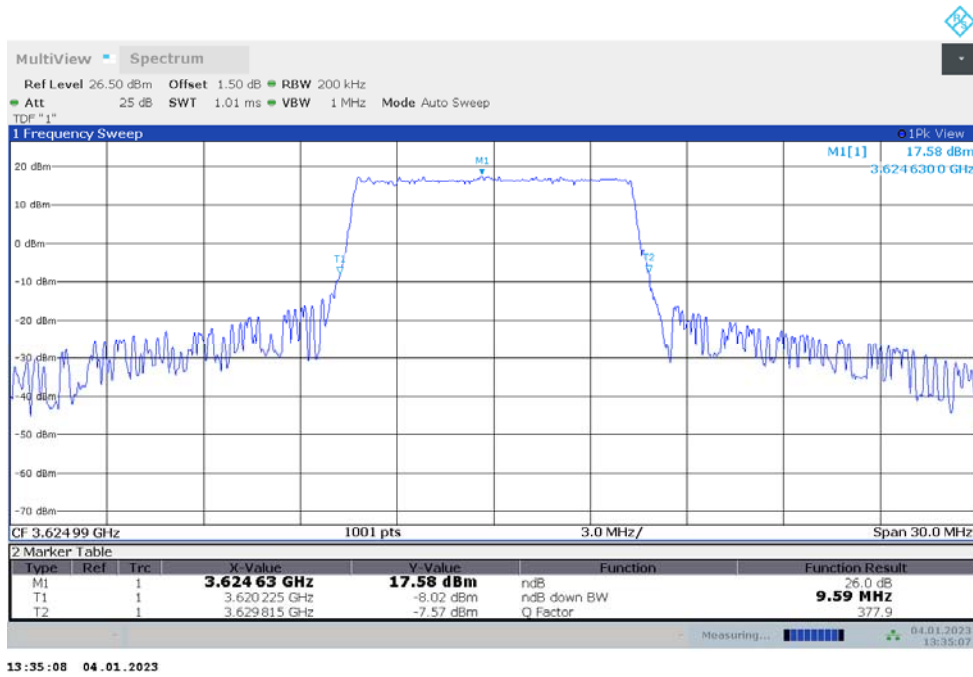


n48

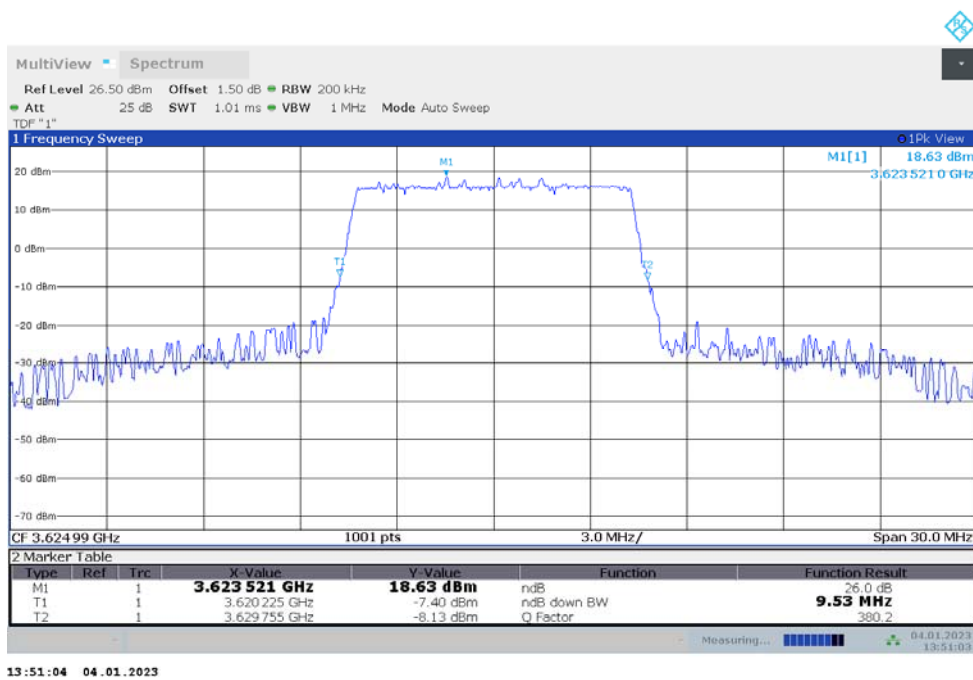
n48,10MHz(-26dBc)

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3624.99         | 9.590                             | 9.530      |

n48,10MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n48,10MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

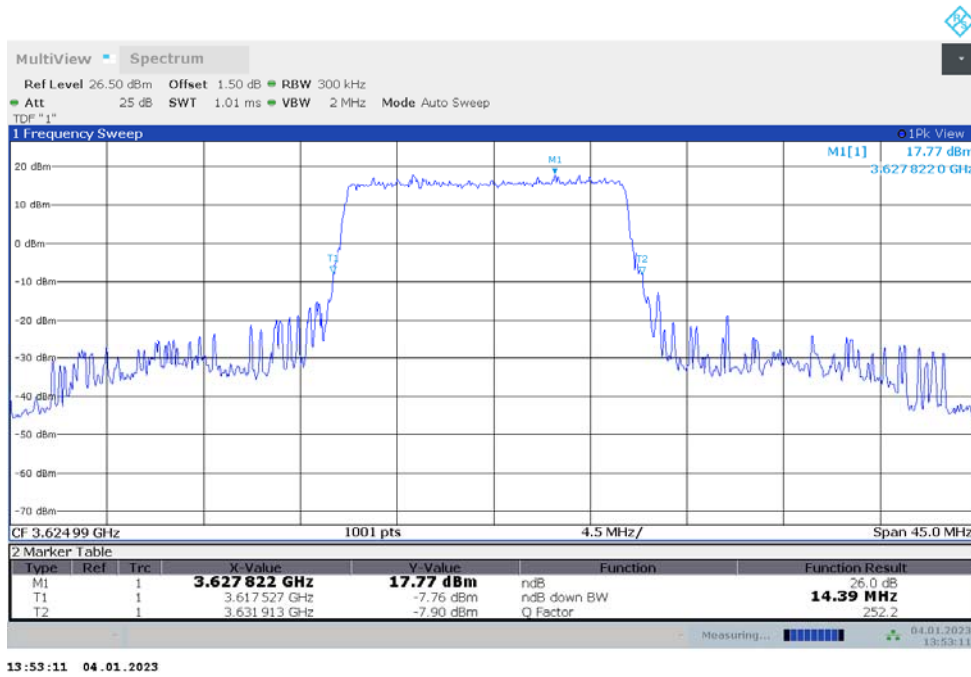


n48

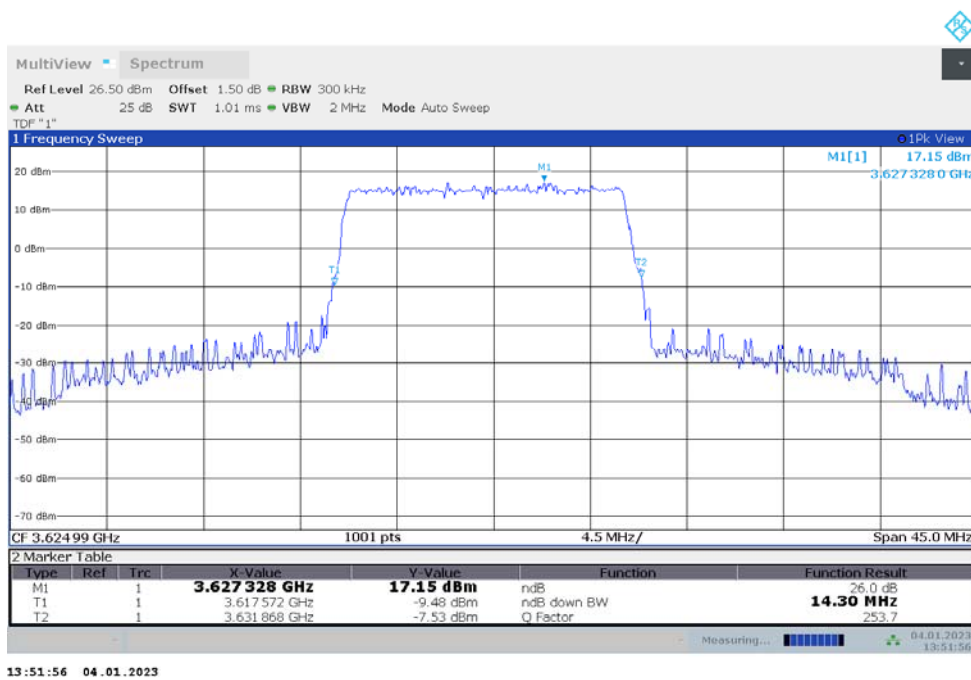
n48,15MHz(-26dBc)

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3624.99         | 14.386                            | 14.296     |

n48,15MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n48,15MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

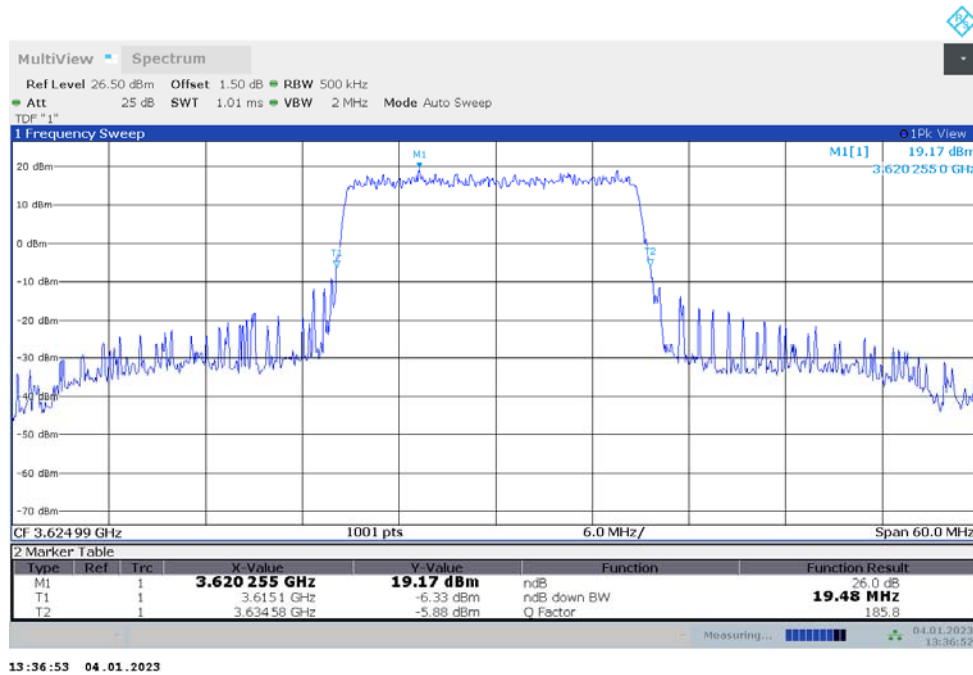


n48

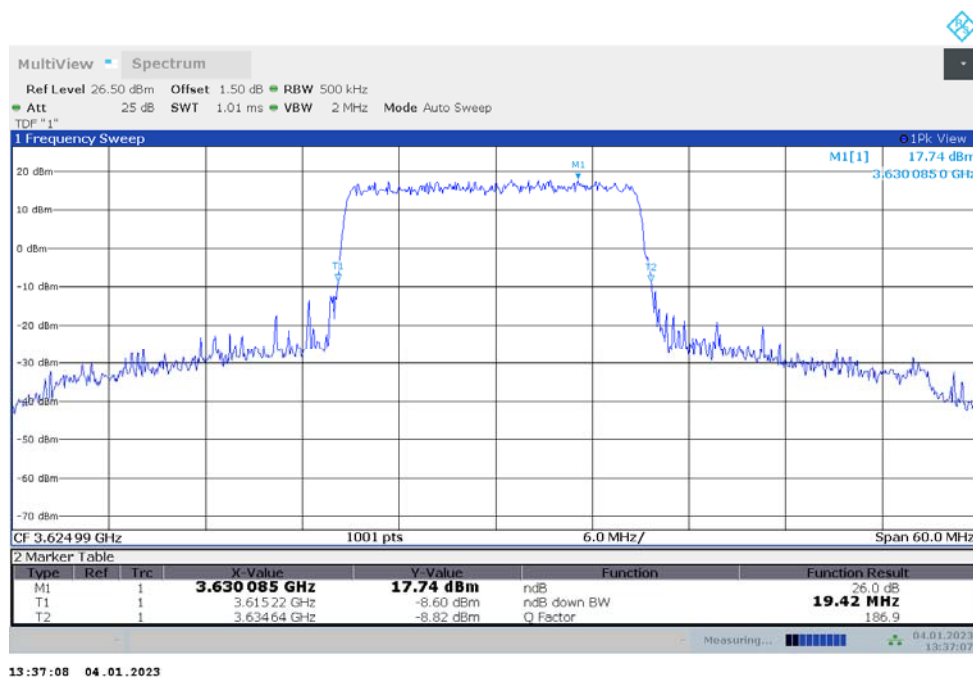
n48,20MHz(-26dBc)

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3624.99         | 19.481                            | 19.421     |

n48,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n48,20MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

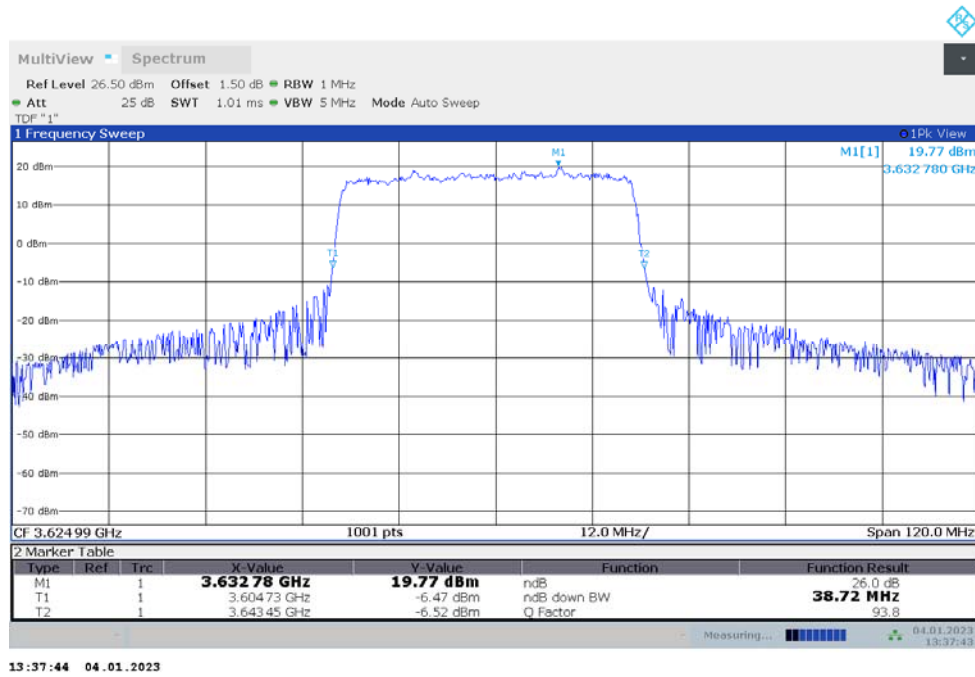


n48

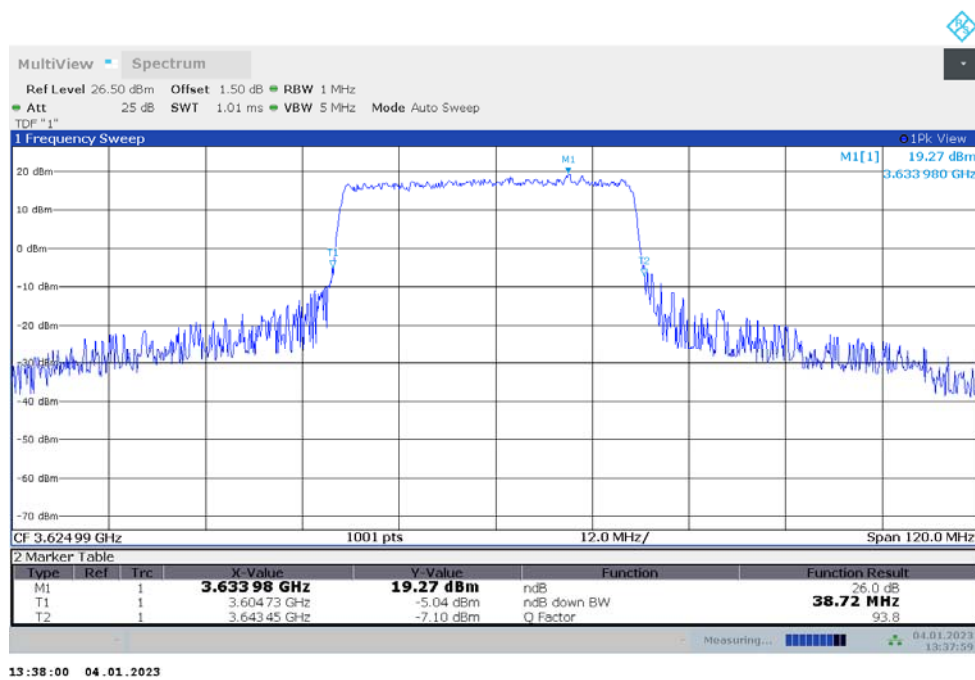
n48,40MHz(-26dBc)

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3624.99         | 38.720                            | 38.720     |

n48,40MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n48,40MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

