BETA XMM 2020.03.25.0

| Port 4, Band n25, 1930 MHz - 1995 MHz , 15 MHz Bandwidth, QPSK Modulation, High Channel 1987.5 MHz |                           |                                  |                                       |                         |         |  |
|----------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                         | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.077                                                                                             | 0                         | No Provided                      | 49.1                                  | 62.15                   | N/A     |  |



| Port 4, Band n25, 1930 MHz - 1995 MHz , 15 MHz Bandwidth, 16-QAM Modulation , Low Channel 1937.5 MHz |                           |                                  |                                       |                         |         |  |
|------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                           | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.111                                                                                               | 0                         | No Provided                      | 49.1                                  | 62.15                   | N/A     |  |

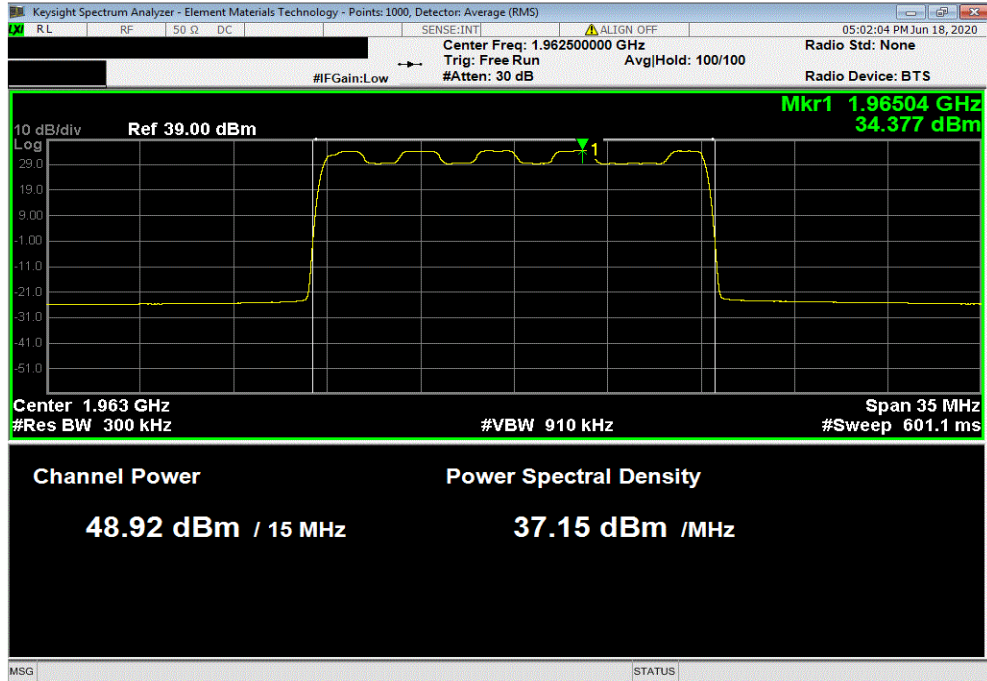


# OUTPUT POWER - BAND n25

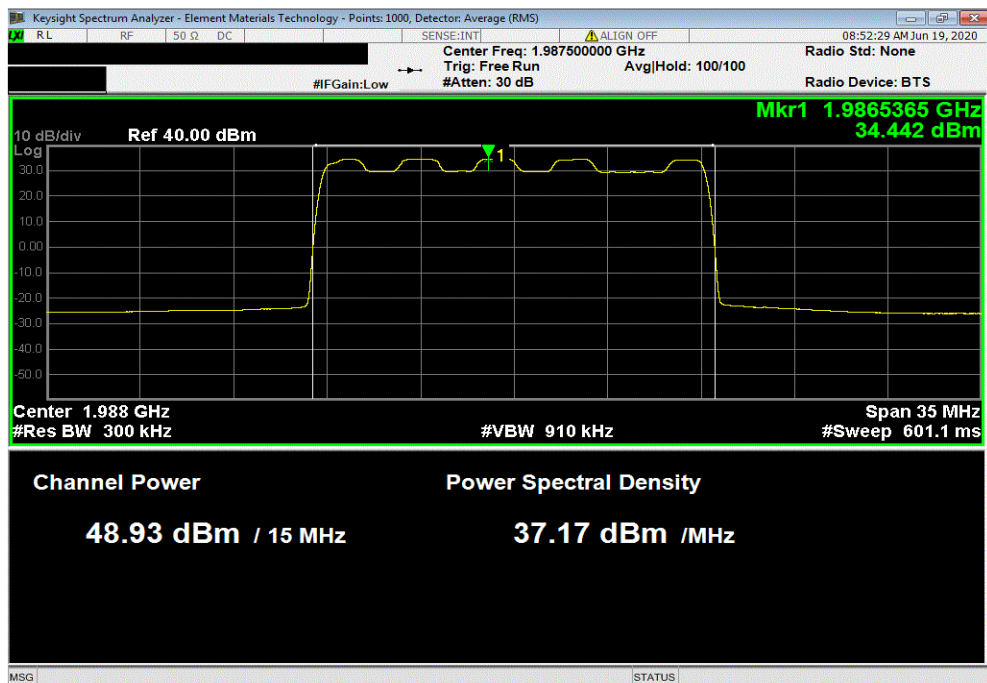


TSTx 2020.06.08.0 BETA XMI 2020.03.25.0

| Port 4, Band n25, 1930 MHz - 1995 MHz , 15 MHz Bandwidth, 16-QAM Modulation , Mid Channel 1962.5 MHz |                           |                                  |                                       |                         |         |  |
|------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                           | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 48.916                                                                                               | 0                         | No Provided                      | 48.9                                  | 62.15                   | N/A     |  |



| Port 4, Band n25, 1930 MHz - 1995 MHz , 15 MHz Bandwidth, 16-QAM Modulation , High Channel 1987.5 MHz |                           |                                  |                                       |                         |         |  |
|-------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                            | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 48.927                                                                                                | 0                         | No Provided                      | 48.9                                  | 62.15                   | N/A     |  |