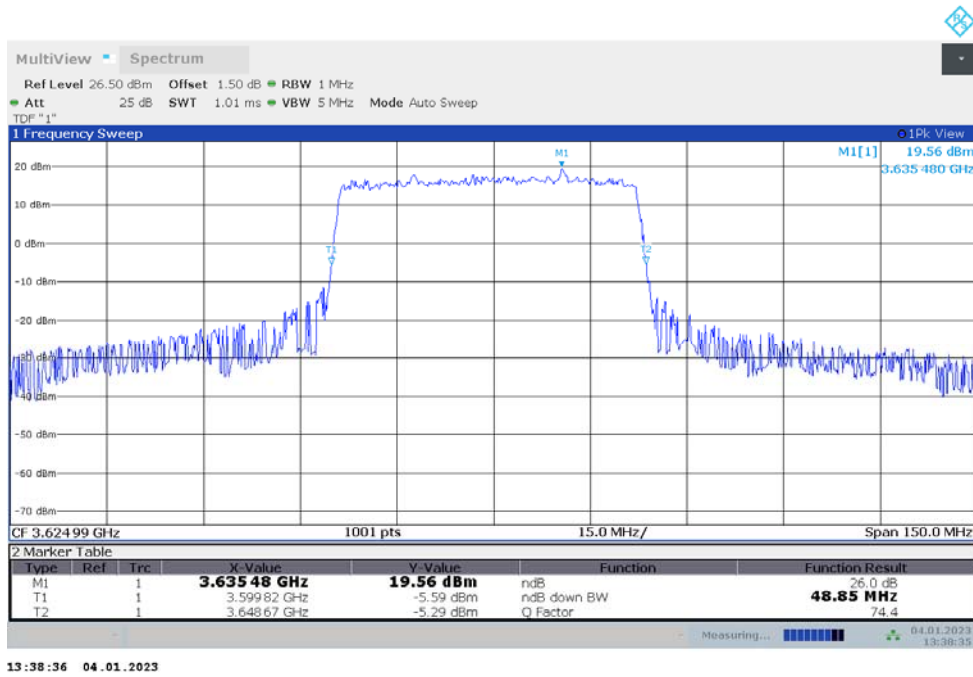


n48

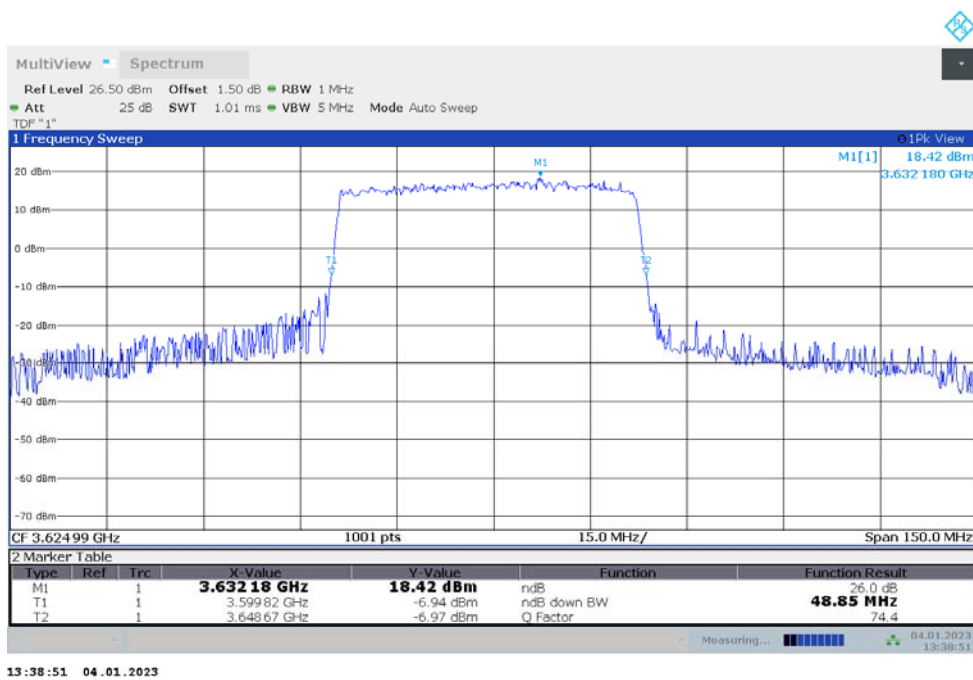
n48,50MHz(-26dBc)

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3624.99         | 48.850                            | 48.850     |

n48,50MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n48,50MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

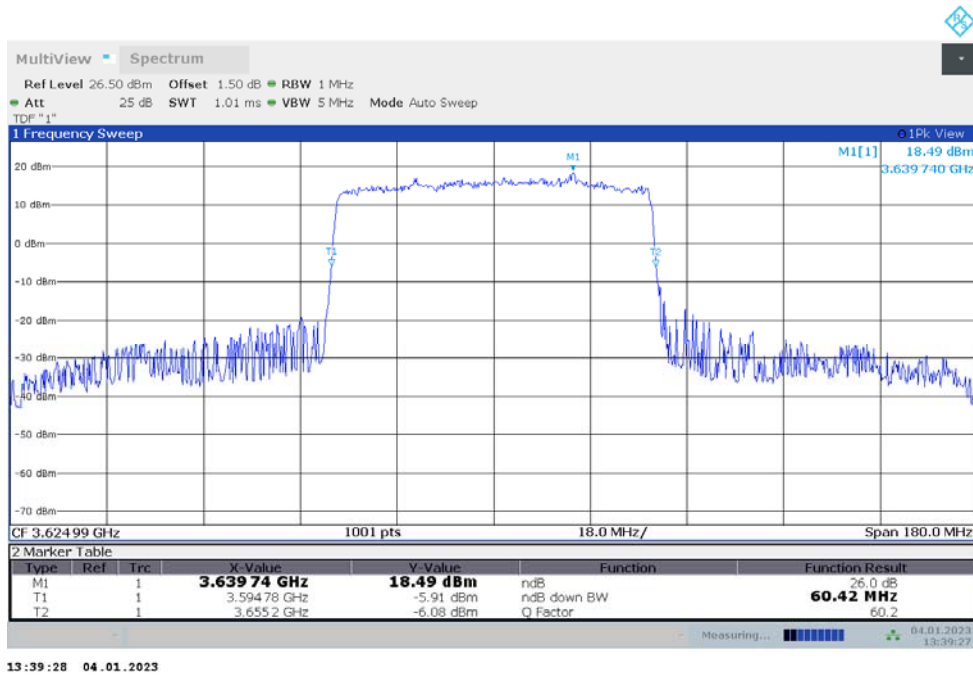


n48

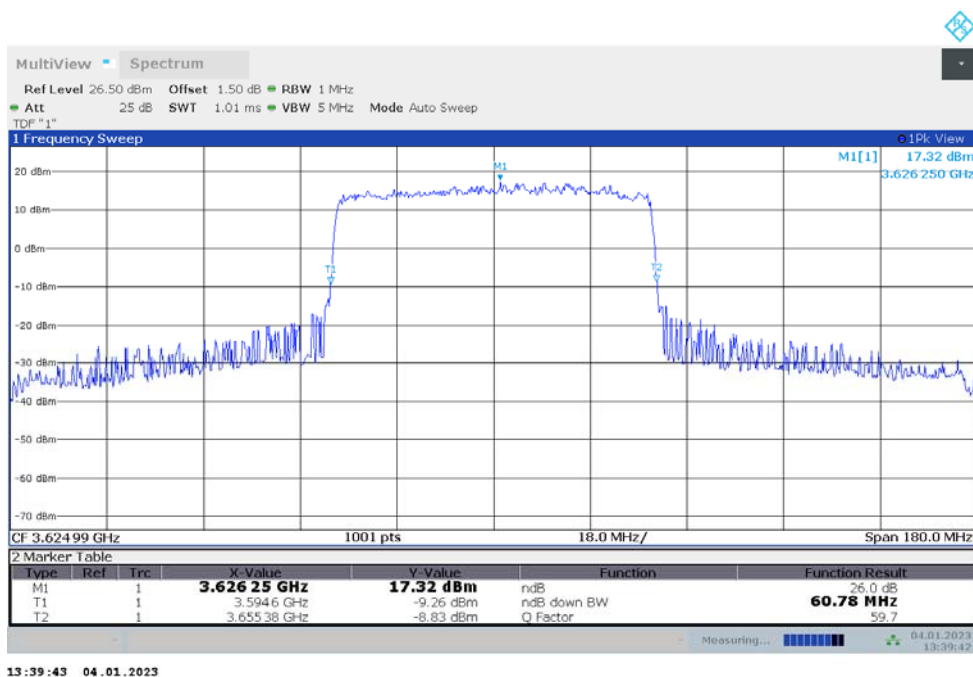
n48,60MHz(-26dBc)

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3624.99         | 60.420                            | 60.780     |

n48,60MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n48,60MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

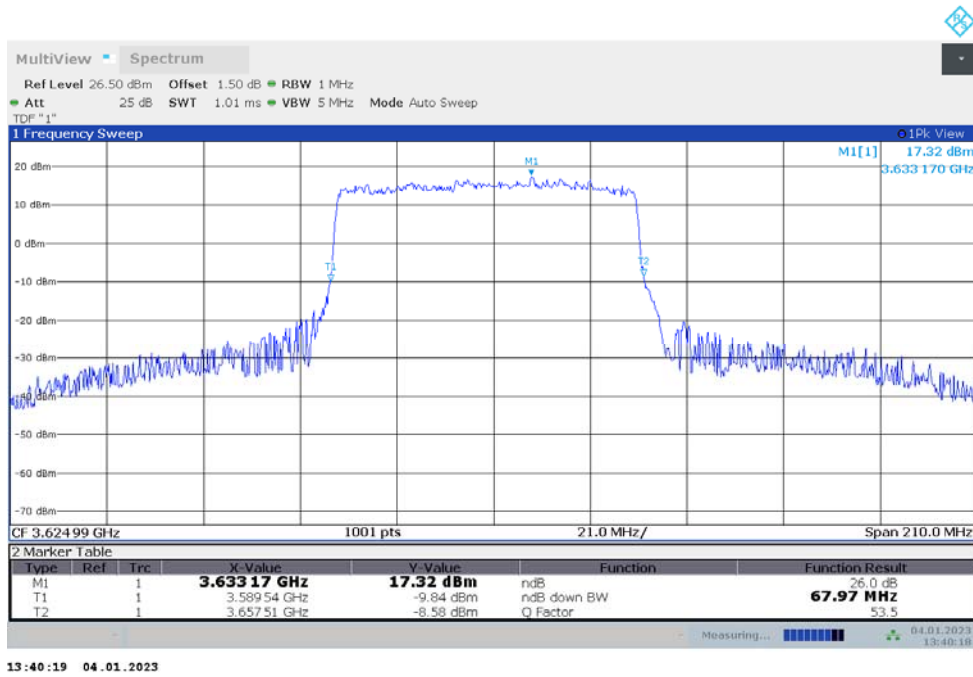


n48

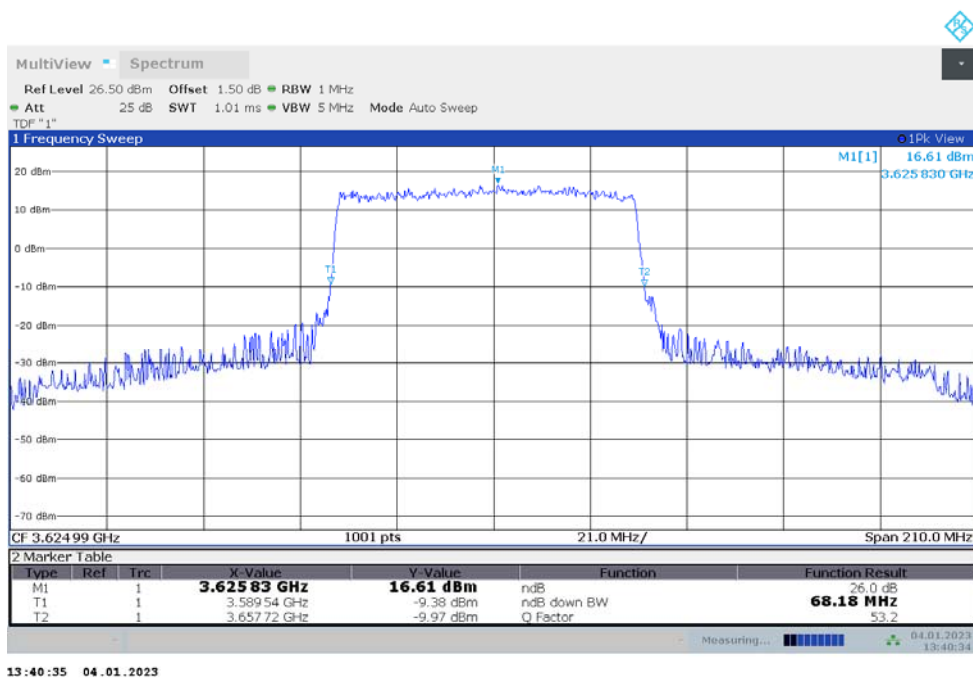
n48,70MHz(-26dBc)

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3624.99         | 67.970                            | 68.180     |

n48,70MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n48,70MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

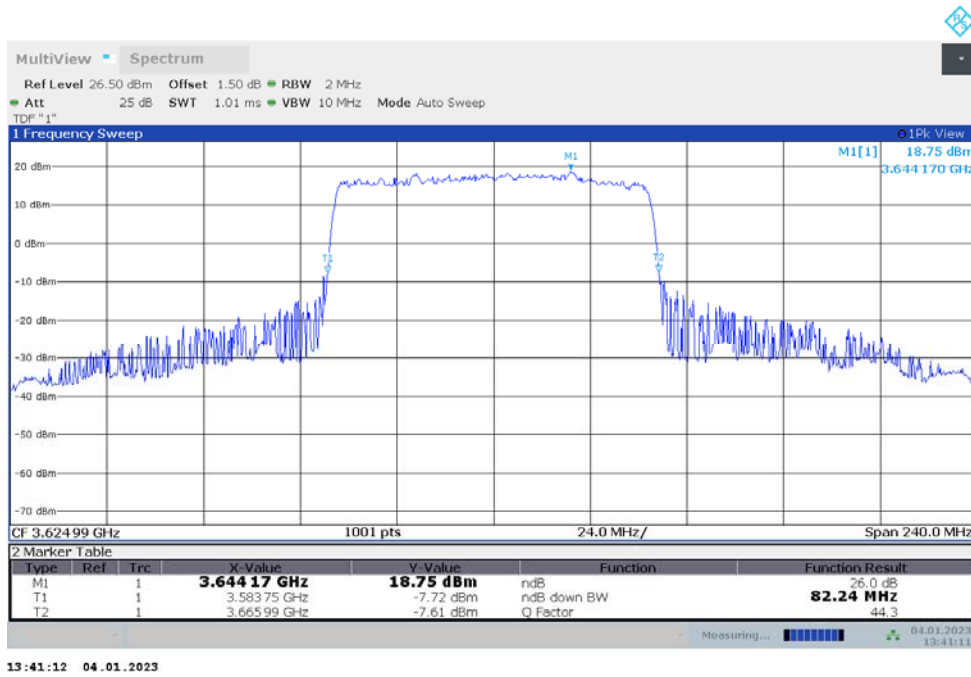


n48

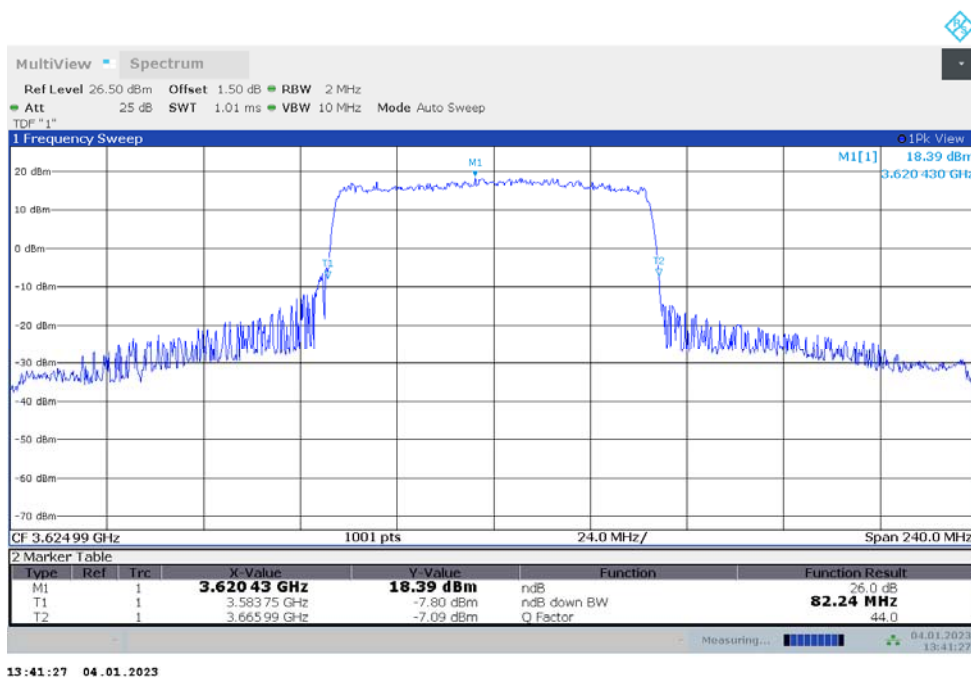
n48,80MHz(-26dBc)

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3624.99         | 82.240                            | 82.240     |

n48,80MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n48,80MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



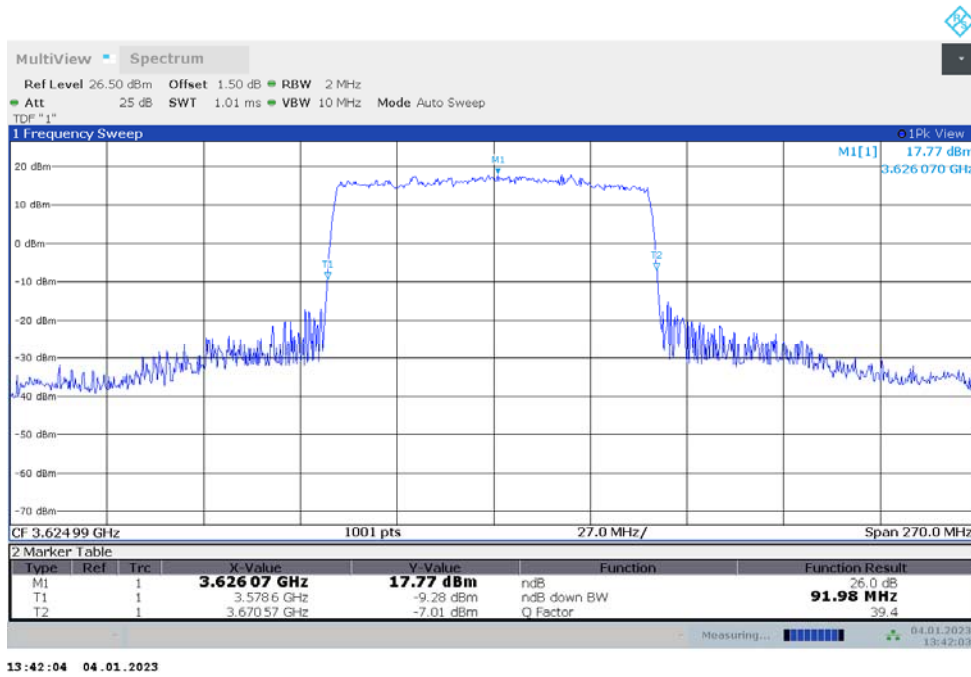


n48

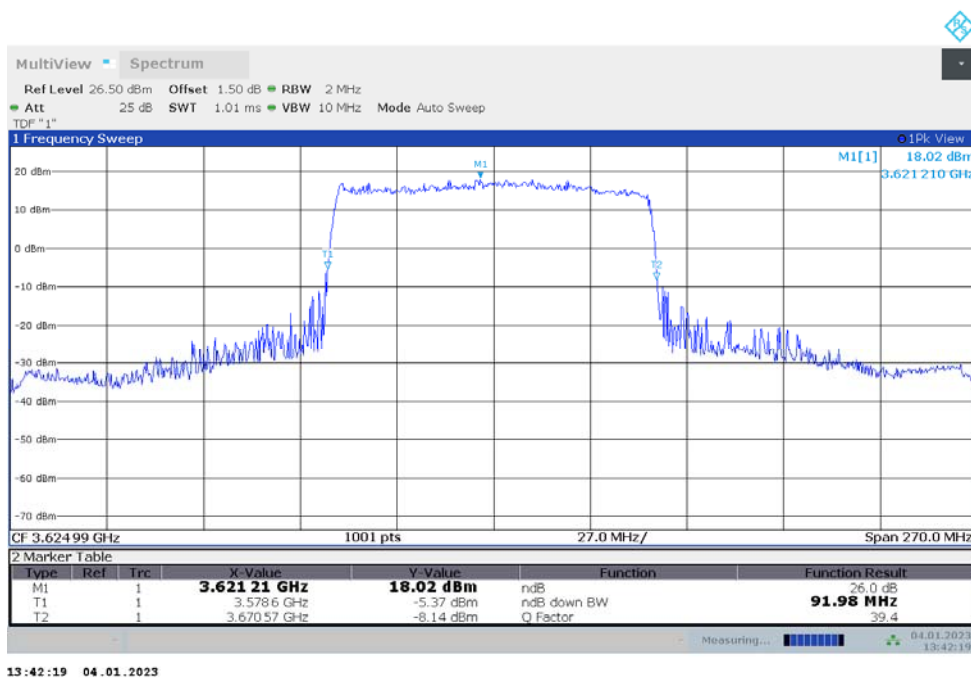
n48,90MHz(-26dBc)