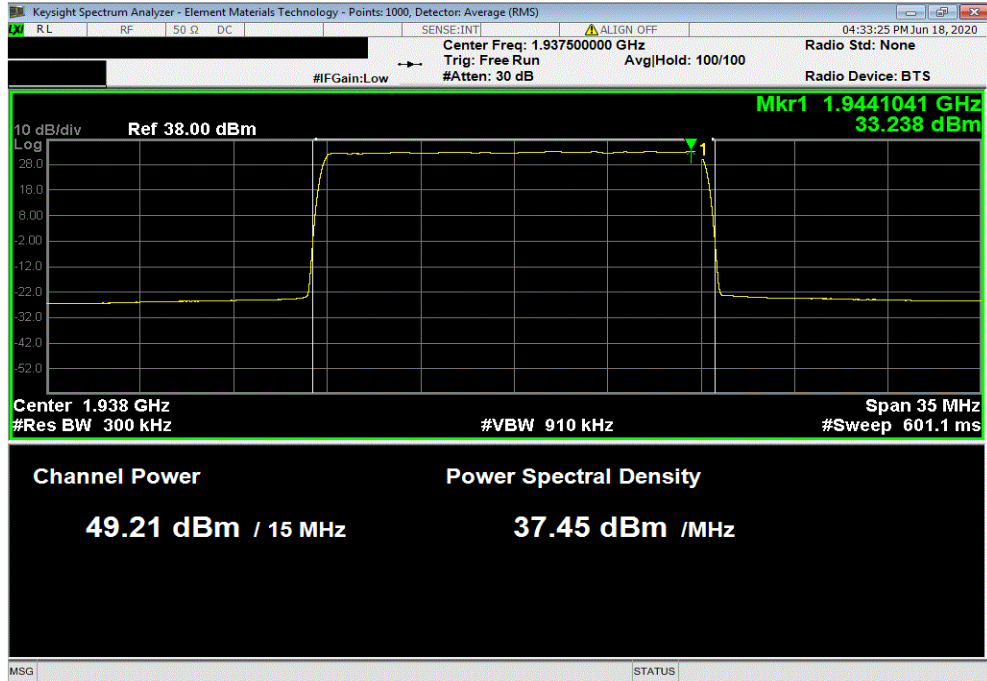


# OUTPUT POWER - BAND n25

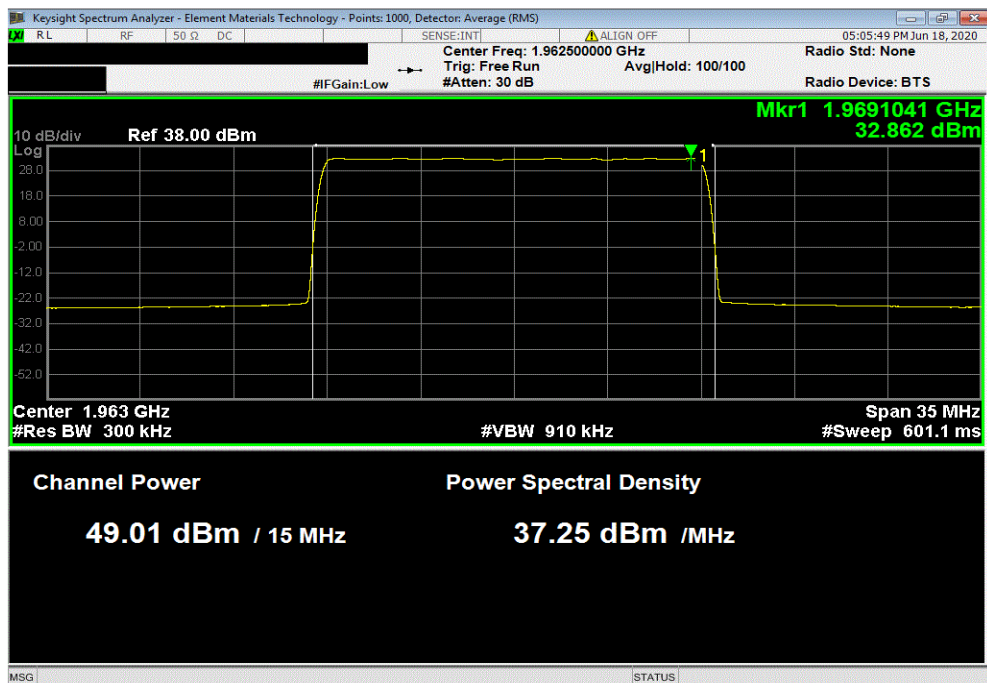


TSTx 2020.06.08.0 BETA XMI 2020.03.25.0

| Port 4, Band n25, 1930 MHz - 1995 MHz, 15 MHz Bandwidth, 64-QAM Modulation, Low Channel 1937.5 MHz |                           |                                  |                                       |                         |         |  |
|----------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                         | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.207                                                                                             | 0                         | No Provided                      | 49.2                                  | 62.15                   | N/A     |  |



| Port 4, Band n25, 1930 MHz - 1995 MHz, 15 MHz Bandwidth, 64-QAM Modulation, Mid Channel 1962.5 MHz |                           |                                  |                                       |                         |         |  |
|----------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                         | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.01                                                                                              | 0                         | No Provided                      | 49.0                                  | 62.15                   | N/A     |  |

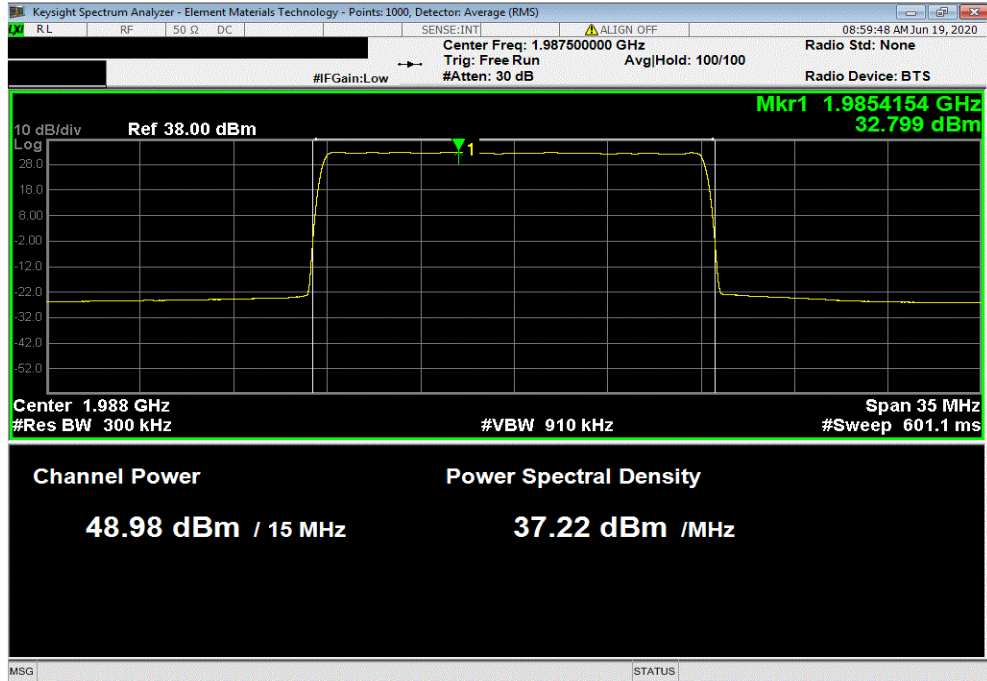


# OUTPUT POWER - BAND n25

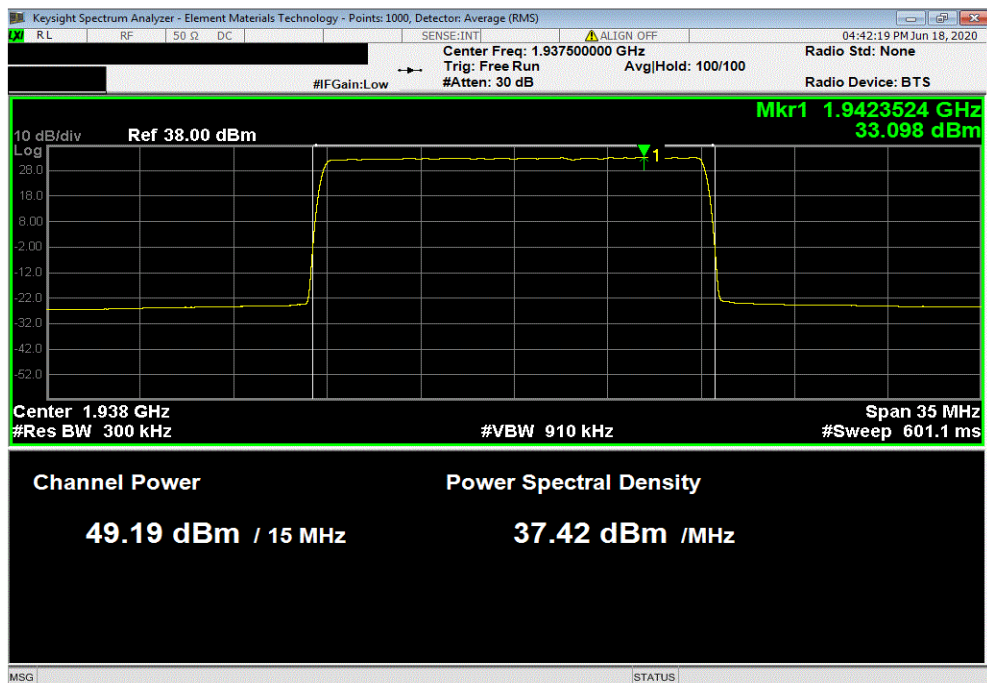


TSTx 2020.06.08.0 BETA XMI 2020.03.25.0

| Port 4, Band n25, 1930 MHz - 1995 MHz, 15 MHz Bandwidth, 64-QAM Modulation, High Channel 1987.5 MHz |                           |                                  |                                       |                         |         |  |
|-----------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                          | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 48.981                                                                                              | 0                         | No Provided                      | 49.0                                  | 62.15                   | N/A     |  |



| Port 4, Band n25, 1930 MHz - 1995 MHz, 15 MHz Bandwidth, 256-QAM Modulation, Low Channel 1937.5 MHz |                           |                                  |                                       |                         |         |  |
|-----------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                          | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.186                                                                                              | 0                         | No Provided                      | 49.2                                  | 62.15                   | N/A     |  |