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3624.99         | 91.980                            | 91.980     |

n48,90MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n48,90MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

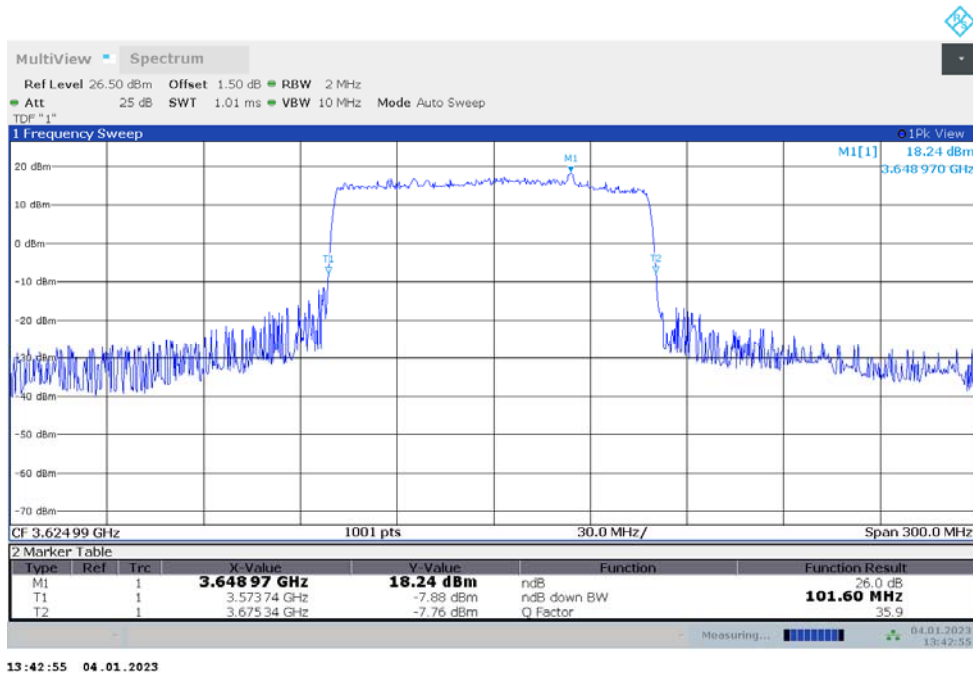


n48

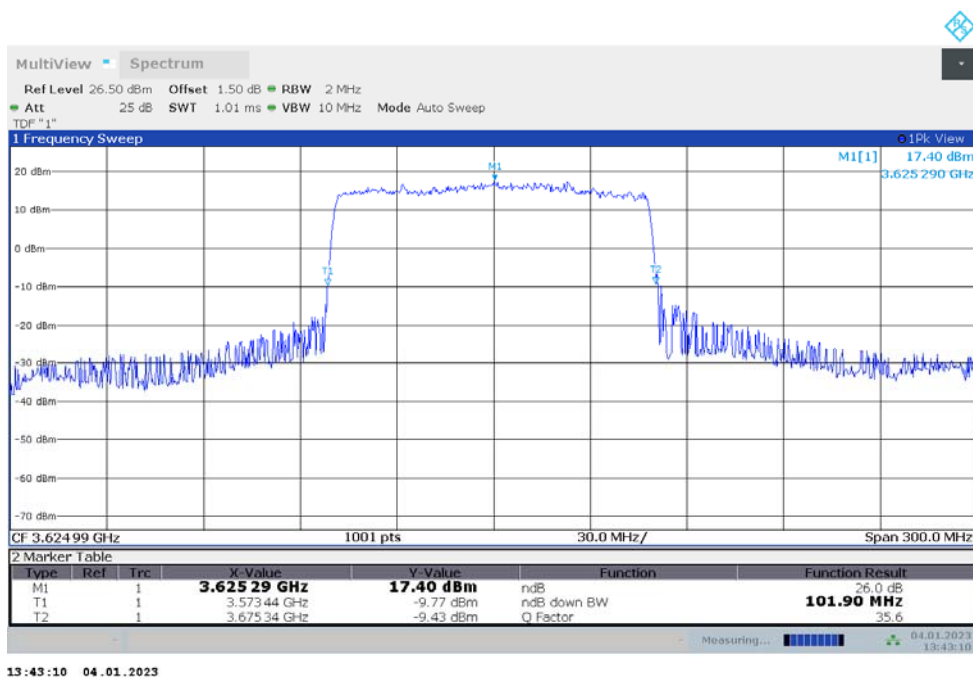
n48,100MHz(-26dBc)

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3624.99         | 101.600                           | 101.900    |

n48,100MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



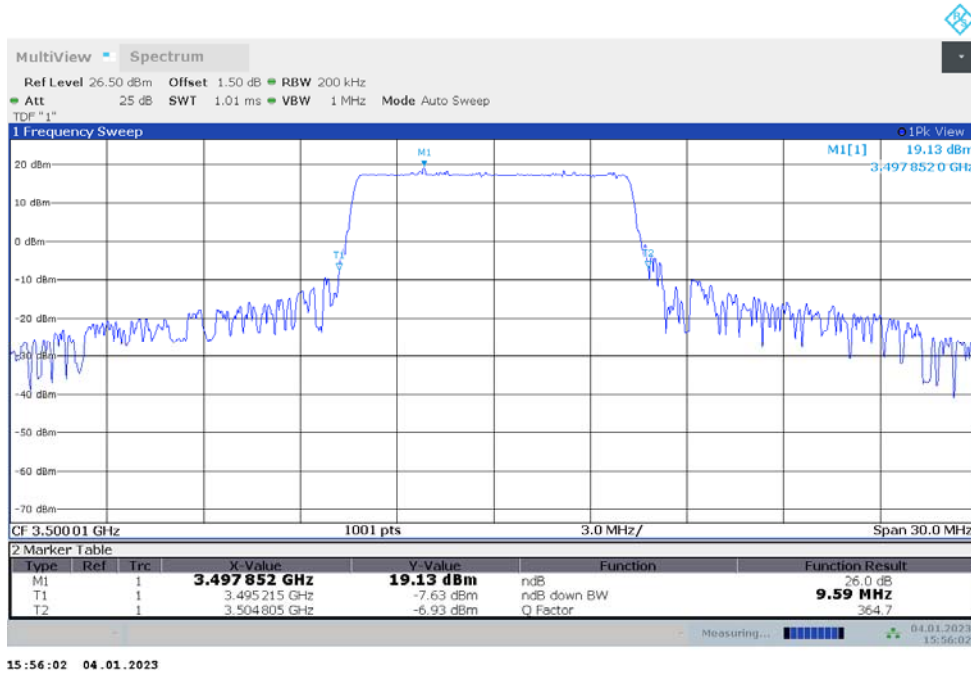
n48,100MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



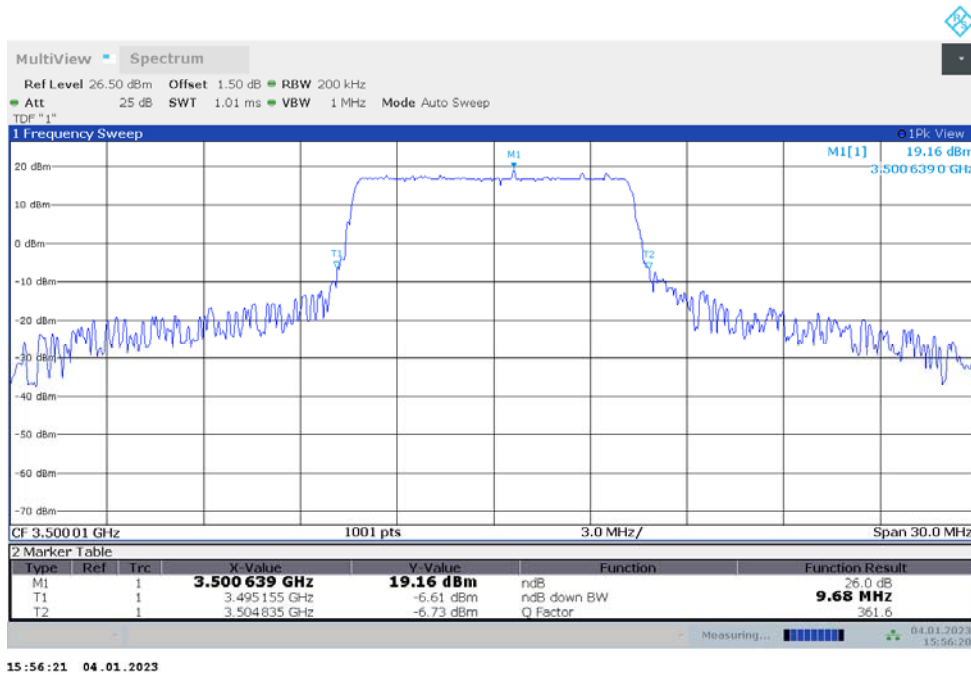
**LTE Band 66+NR n77L**  
**n77L,10MHz(-26dBc)**

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3500.01         | 9.590                             | 9.680      |

**n77L,10MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)**



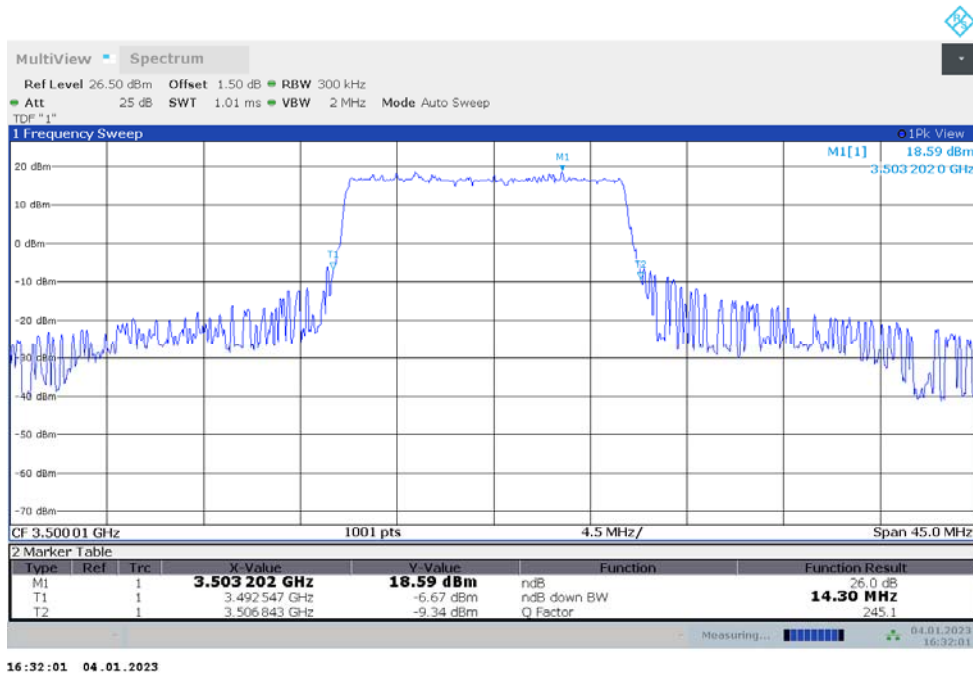
**n77L,10MHz Bandwidth,DFT-s-QPSK (-26dBc BW)**



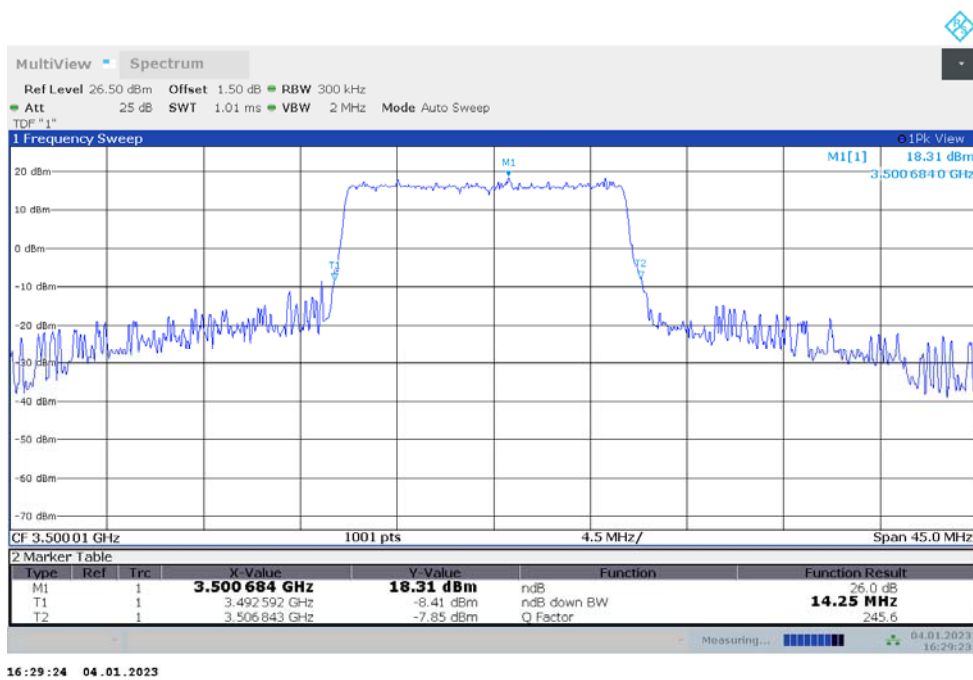
**LTE Band 66+NR n77L**  
**n77L,15MHz(-26dBc)**

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3500.01         | 14.296                            | 14.251     |

**n77L,15MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)**



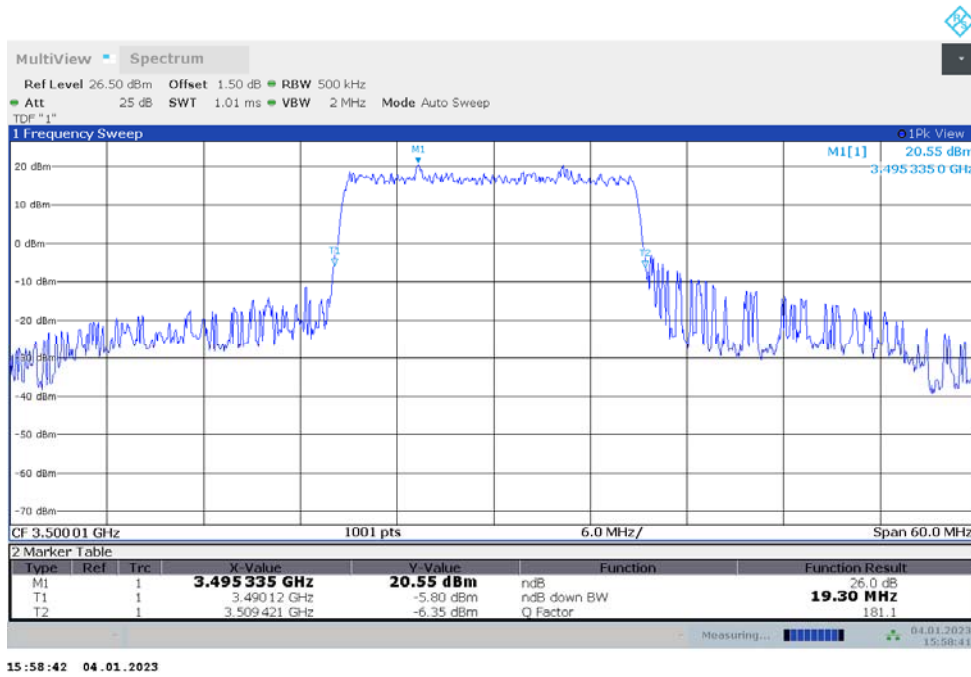
**n77L,15MHz Bandwidth,DFT-s-QPSK (-26dBc BW)**



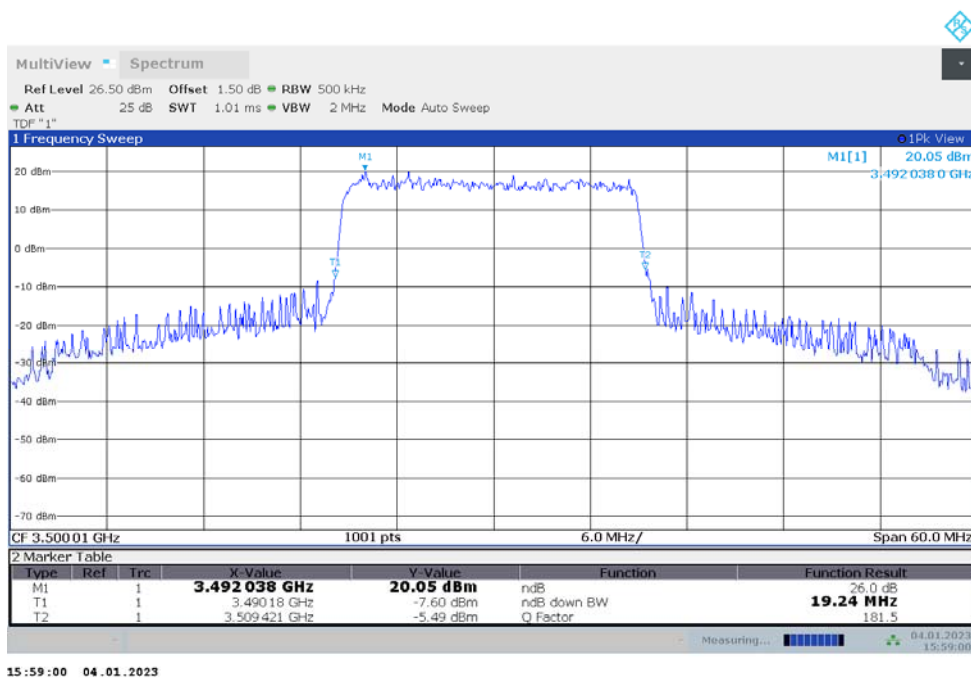
**LTE Band 66+NR n77L**  
**n77L,20MHz(-26dBc)**

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3500.01         | 19.301                            | 19.241     |