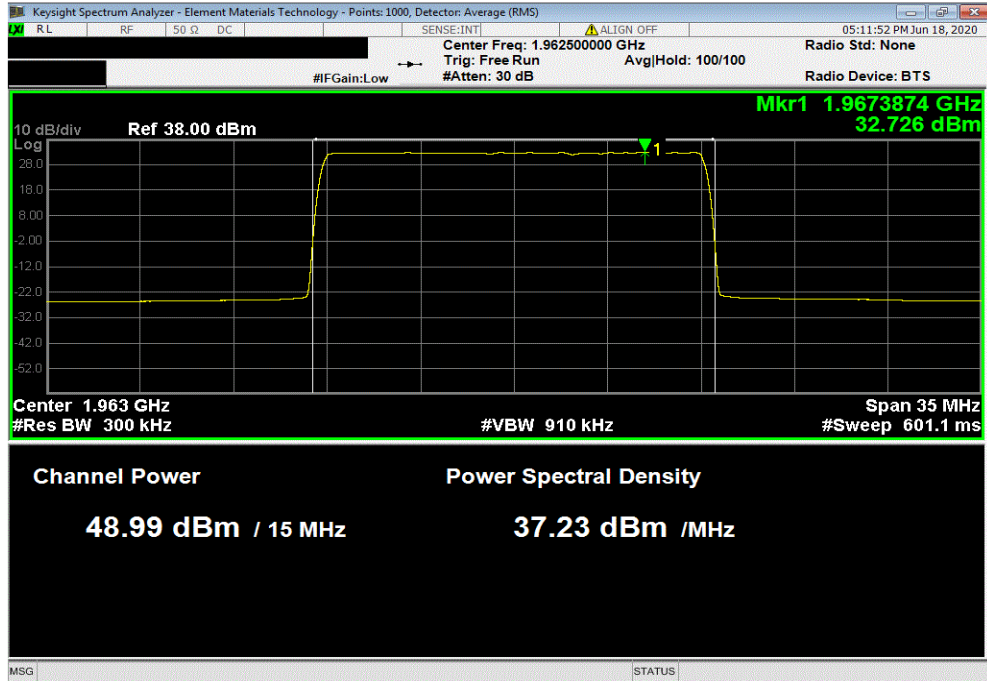


# OUTPUT POWER - BAND n25

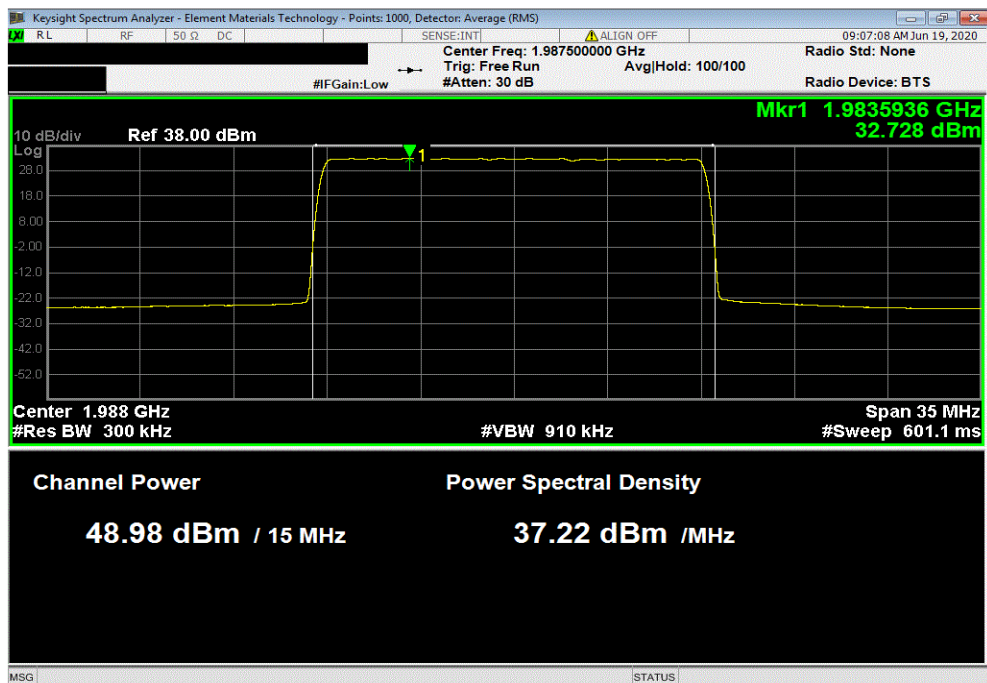


TSTx 2020.06.08.0 BETA XMI 2020.03.25.0

| Port 4, Band n25, 1930 MHz - 1995 MHz, 15 MHz Bandwidth, 256-QAM Modulation, Mid Channel 1962.5 MHz |                           |                                  |                                       |                         |         |  |
|-----------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                          | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 48.989                                                                                              | 0                         | No Provided                      | 49.0                                  | 62.15                   | N/A     |  |



| Port 4, Band n25, 1930 MHz - 1995 MHz, 15 MHz Bandwidth, 256-QAM Modulation, High Channel 1987.5 MHz |                           |                                  |                                       |                         |         |  |
|------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                           | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 48.984                                                                                               | 0                         | No Provided                      | 49.0                                  | 62.15                   | N/A     |  |

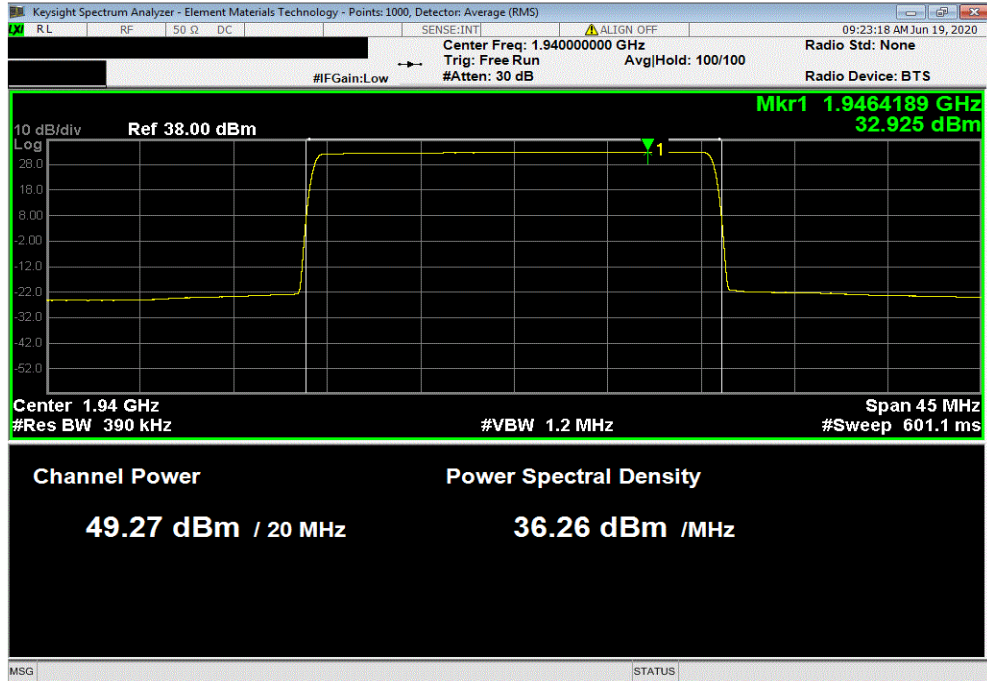


# OUTPUT POWER - BAND n25

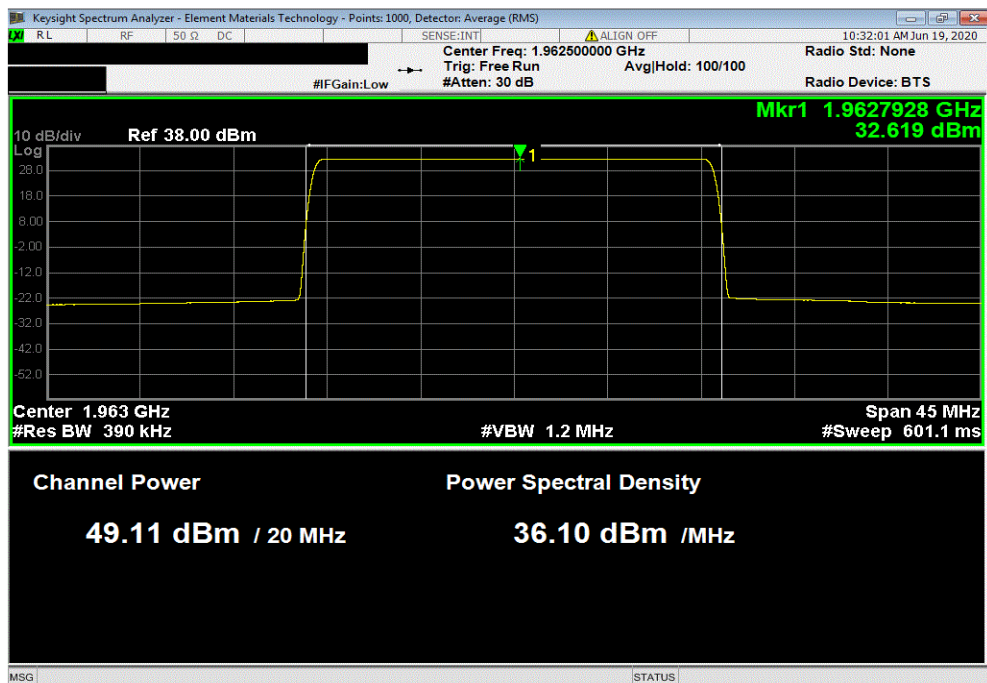


TSTx 2020.06.08.0 BETA XMI 2020.03.25.0

| Port 4, Band n25, 1930 MHz - 1995 MHz , 20 MHz Bandwidth, QPSK Modulation, Low Channel 1940 MHz |                           |                                  |                                       |                         |         |  |
|-------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                      | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.27                                                                                           | 0                         | No Provided                      | 49.3                                  | 62.15                   | N/A     |  |



| Port 4, Band n25, 1930 MHz - 1995 MHz , 20 MHz Bandwidth, QPSK Modulation, Mid Channel 1962.5 MHz |                           |                                  |                                       |                         |         |  |
|---------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                        | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.111                                                                                            | 0                         | No Provided                      | 49.1                                  | 62.15                   | N/A     |  |

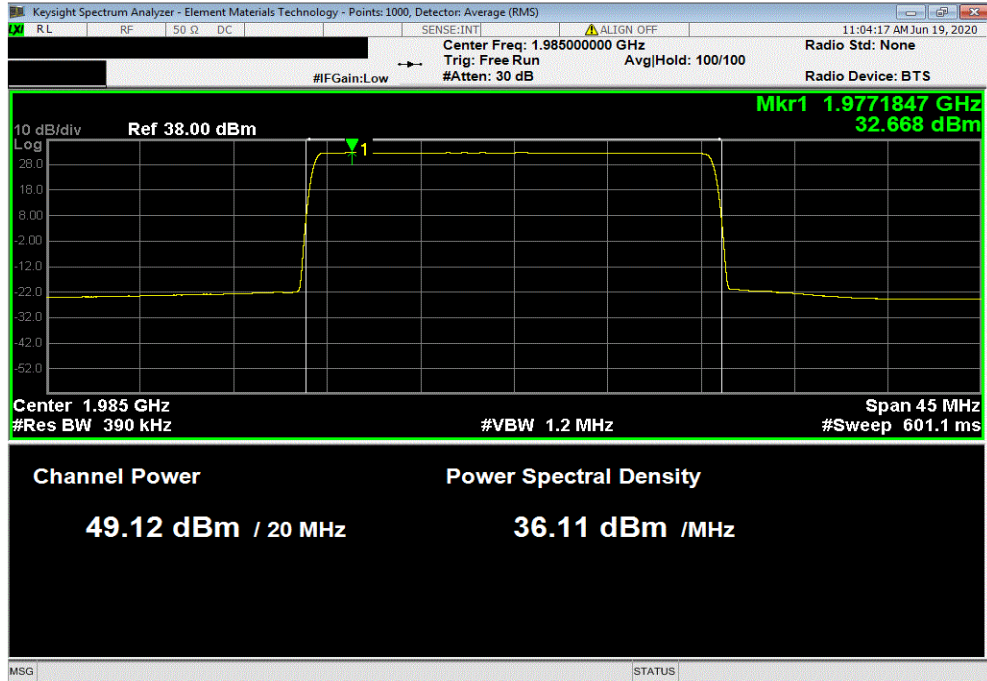


# OUTPUT POWER - BAND n25

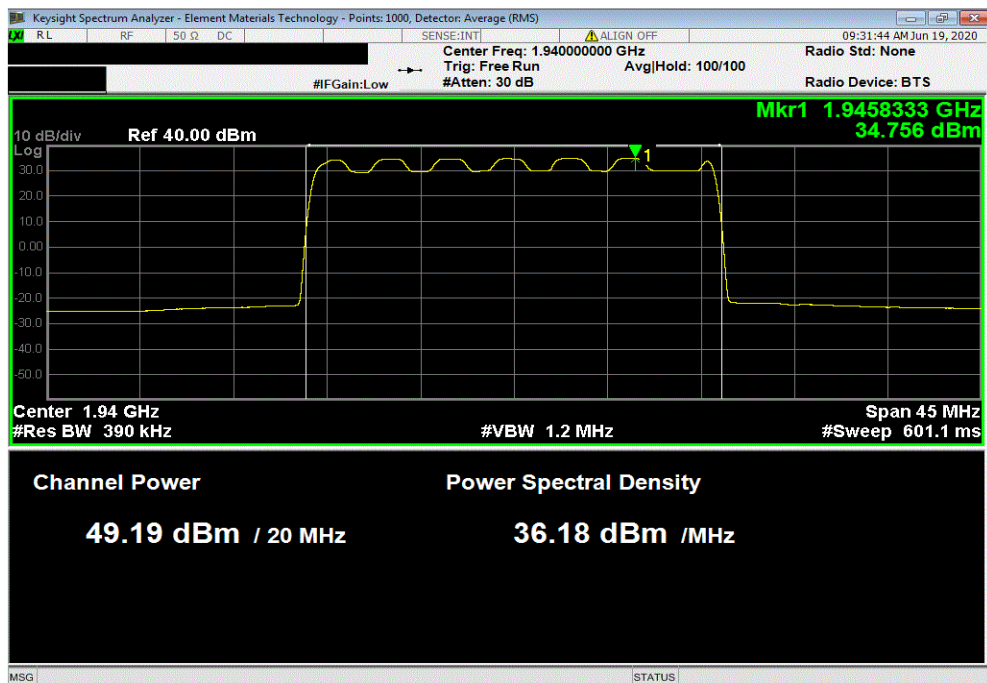


TSTx 2020.06.08.0 BETA XMI 2020.03.25.0

| Port 4, Band n25, 1930 MHz - 1995 MHz, 20 MHz Bandwidth, QPSK Modulation, High Channel 1985 MHz |                           |                                  |                                       |                         |         |  |
|-------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                      | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.122                                                                                          | 0                         | No Provided                      | 49.1                                  | 62.15                   | N/A     |  |



| Port 4, Band n25, 1930 MHz - 1995 MHz, 20 MHz Bandwidth, 16-QAM Modulation, Low Channel 1940 MHz |                           |                                  |                                       |                         |         |  |
|--------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                       | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.186                                                                                           | 0                         | No Provided                      | 49.2                                  | 62.15                   | N/A     |  |