**n77L,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)**



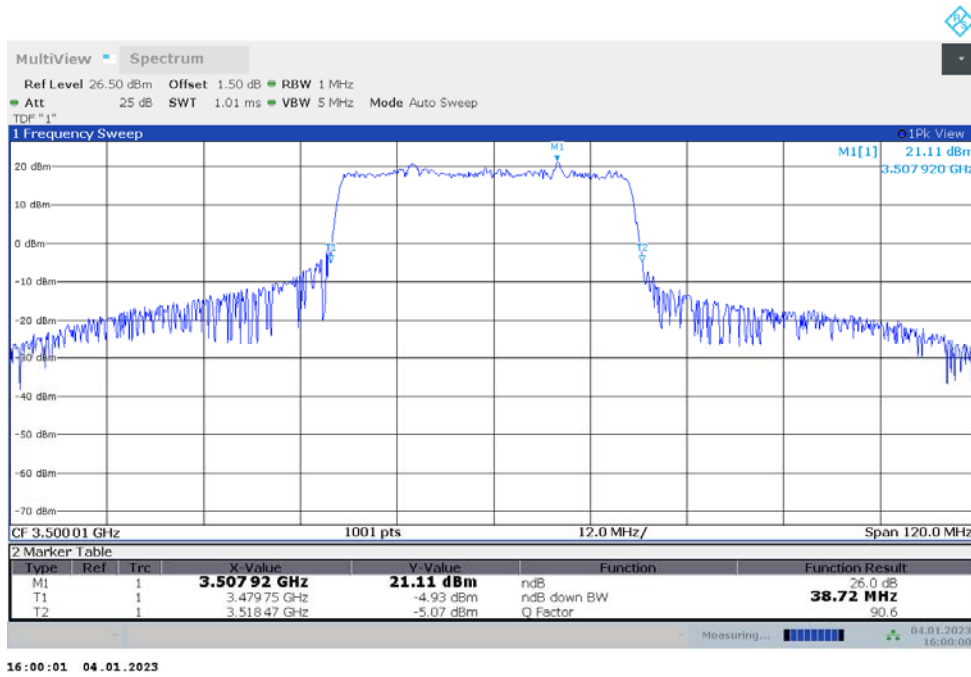
**n77L,20MHz Bandwidth,DFT-s-QPSK (-26dBc BW)**



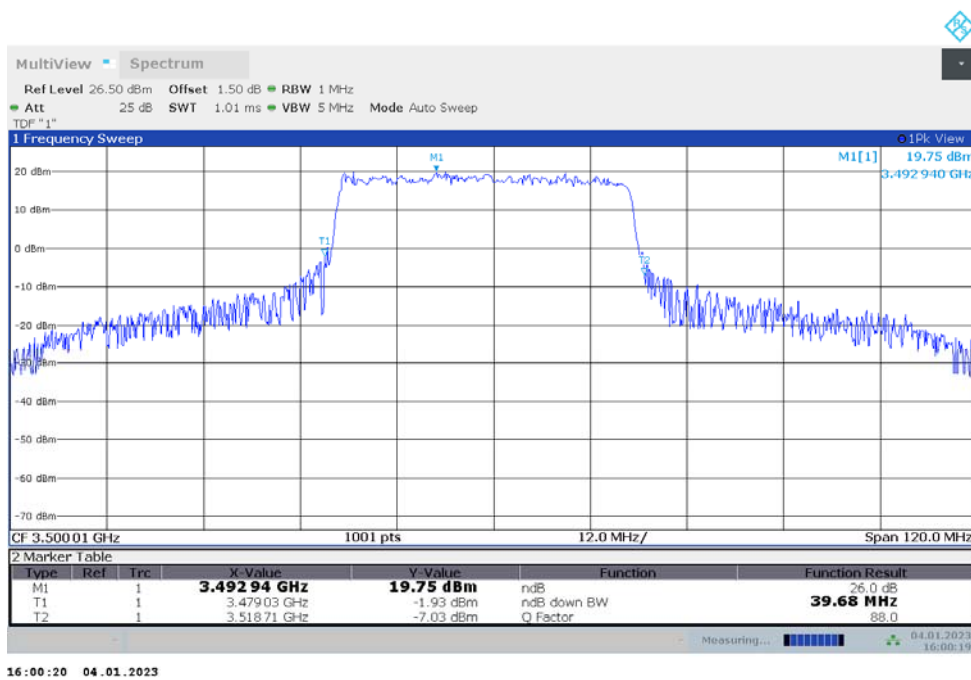
**LTE Band 66+NR n77L**  
**n77L,40MHz(-26dBc)**

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3500.01         | 38.720                            | 39.680     |

**n77L,40MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)**



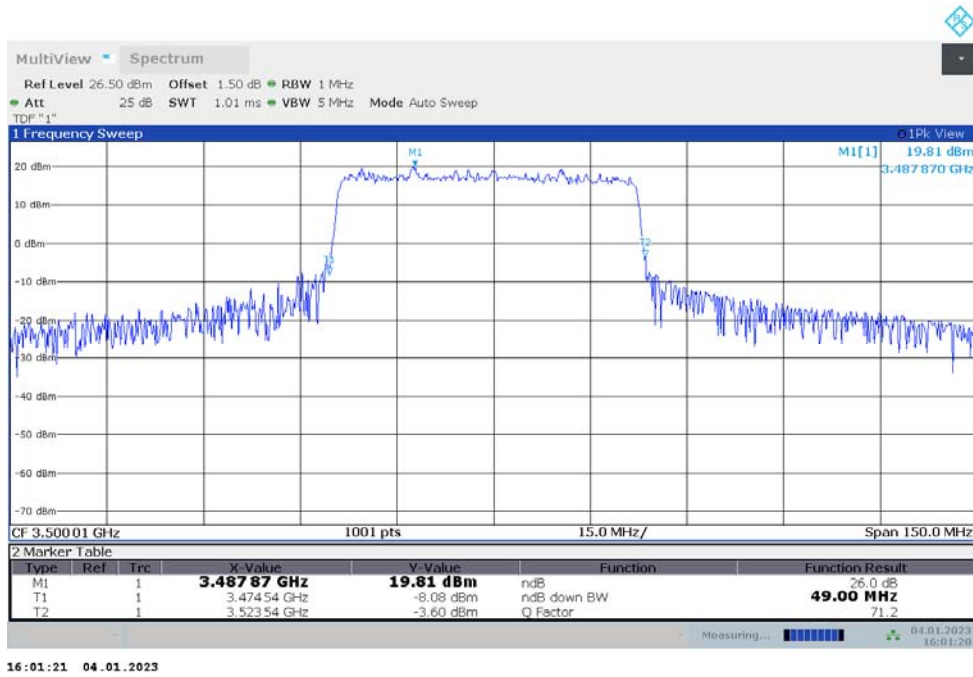
**n77L,40MHz Bandwidth,DFT-s-QPSK (-26dBc BW)**



**LTE Band 66+NR n77L**  
**n77L,50MHz(-26dBc)**

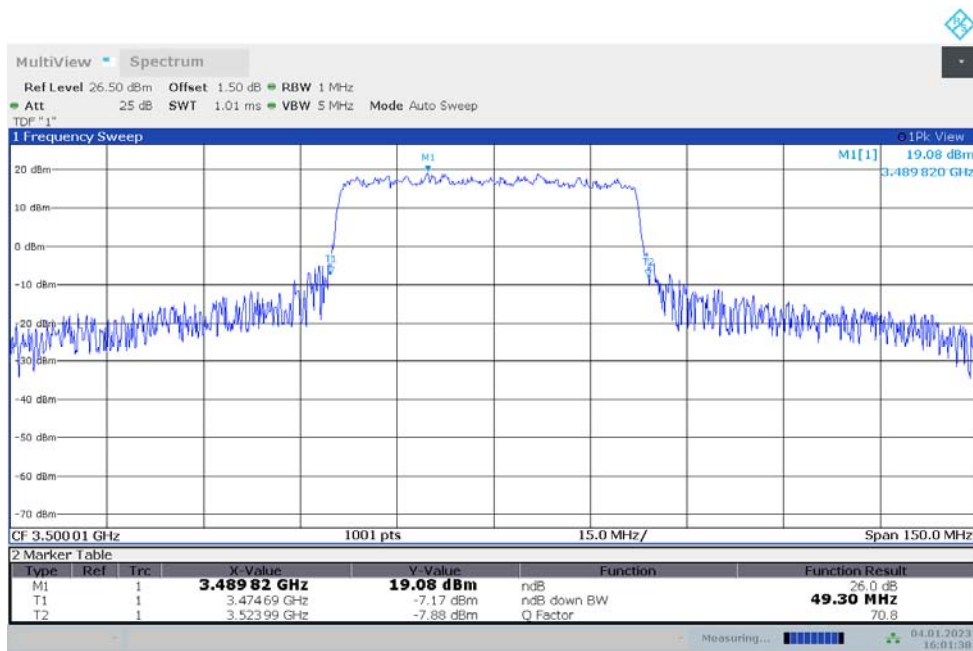
| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3500.01         | 49.000                            | 49.300     |

**n77L,50MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)**



16:01:21 04.01.2023

**n77L,50MHz Bandwidth,DFT-s-QPSK (-26dBc BW)**

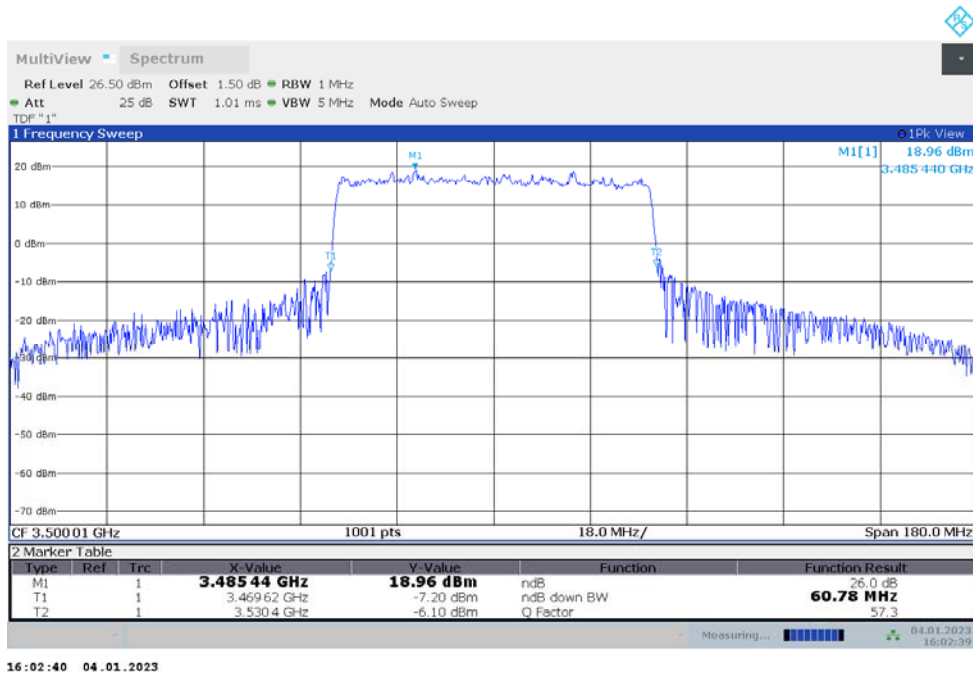


16:01:39 04.01.2023

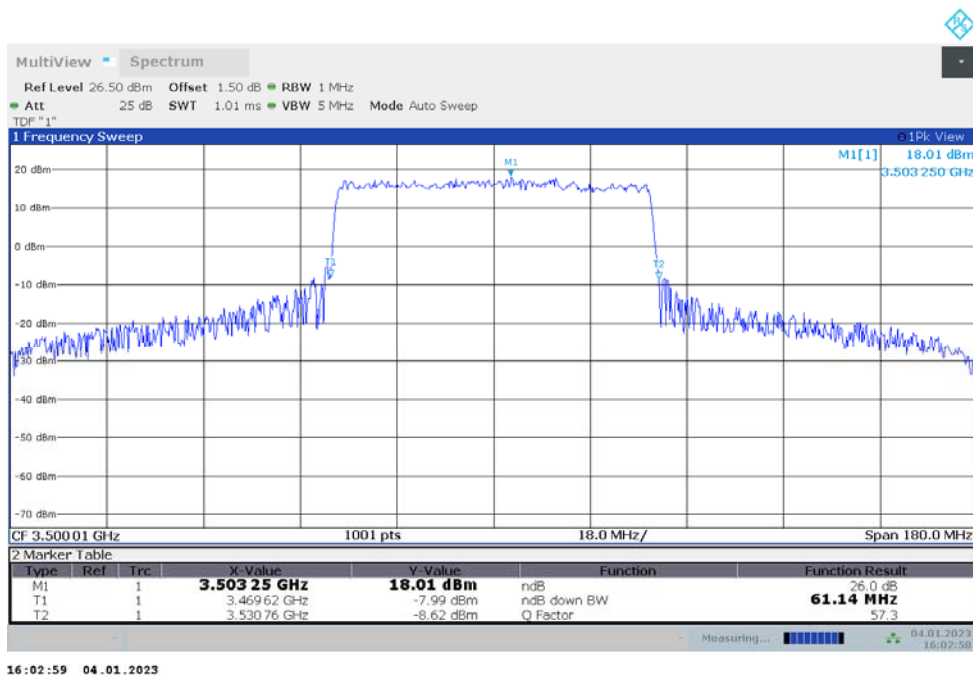
**LTE Band 66+NR n77L**  
**n77L,60MHz(-26dBc)**

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3500.01         | 60.780                            | 61.140     |

**n77L,60MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)**



**n77L,60MHz Bandwidth,DFT-s-QPSK (-26dBc BW)**

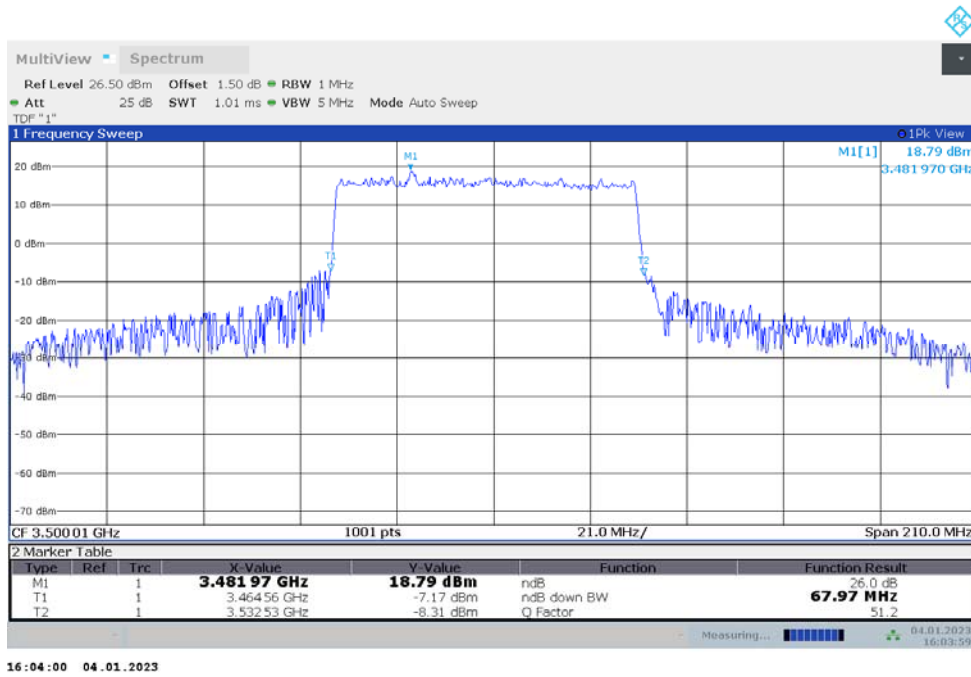




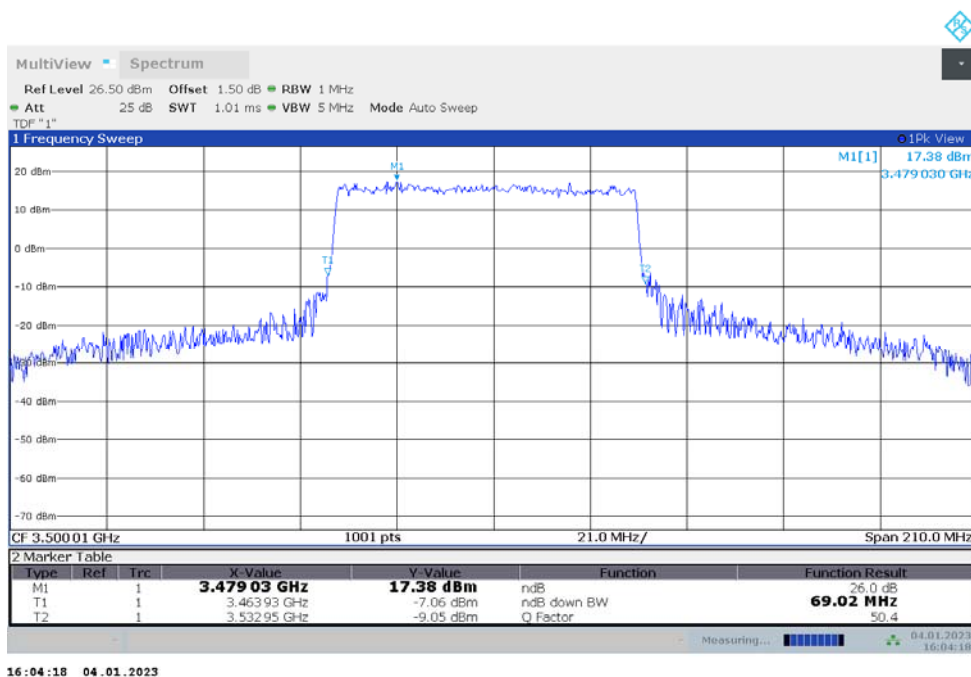
**LTE Band 66+NR n77L**  
**n77L,70MHz(-26dBc)**

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3500.01         | 67.970                            | 69.020     |

**n77L,70MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)**



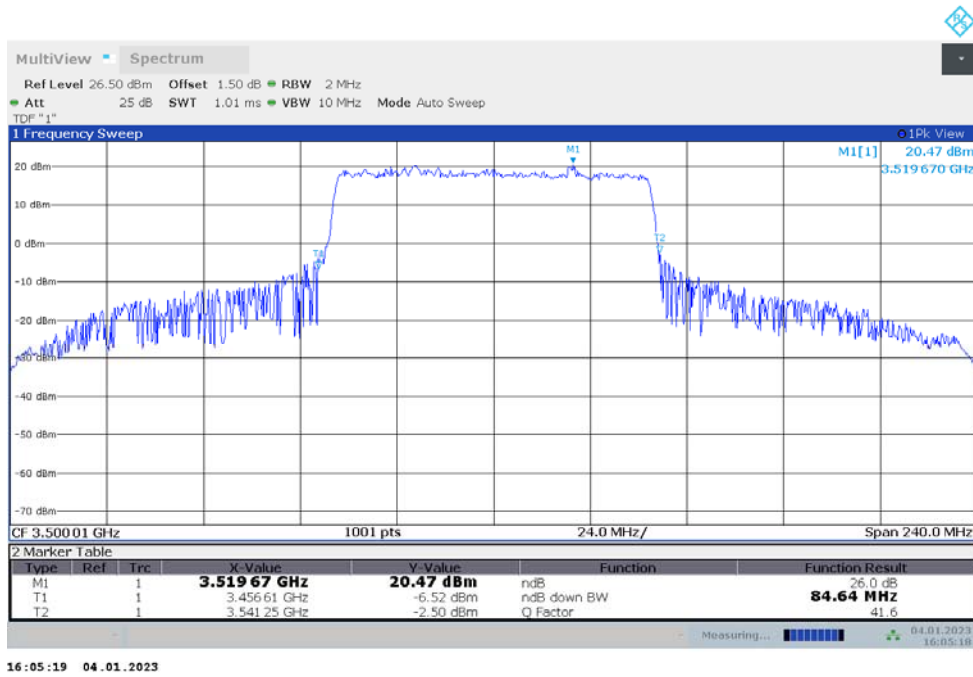
**n77L,70MHz Bandwidth,DFT-s-QPSK (-26dBc BW)**



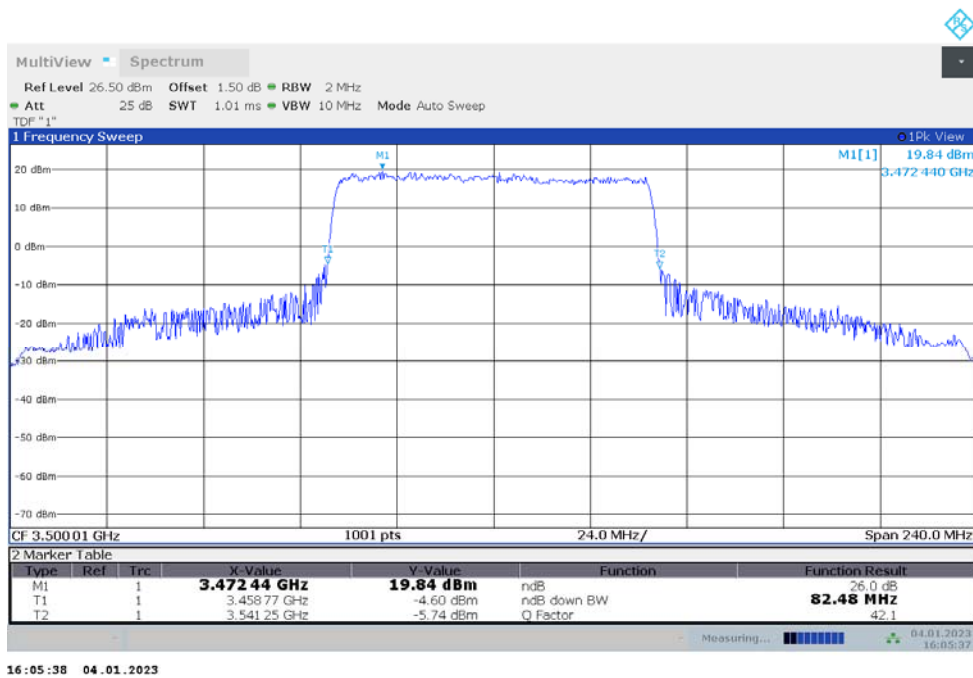
**LTE Band 66+NR n77L  
n77L,80MHz(-26dBc)**

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3500.01         | 84.640                            | 82.480     |

**n77L,80MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)**



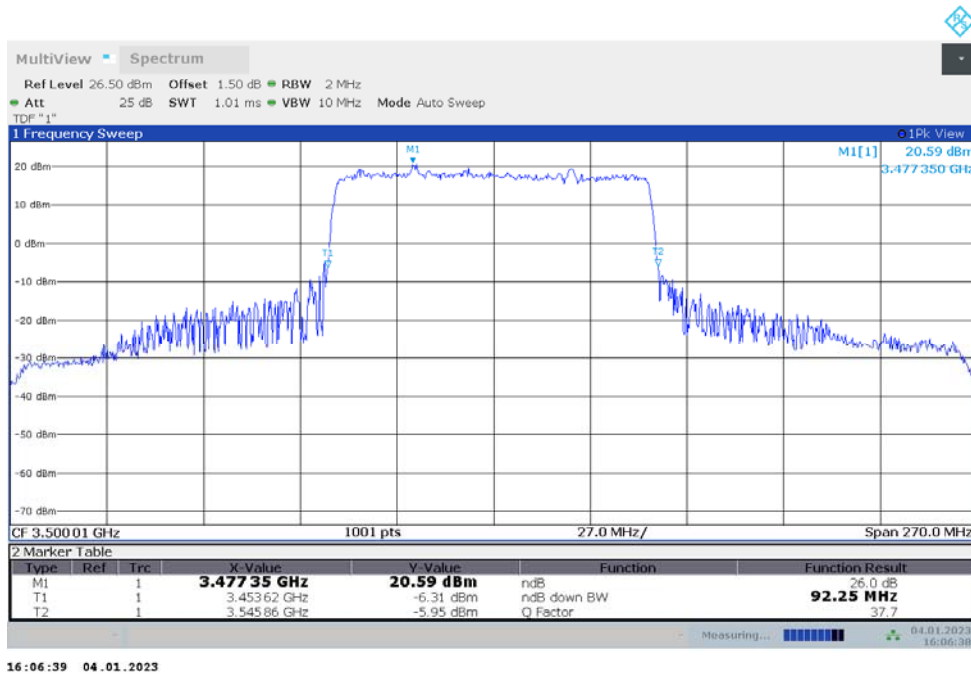
**n77L,80MHz Bandwidth,DFT-s-QPSK (-26dBc BW)**



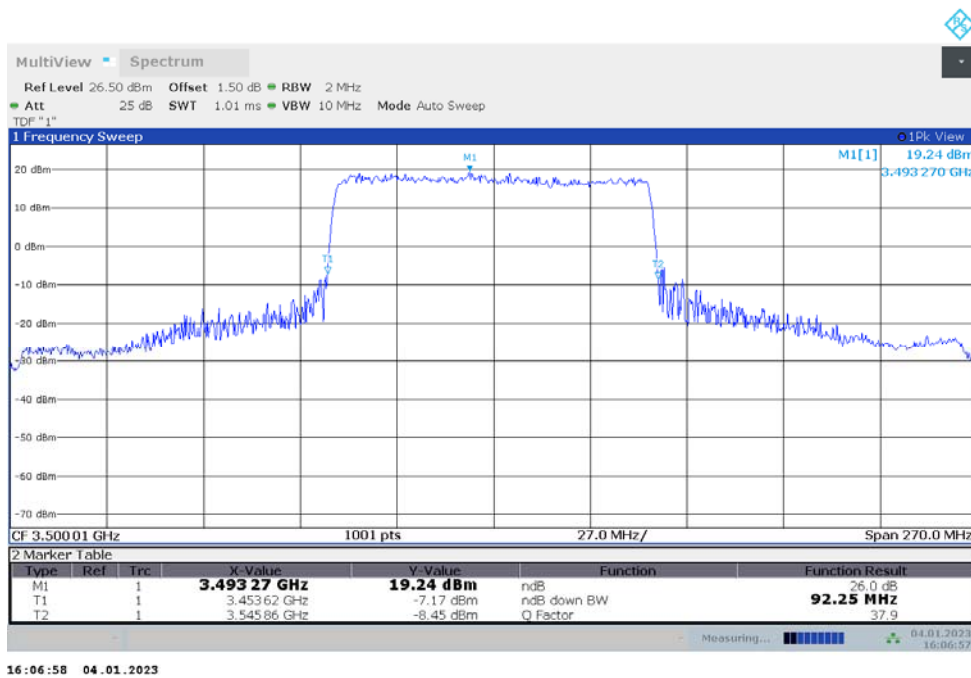
**LTE Band 66+NR n77L**  
**n77L,90MHz(-26dBc)**

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3500.01         | 92.250                            | 92.250     |

**n77L,90MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)**



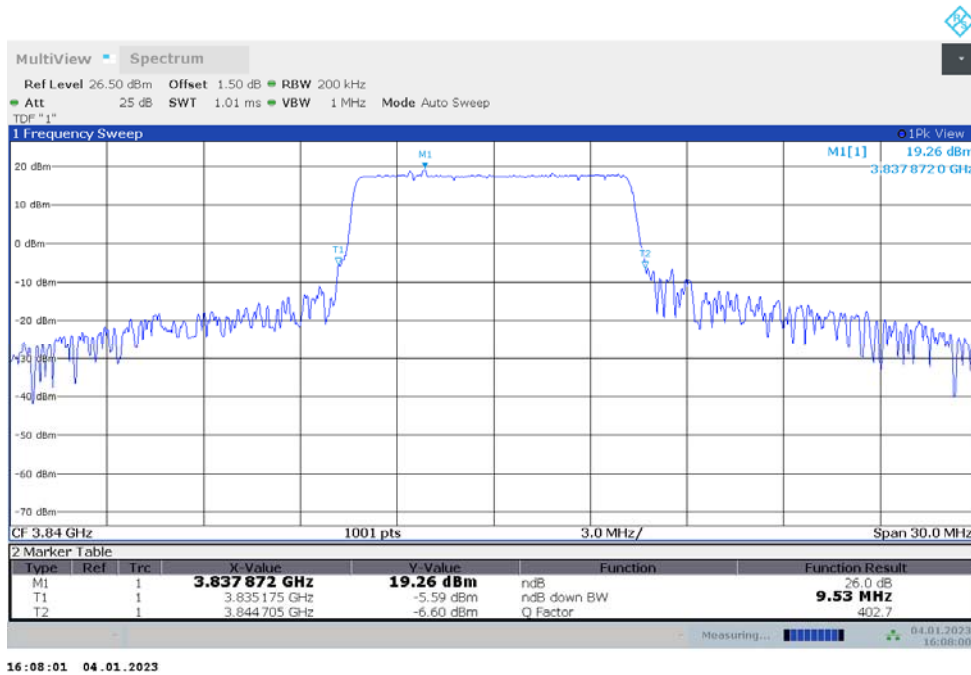
**n77L,90MHz Bandwidth,DFT-s-QPSK (-26dBc BW)**



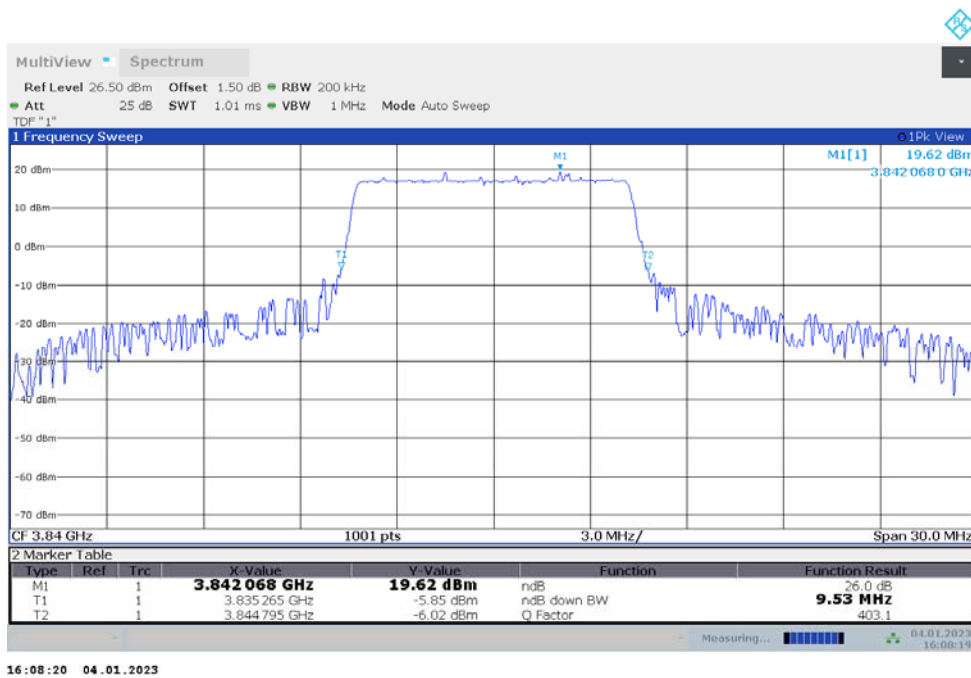
**LTE Band 66+NR n77H**  
**n77H,10MHz(-26dBc)**

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3840            | 9.530                             | 9.530      |

**n77H,10MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)**



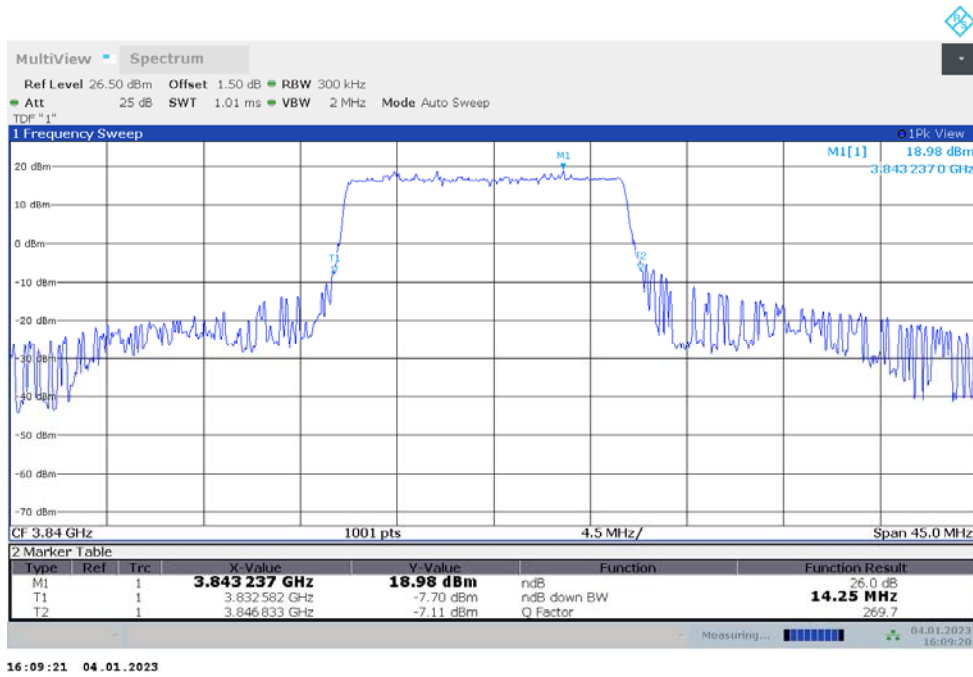
**n77H,10MHz Bandwidth,DFT-s-QPSK (-26dBc BW)**



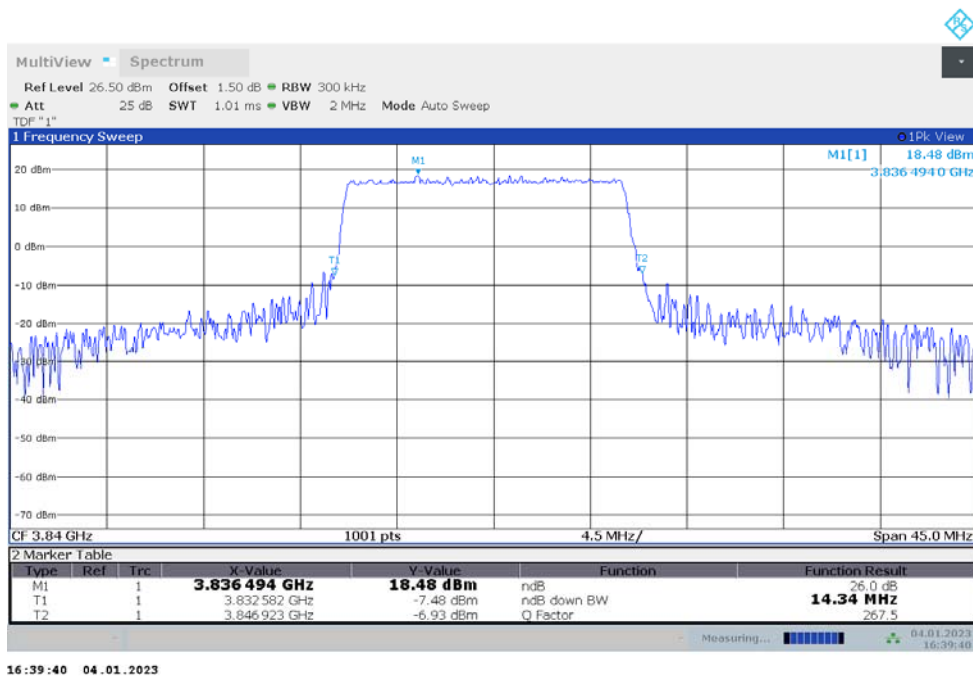
**LTE Band 66+NR n77H**  
**n77H,15MHz(-26dBc)**

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3840            | 14.251                            | 14.341     |

**n77H,15MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)**



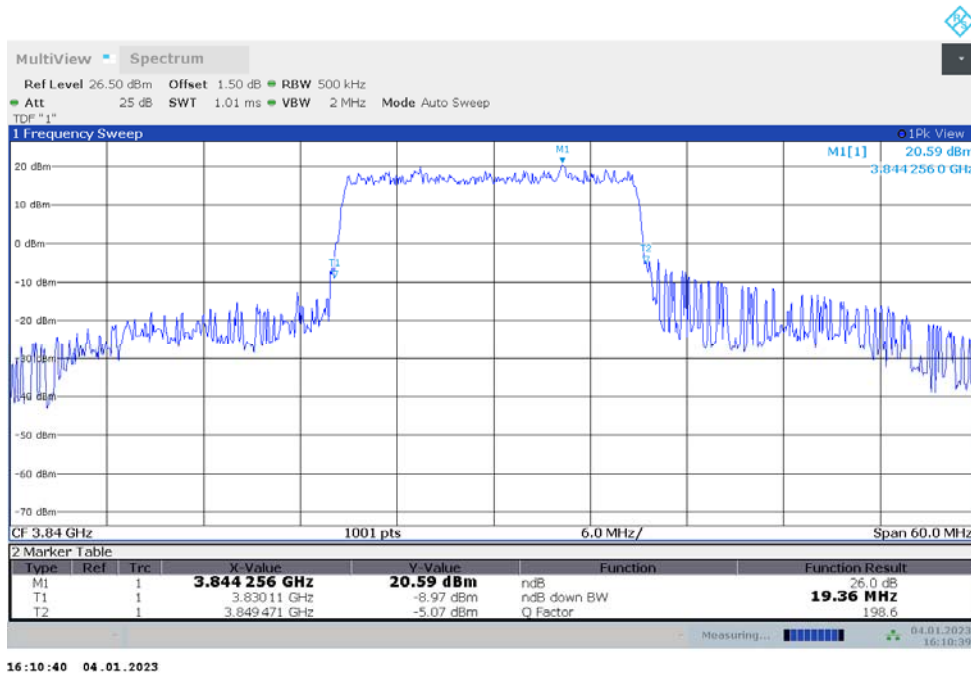
**n77H,15MHz Bandwidth,DFT-s-QPSK (-26dBc BW)**



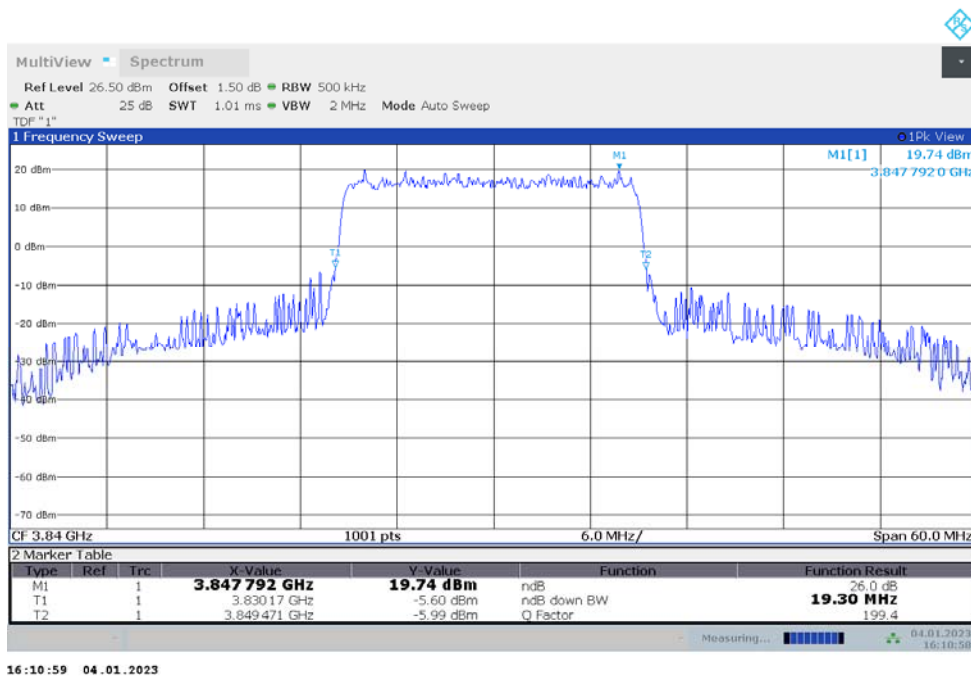
**LTE Band 66+NR n77H**  
**n77H,20MHz(-26dBc)**