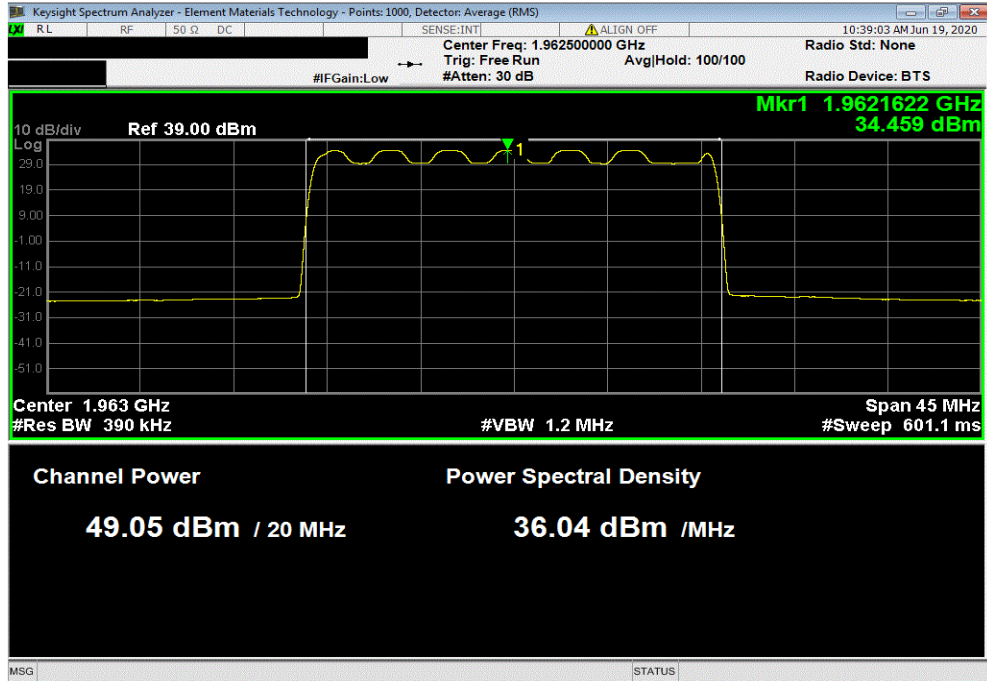


# OUTPUT POWER - BAND n25

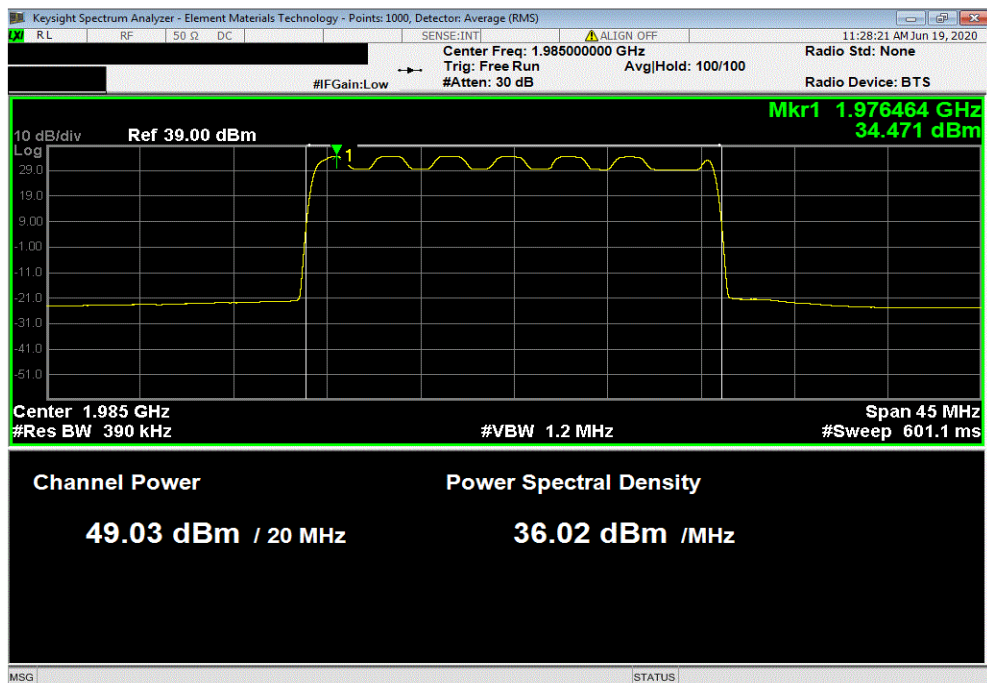


TSTx 2020.06.08.0 BETA XMI 2020.03.25.0

| Port 4, Band n25, 1930 MHz - 1995 MHz, 20 MHz Bandwidth, 16-QAM Modulation, Mid Channel 1962.5 MHz |                           |                                  |                                       |                         |         |  |
|----------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                         | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.051                                                                                             | 0                         | No Provided                      | 49.1                                  | 62.15                   | N/A     |  |



| Port 4, Band n25, 1930 MHz - 1995 MHz, 20 MHz Bandwidth, 16-QAM Modulation, High Channel 1985 MHz |                           |                                  |                                       |                         |         |  |
|---------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                        | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.025                                                                                            | 0                         | No Provided                      | 49.0                                  | 62.15                   | N/A     |  |