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3840            | 19.361                            | 19.301     |

**n77H,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)**



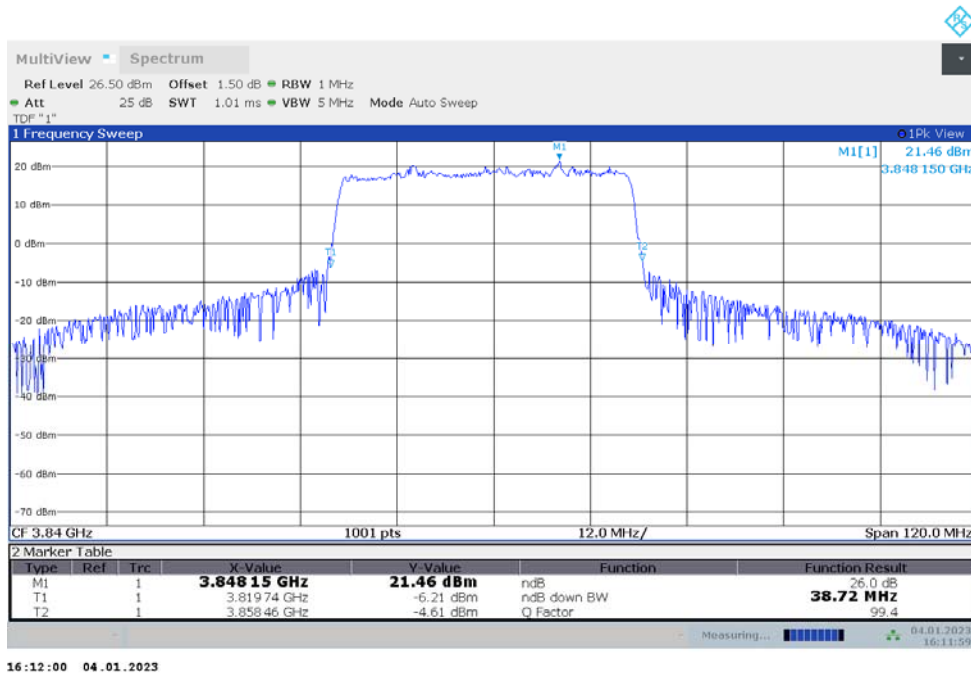
**n77H,20MHz Bandwidth,DFT-s-QPSK (-26dBc BW)**



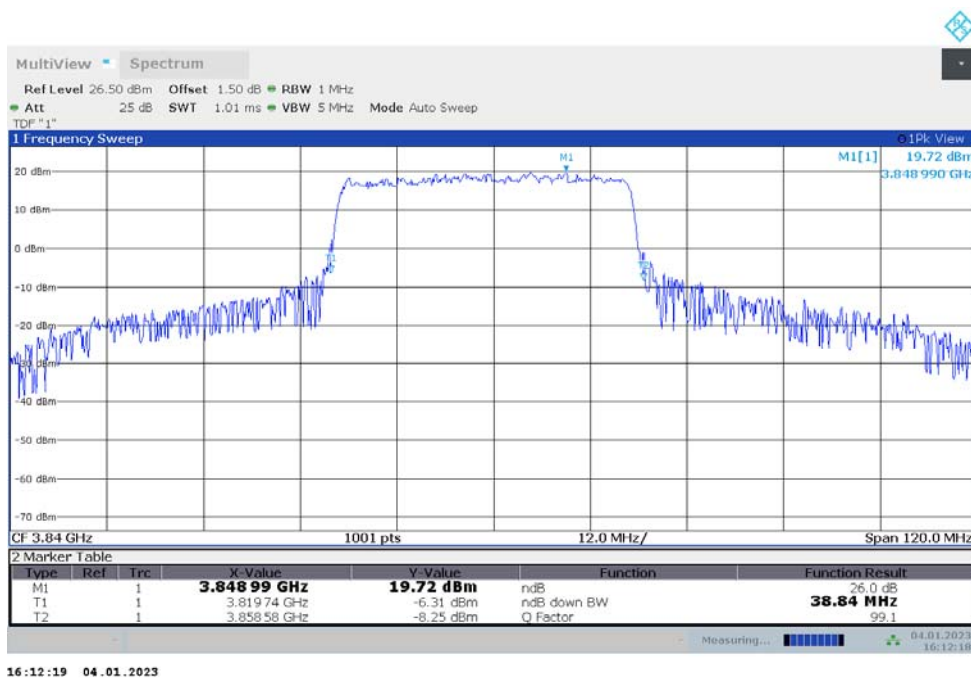
**LTE Band 66+NR n77H**  
**n77H,40MHz(-26dBc)**

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3840            | 38.720                            | 38.840     |

**n77H,40MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)**



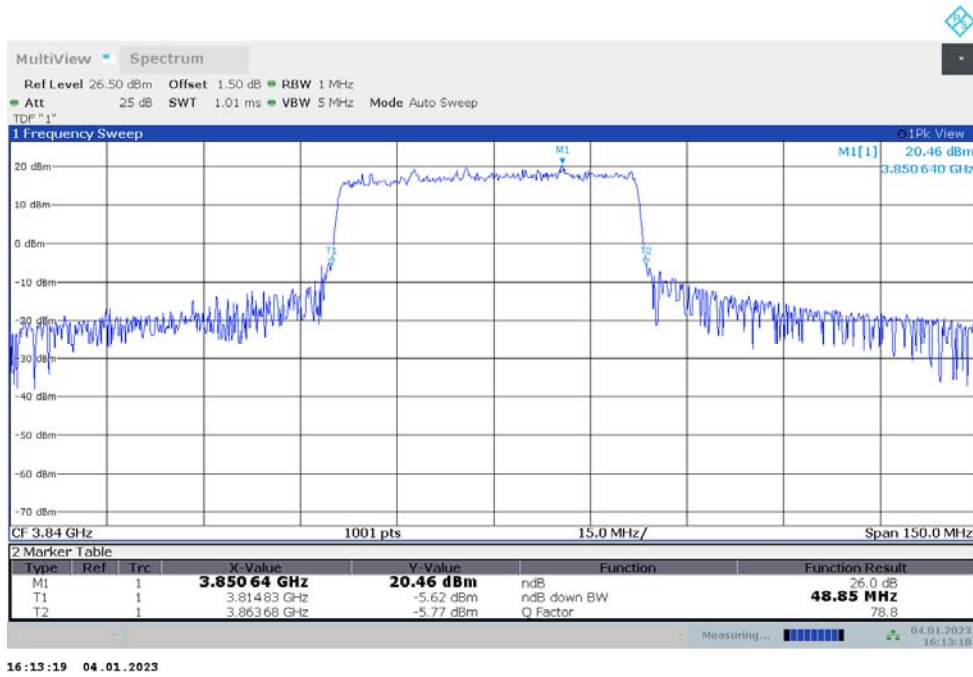
**n77H,40MHz Bandwidth,DFT-s-QPSK (-26dBc BW)**



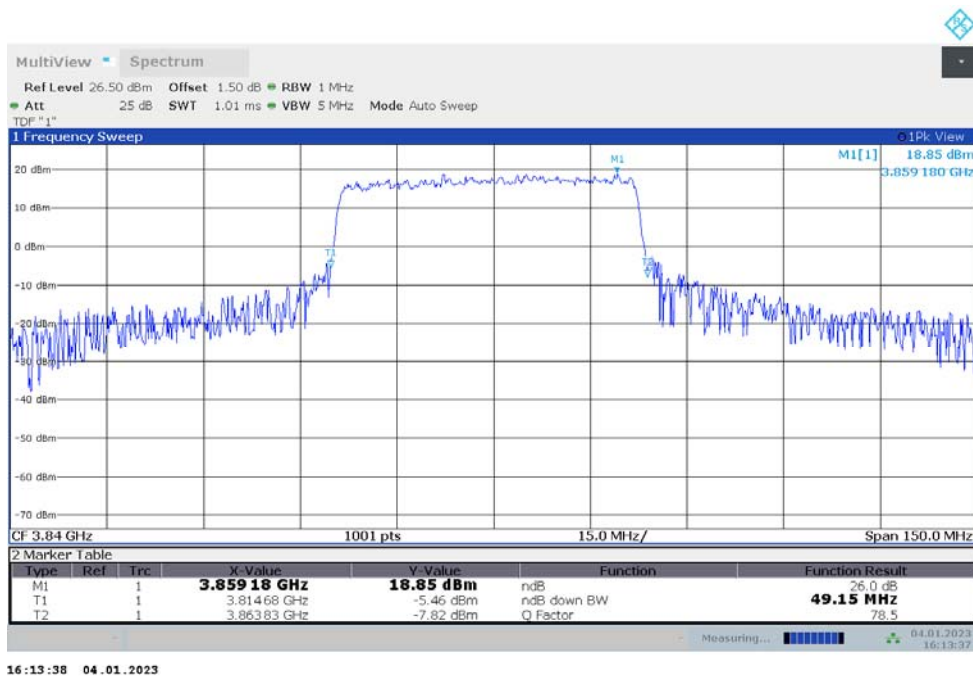
**LTE Band 66+NR n77H**  
**n77H,50MHz(-26dBc)**

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3840            | 48.850                            | 49.150     |

**n77H,50MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)**



**n77H,50MHz Bandwidth,DFT-s-QPSK (-26dBc BW)**

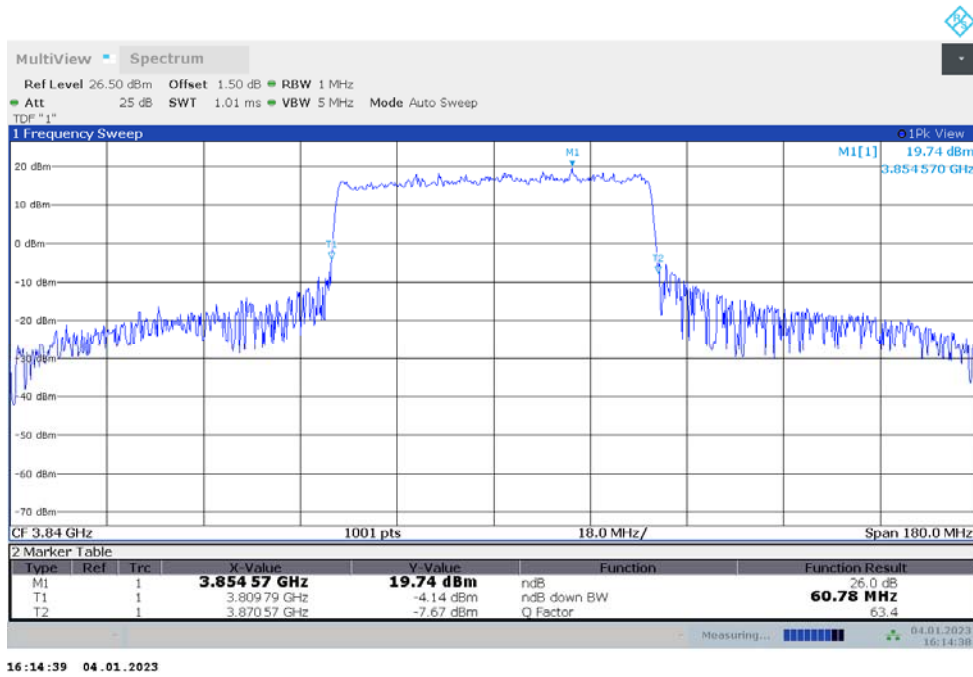




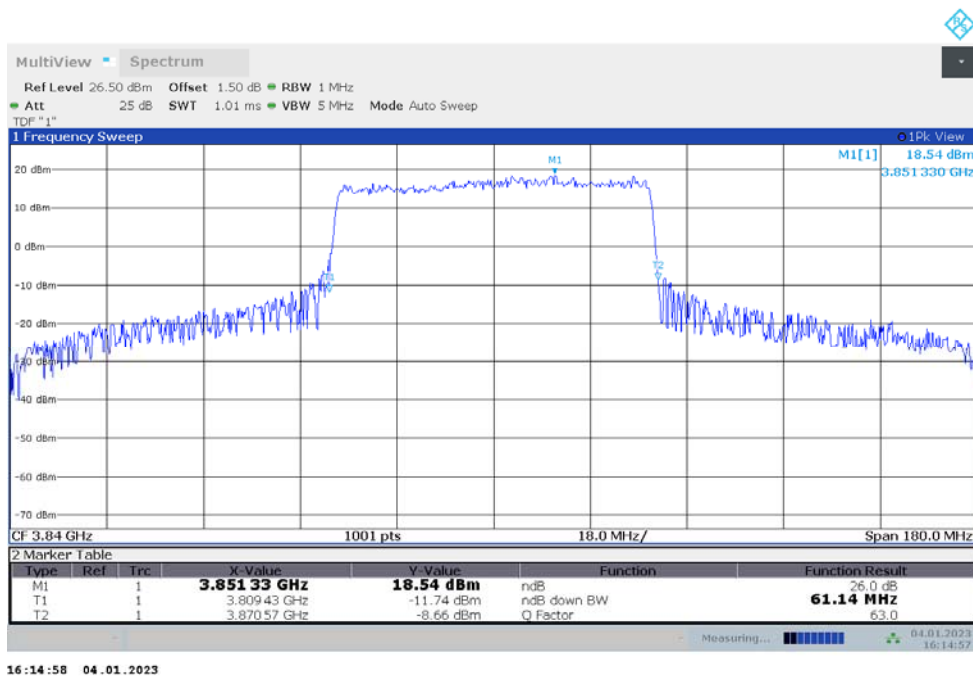
**LTE Band 66+NR n77H  
n77H,60MHz(-26dBc)**

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3840            | 60.780                            | 61.140     |

**n77H,60MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)**



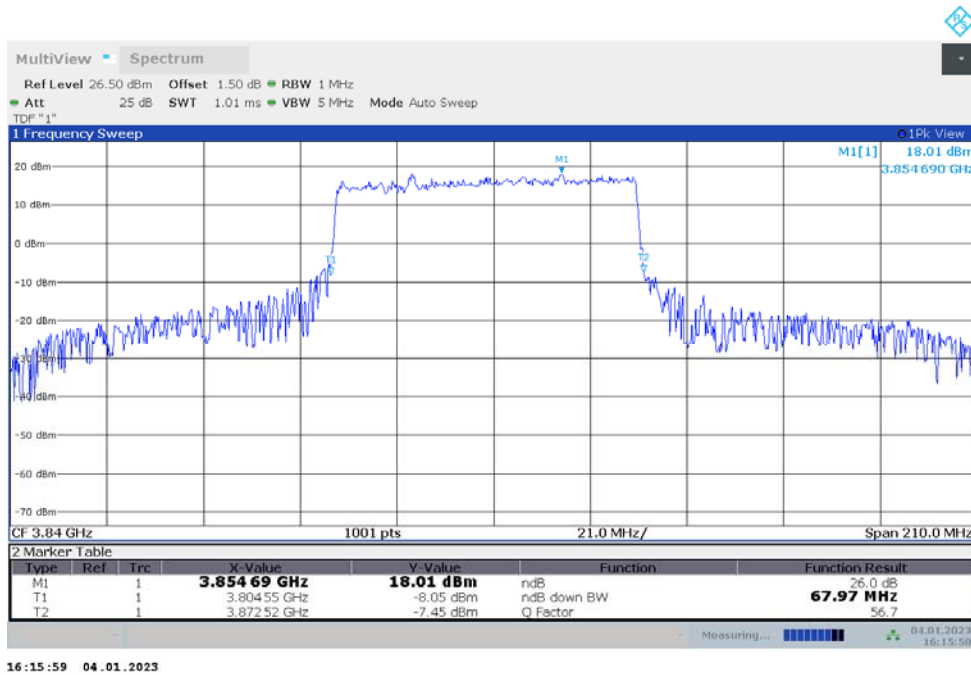
**n77H,60MHz Bandwidth,DFT-s-QPSK (-26dBc BW)**



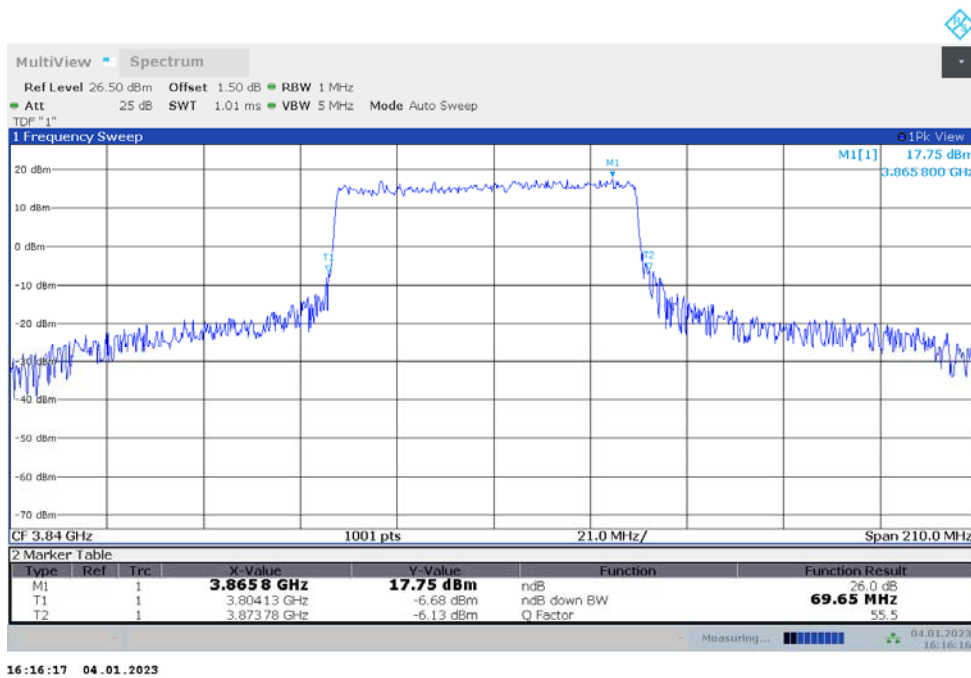
**LTE Band 66+NR n77H**  
**n77H,70MHz(-26dBc)**

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3840            | 67.970                            | 69.650     |