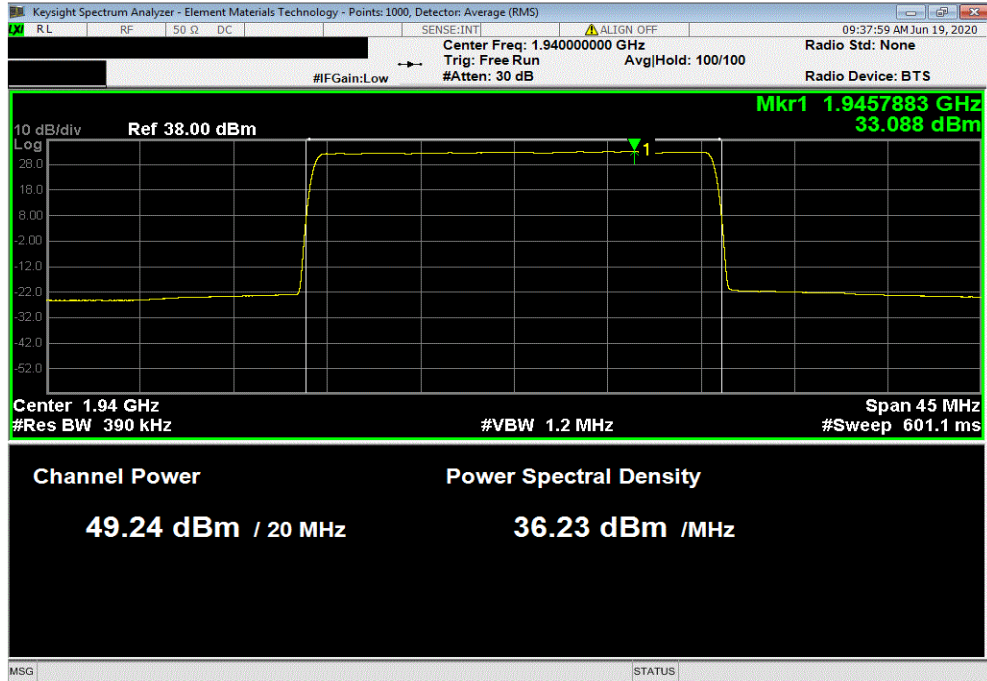


# OUTPUT POWER - BAND n25

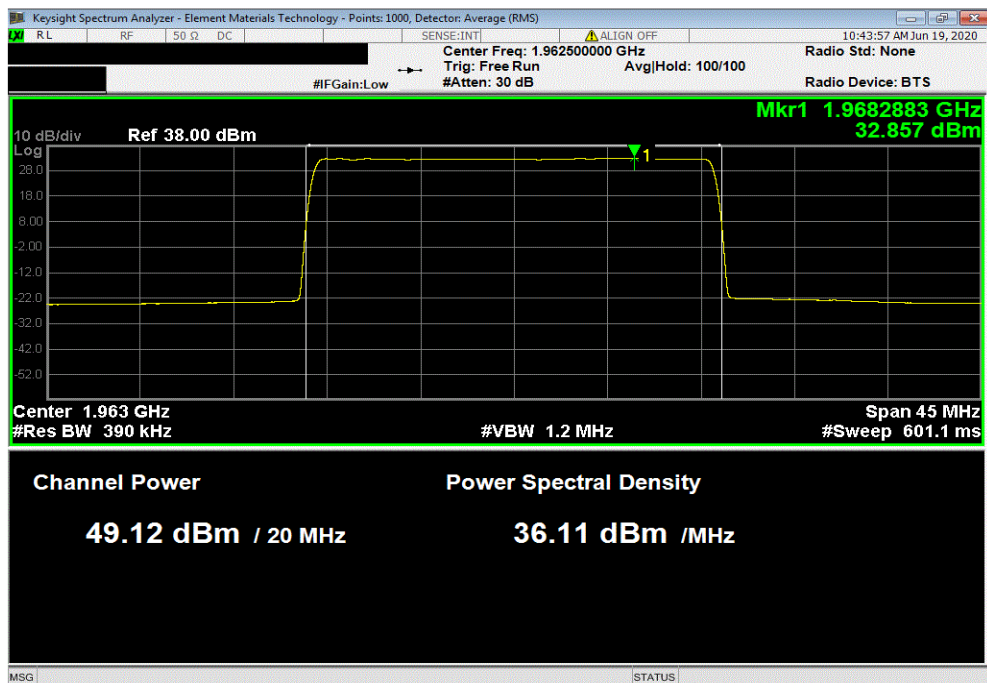


TSTx 2020.06.08.0 BETA XMI 2020.03.25.0

| Port 4, Band n25, 1930 MHz - 1995 MHz , 20 MHz Bandwidth, 64-QAM Modulation, Low Channel 1940 MHz |                           |                                  |                                       |                         |         |  |
|---------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                        | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.244                                                                                            | 0                         | No Provided                      | 49.2                                  | 62.15                   | N/A     |  |



| Port 4, Band n25, 1930 MHz - 1995 MHz , 20 MHz Bandwidth, 64-QAM Modulation, Mid Channel 1962.5 MHz |                           |                                  |                                       |                         |         |  |
|-----------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                          | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.119                                                                                              | 0                         | No Provided                      | 49.1                                  | 62.15                   | N/A     |  |