**n77H,70MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)**



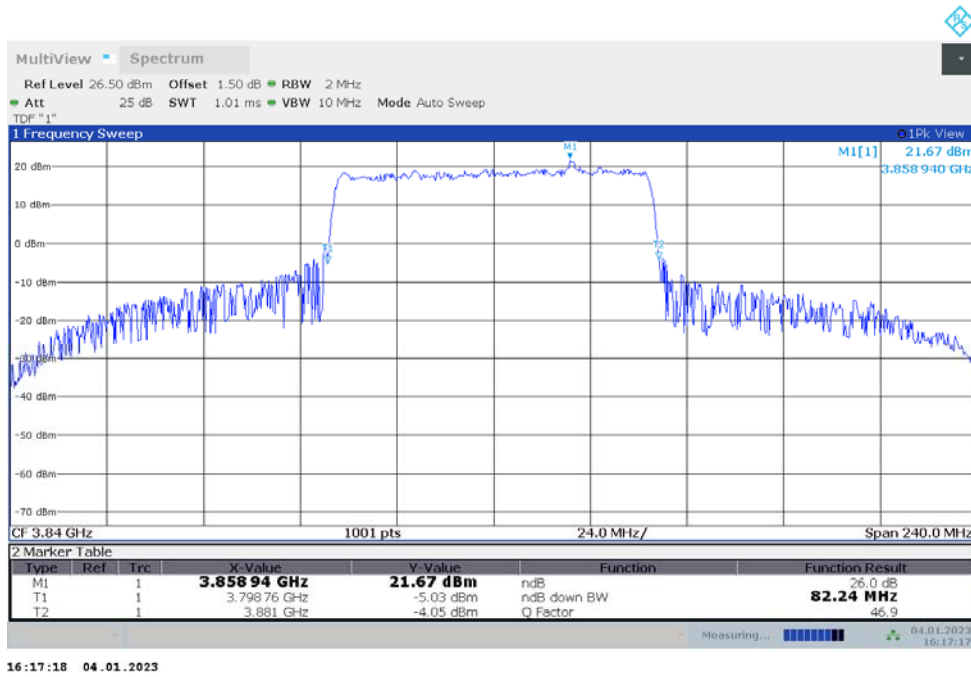
**n77H,70MHz Bandwidth,DFT-s-QPSK (-26dBc BW)**



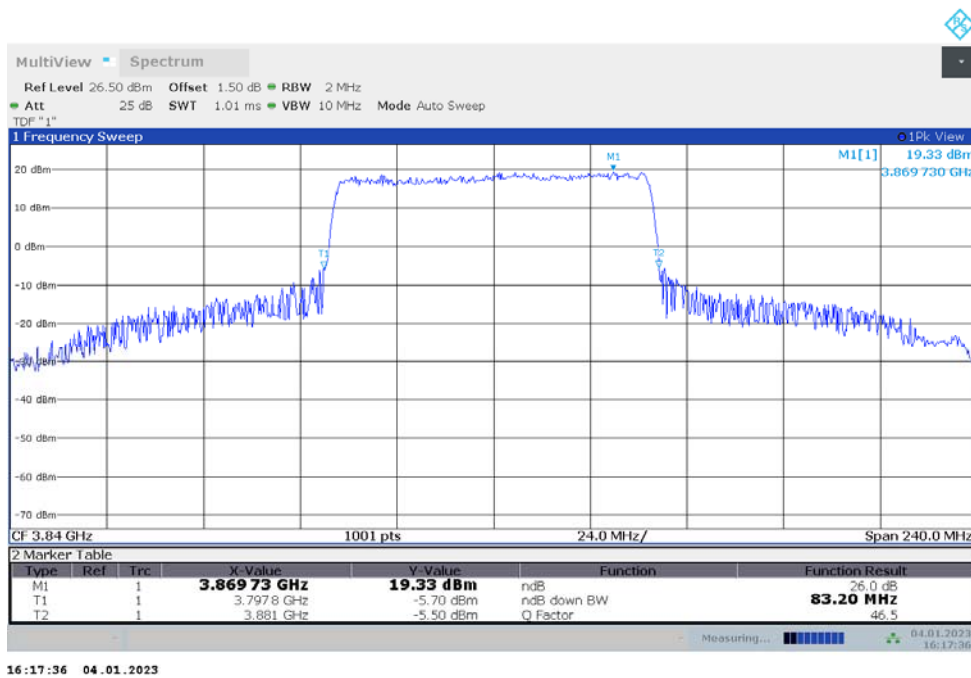
**LTE Band 66+NR n77H**  
**n77H,80MHz(-26dBc)**

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3840            | 82.240                            | 83.200     |

**n77H,80MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)**



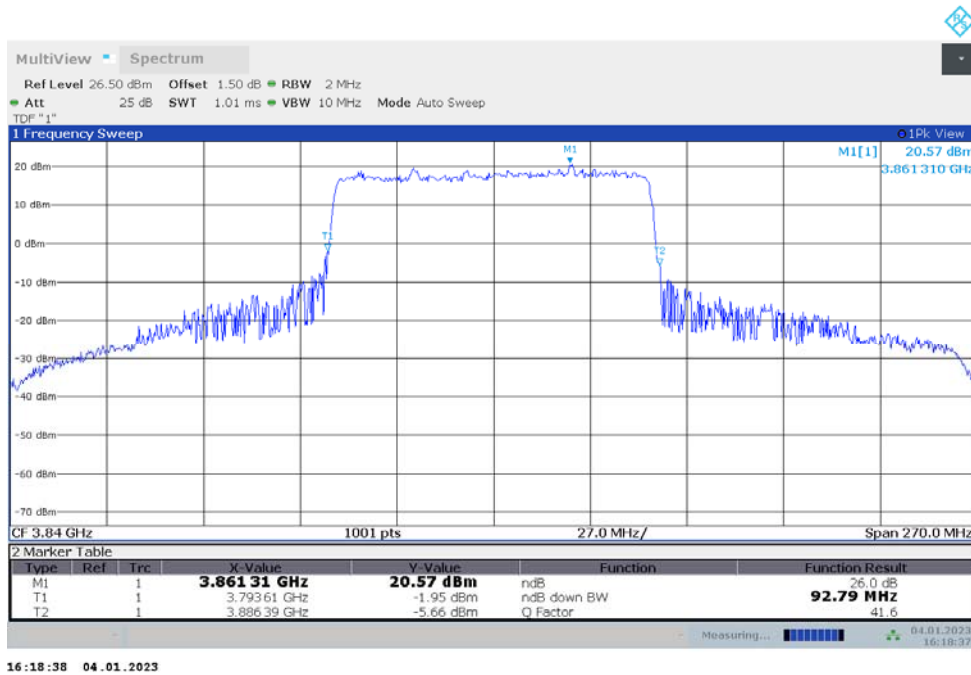
**n77H,80MHz Bandwidth,DFT-s-QPSK (-26dBc BW)**



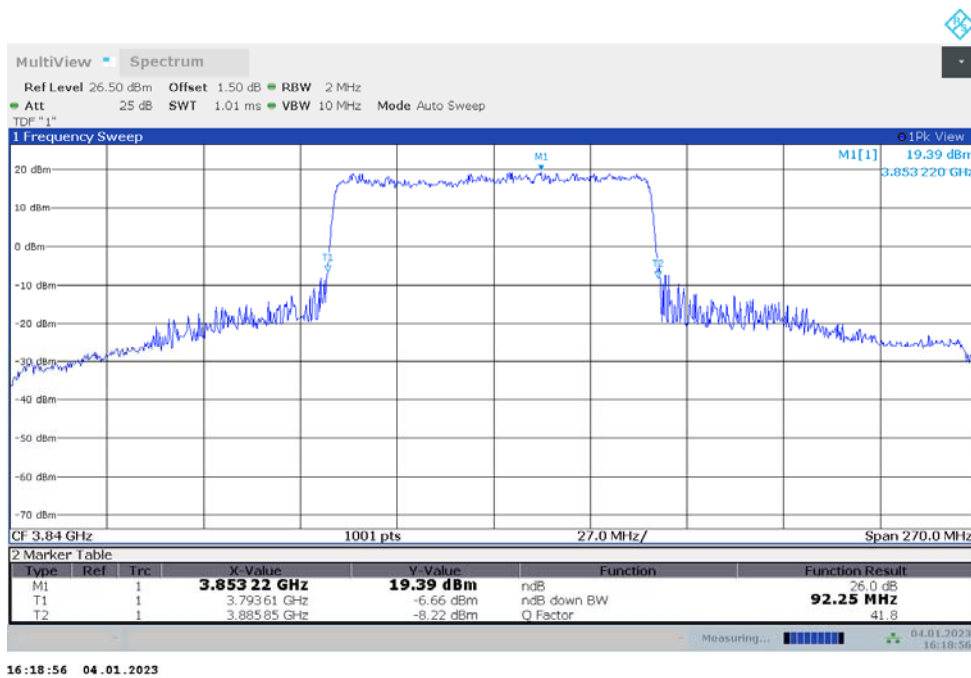
**LTE Band 66+NR n77H**  
**n77H,90MHz(-26dBc)**

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3840            | 92.790                            | 92.250     |

**n77H,90MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)**



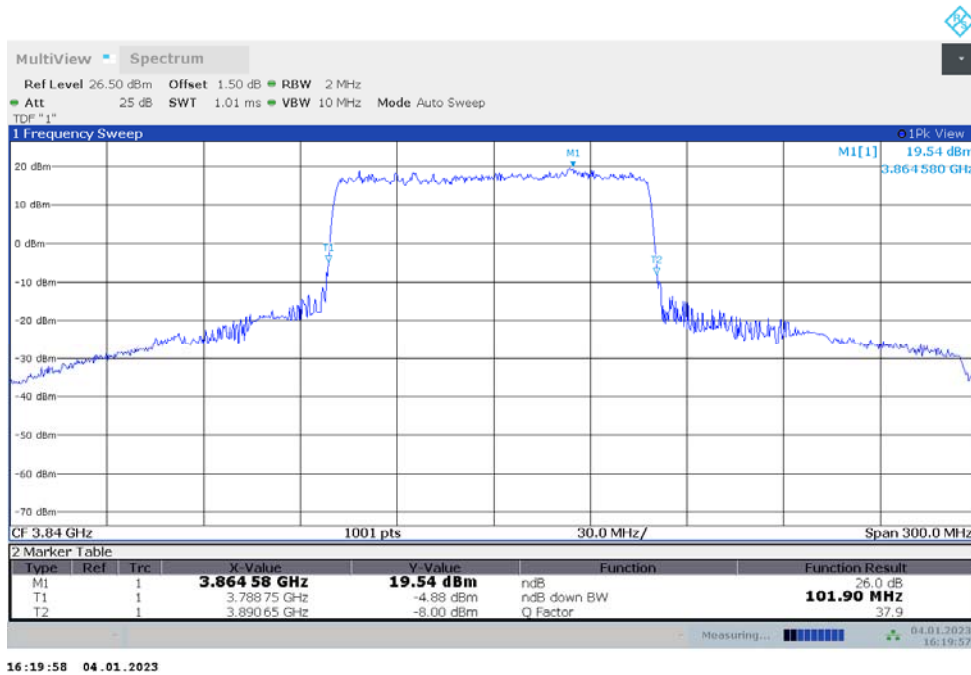
**n77H,90MHz Bandwidth,DFT-s-QPSK (-26dBc BW)**



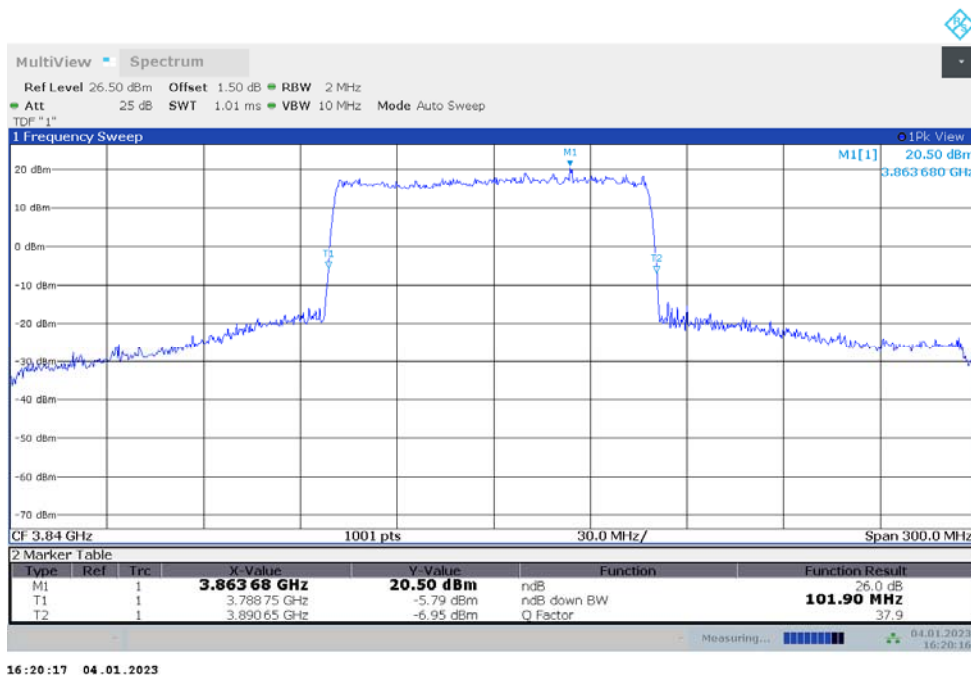
**LTE Band 66+NR n77H  
n77H,100MHz(-26dBc)**

| Frequency (MHz) | Emission Bandwidth (-26dBc) (MHz) |            |
|-----------------|-----------------------------------|------------|
|                 | DFT-s-pi/2 BPSK                   | DFT-s-QPSK |
| 3840            | 101.900                           | 101.900    |

**n77H,100MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)**



**n77H,100MHz Bandwidth,DFT-s-QPSK (-26dBc BW)**



Note: The maximum value of expanded measurement uncertainty for this test item is  $U = 0.626$  kHz,  $k = 2$ .

## **A.6 Band Edge Compliance**

### **A.6.1 Measurement limit**

Part 96.41(e) states for channel and frequency assignments made by a CBSD to End User Devices, the conducted power of any End User Device emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed  $-13$  dBm/MHz within 0 to B megahertz (where B is the bandwidth in megahertz of the assigned channel or multiple contiguous channels of the End User Device) above the upper CBSD-assigned channel edge and within 0 to B megahertz below the lower CBSD-assigned channel edge. At all frequencies greater than B megahertz above the upper CBSD assigned channel edge and less than B megahertz below the lower CBSD-assigned channel edge, the conducted power of any End User Device emission shall not exceed  $-25$  dBm/MHz. Notwithstanding the emission limits in this paragraph, the Adjacent Channel Leakage Ratio for End User Devices shall be at least 30 dB.

Part 27.53(n) states for mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed  $-13$  dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

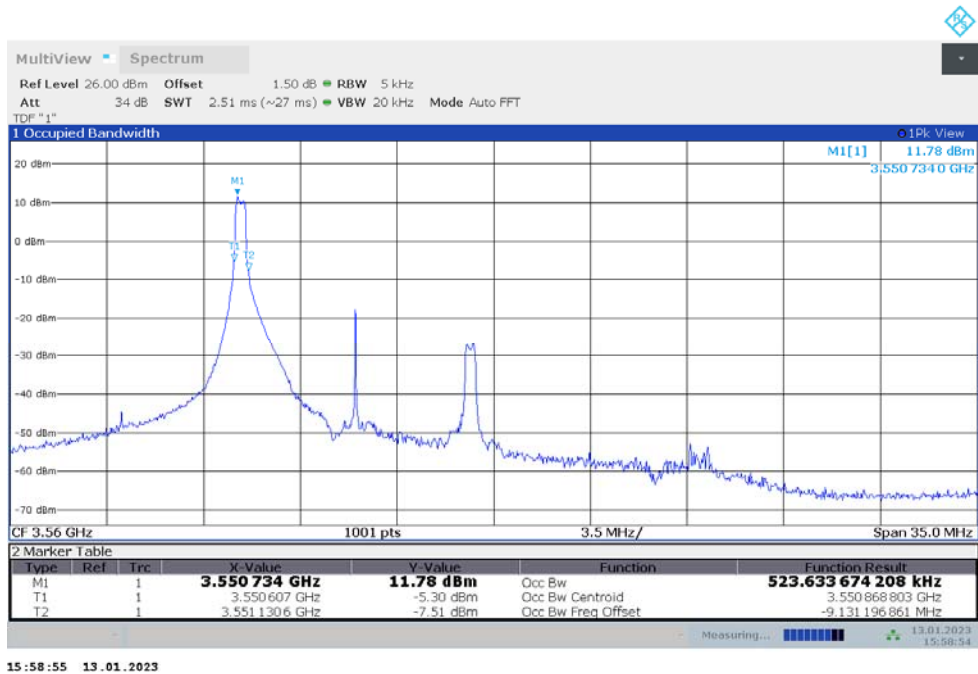
Part 27.53(l) states for mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed  $-13$  dBm/MHz. Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

The spectrum analyzer readings are corrected by  $[10 \log (1/\text{duty cycle})]$  for the non-continuous transmitting scenario.