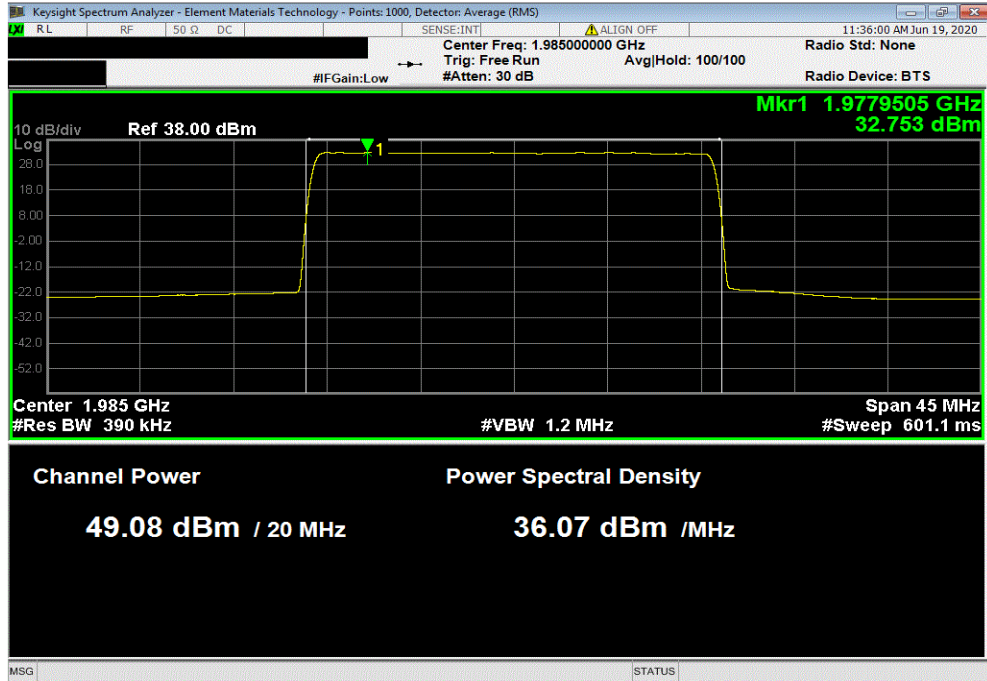


# OUTPUT POWER - BAND n25

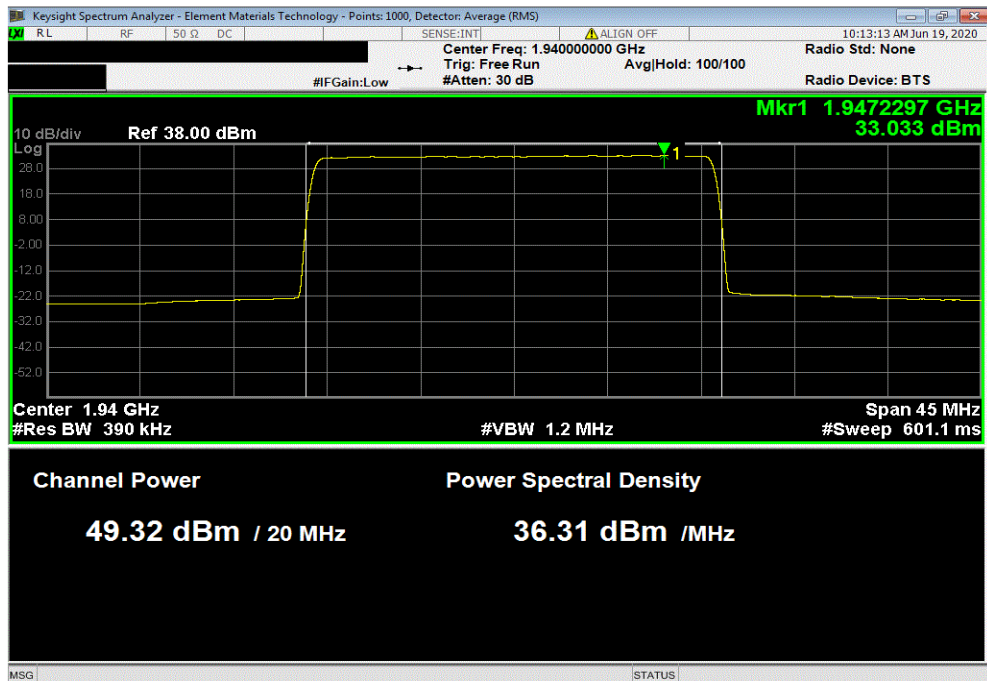


TSTx 2020.06.08.0 BETA XMI 2020.03.25.0

| Port 4, Band n25, 1930 MHz - 1995 MHz, 20 MHz Bandwidth, 64-QAM Modulation, High Channel 1985 MHz |                           |                                  |                                       |                         |         |  |
|---------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                        | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.076                                                                                            | 0                         | No Provided                      | 49.1                                  | 62.15                   | N/A     |  |



| Port 4, Band n25, 1930 MHz - 1995 MHz, 20 MHz Bandwidth, 256-QAM Modulation, Low Channel 1940 MHz |                           |                                  |                                       |                         |         |  |
|---------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                        | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.317                                                                                            | 0                         | No Provided                      | 49.3                                  | 62.15                   | N/A     |  |

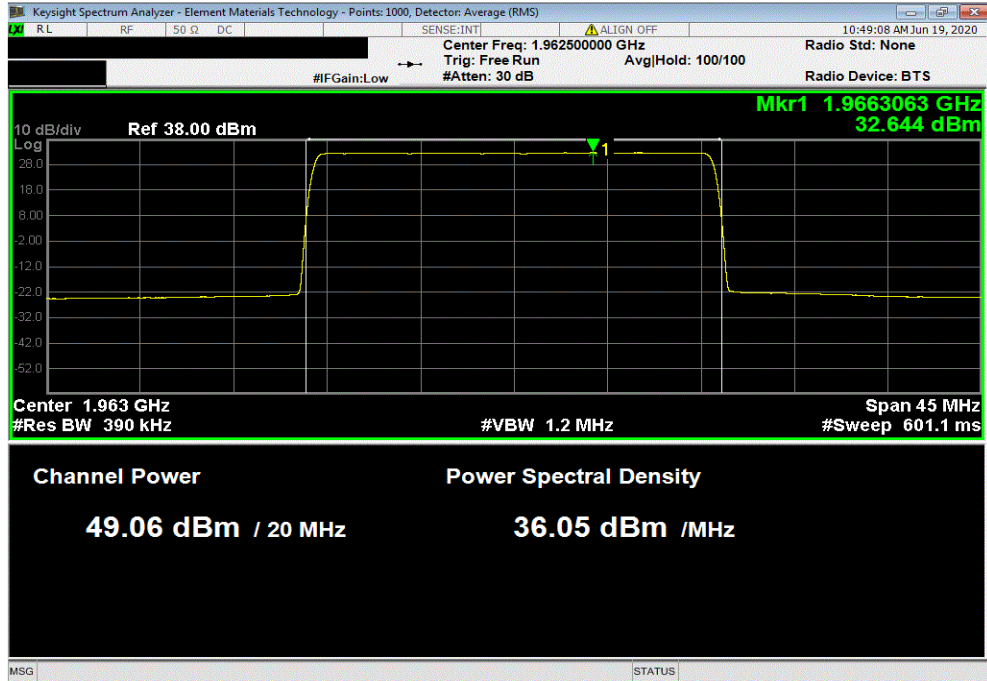


# OUTPUT POWER - BAND n25



TSTx 2020.06.08.0 BETA XMI 2020.03.25.0

| Port 4, Band n25, 1930 MHz - 1995 MHz, 20 MHz Bandwidth, 256-QAM Modulation, Mid Channel 1962.5 MHz |                           |                                  |                                       |                         |         |  |
|-----------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                          | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.057                                                                                              | 0                         | No Provided                      | 49.1                                  | 62.15                   | N/A     |  |



| Port 4, Band n25, 1930 MHz - 1995 MHz, 20 MHz Bandwidth, 256-QAM Modulation, High Channel 1985 MHz |                           |                                  |                                       |                         |         |  |
|----------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------|-------------------------|---------|--|
| Initial Power<br>(dBm/OBW)                                                                         | Duty Cycle<br>Factor (dB) | Antenna Gain<br>(dBd)+2.15=(dBi) | Final w/o Ant Gain<br>Value (dBm/OBW) | EIRP Limit<br>(dBm/OBW) | Results |  |
| 49.087                                                                                             | 0                         | No Provided                      | 49.1                                  | 62.15                   | N/A     |  |