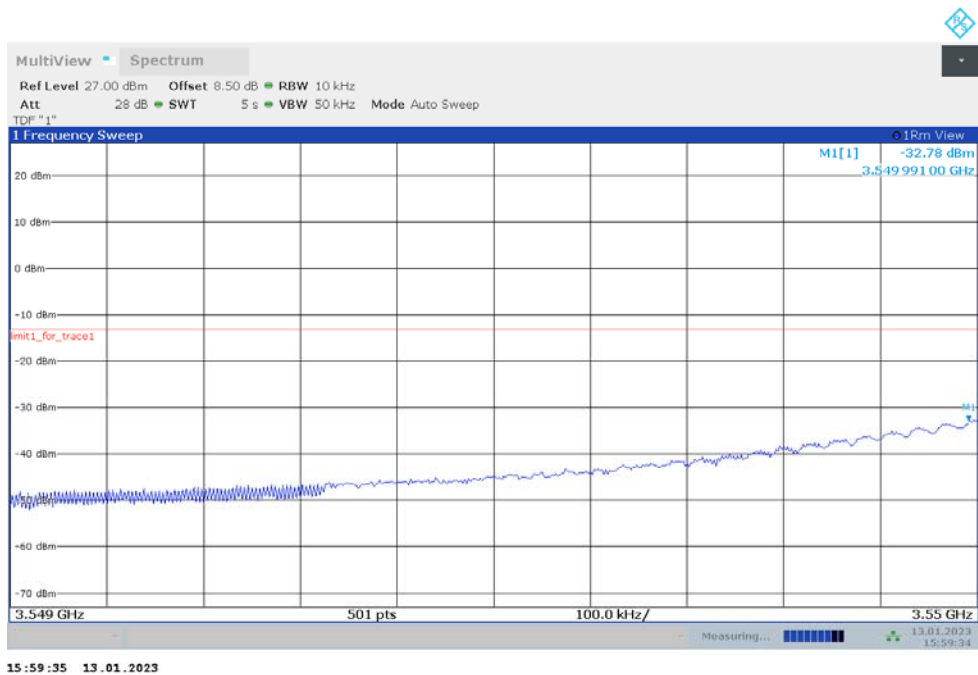
### A.6.2 Measurement result

NR n48

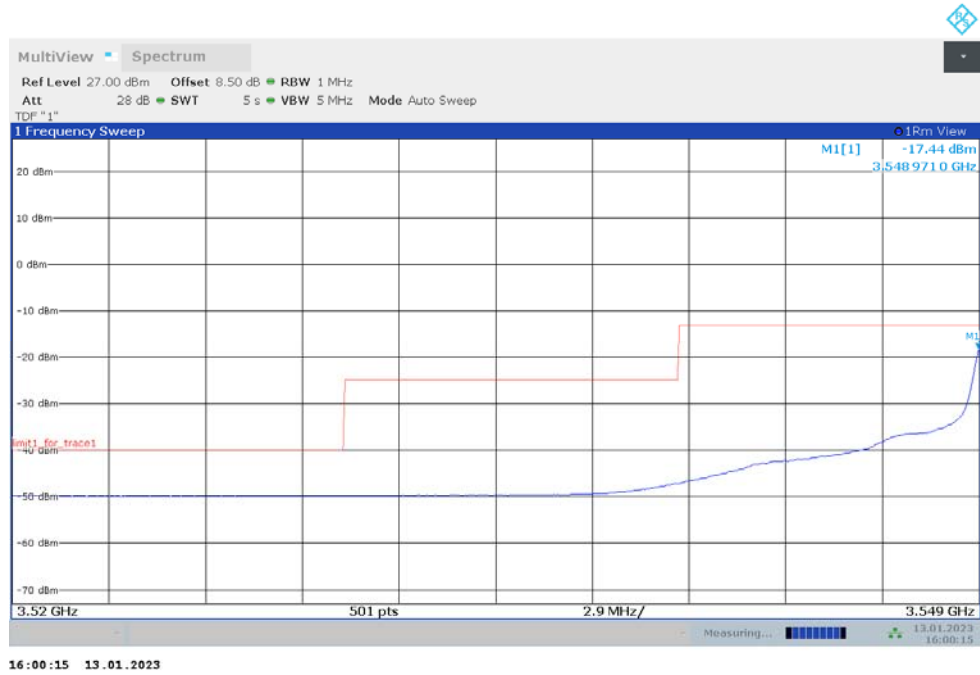
OBW: 1RB-LOW\_offset



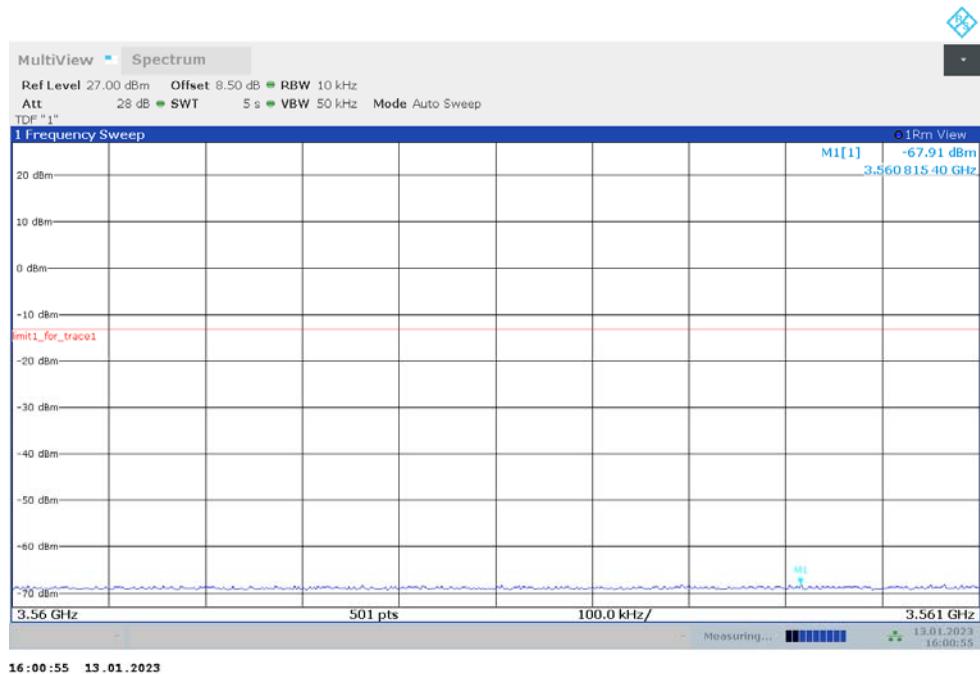
### LOW BAND EDGE BLOCK-1RB-LOW\_offset



### LOW BAND EDGE BLOCK-1RB-LOW\_offset

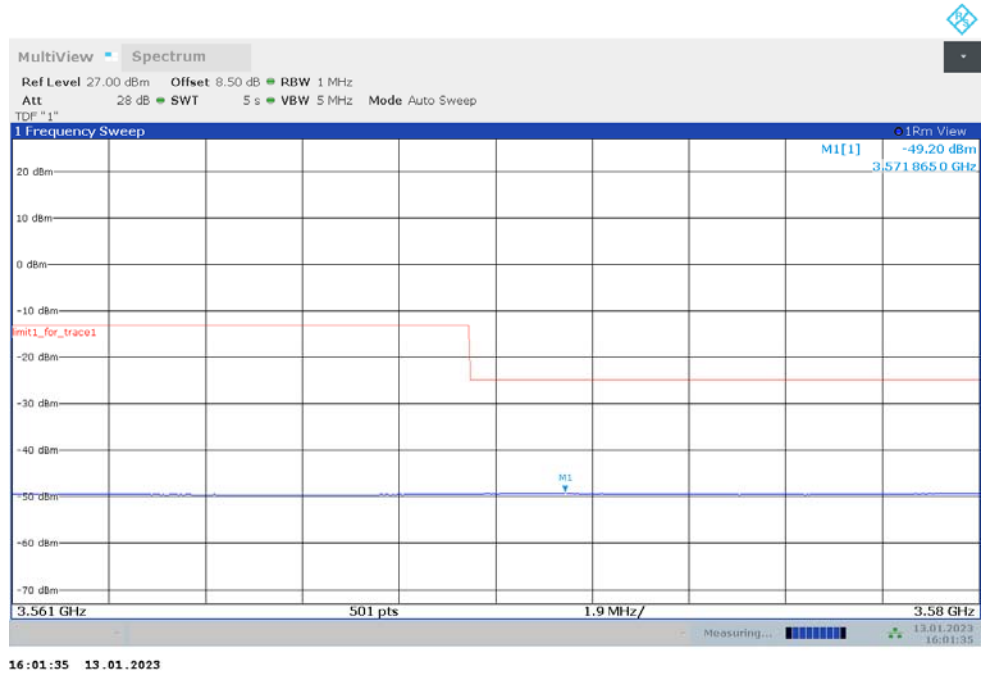


### LOW BAND EDGE BLOCK-1RB-LOW\_offset

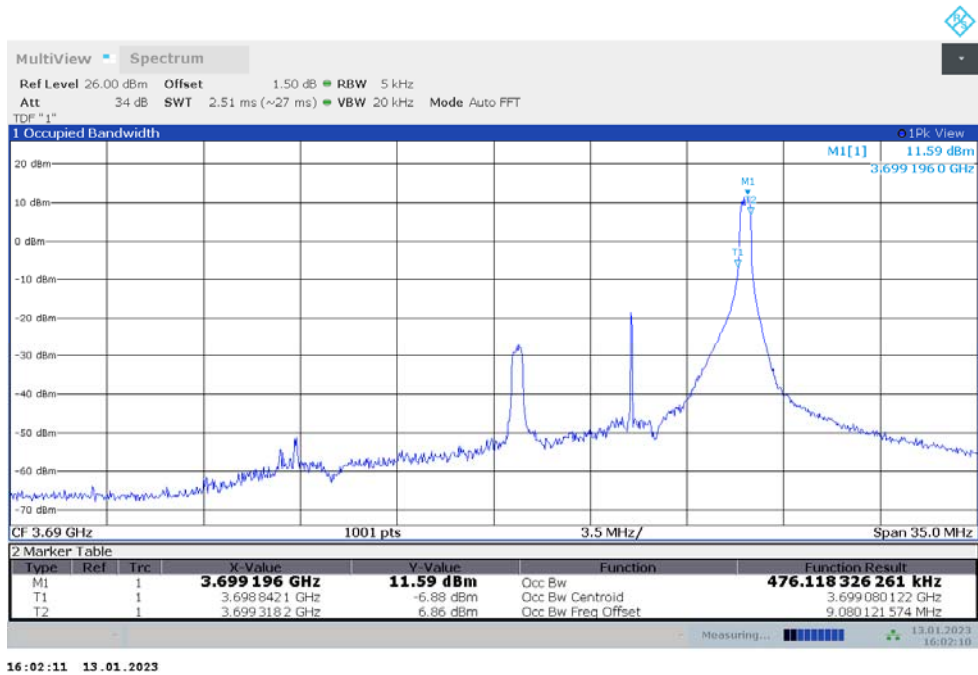




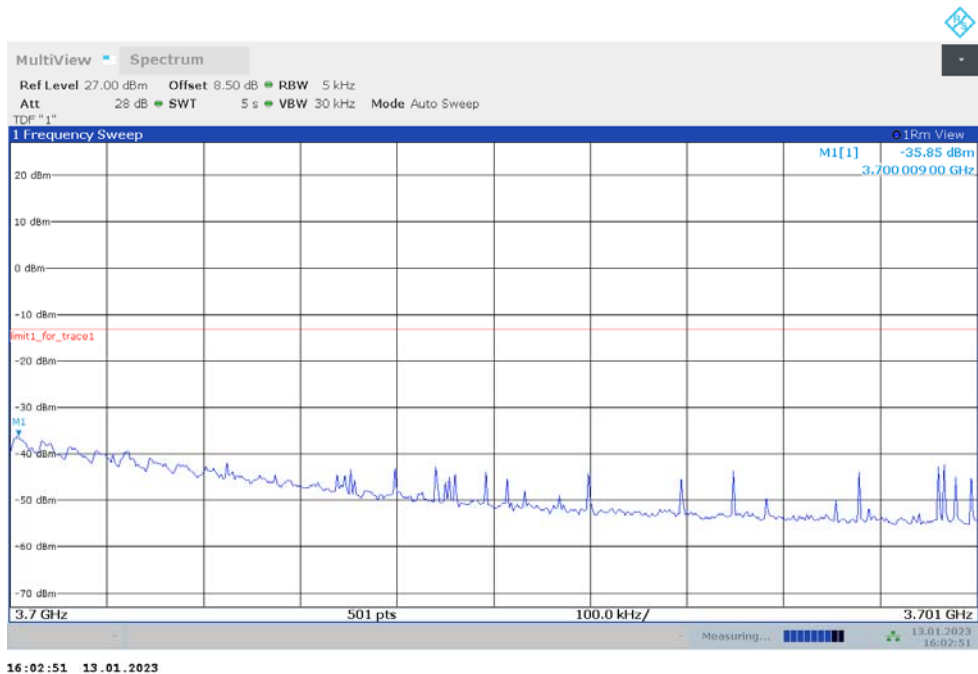
### LOW BAND EDGE BLOCK-1RB-LOW\_offset



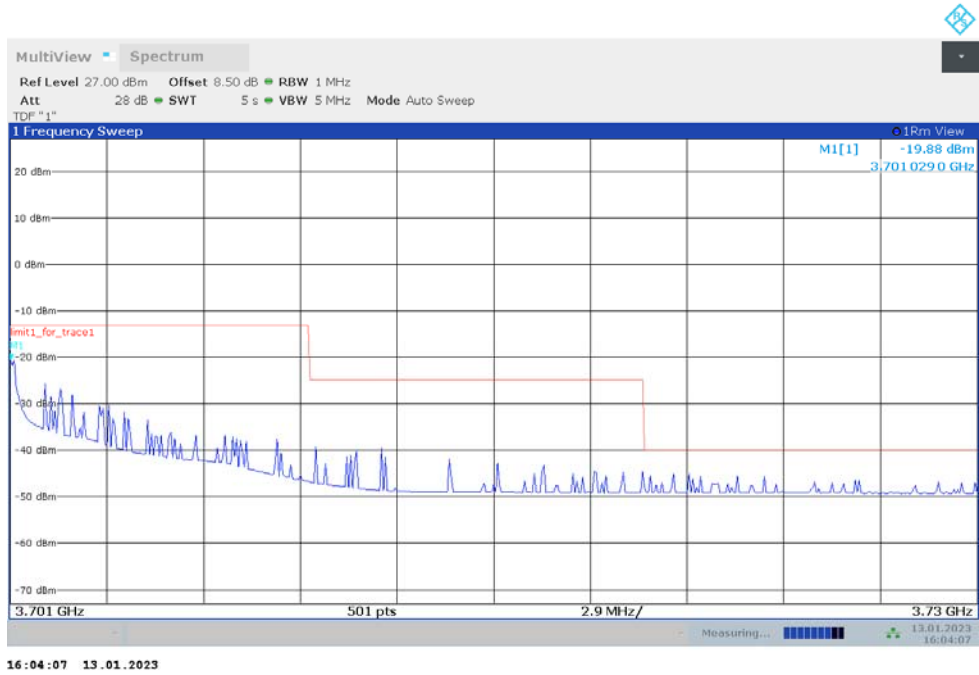
### OBW: 1RB-HIGH\_offset



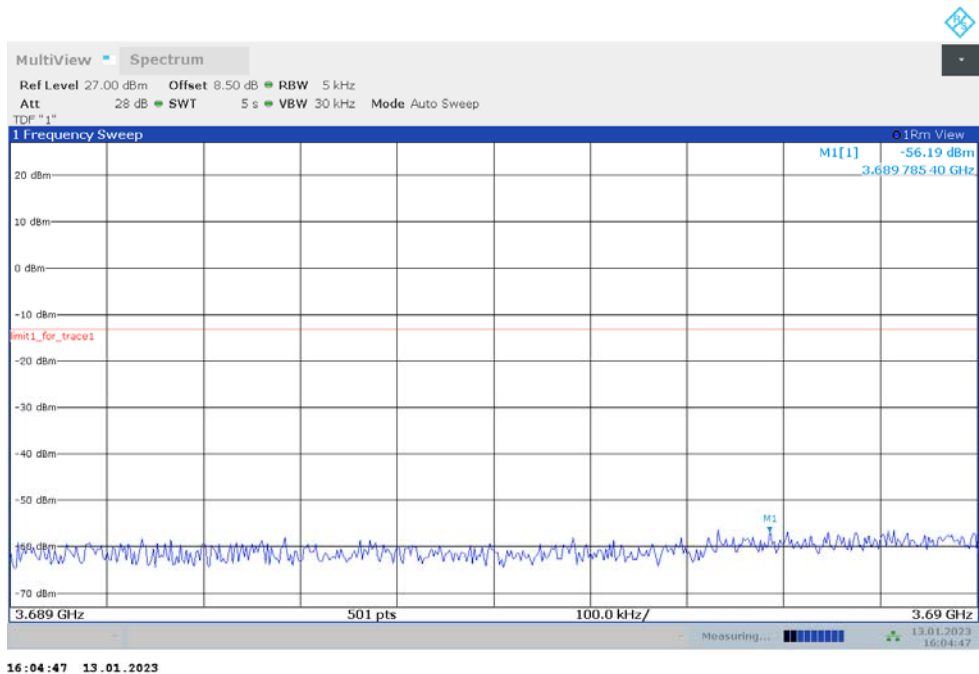
### HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



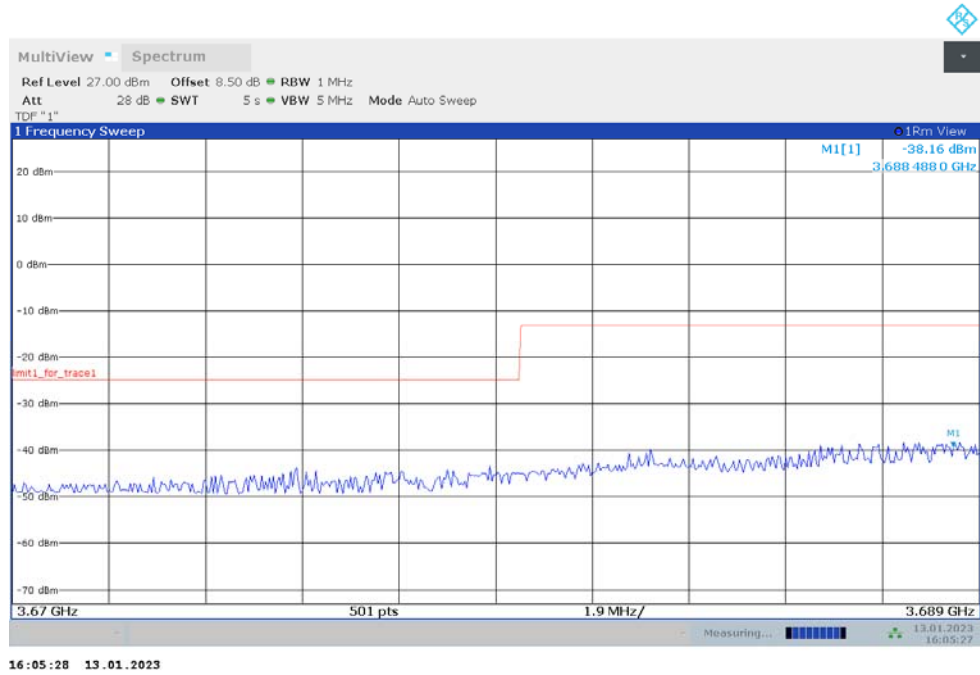
### HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



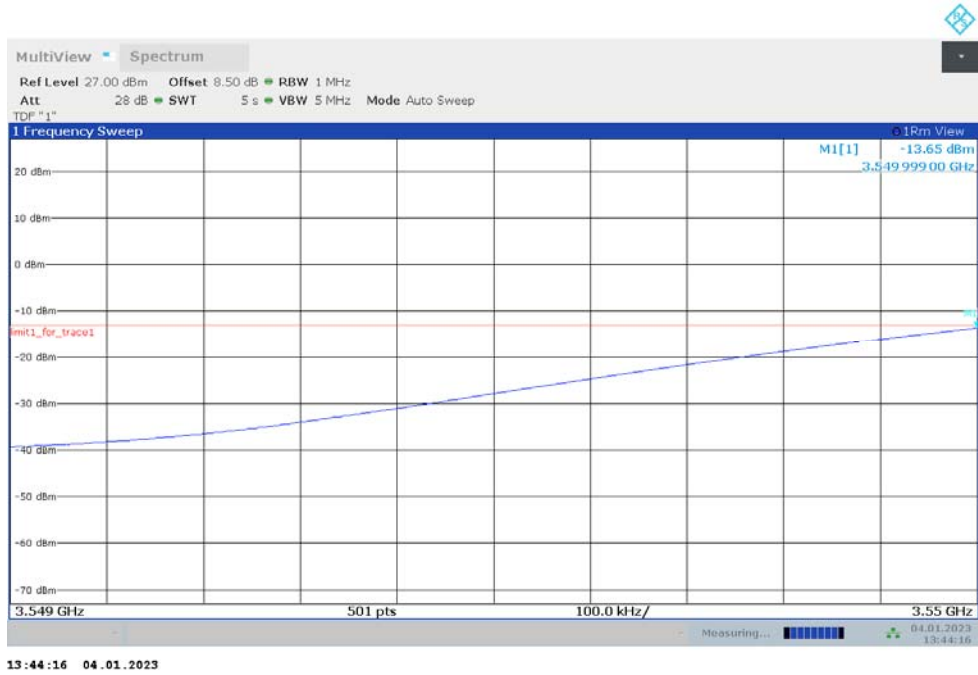
### HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



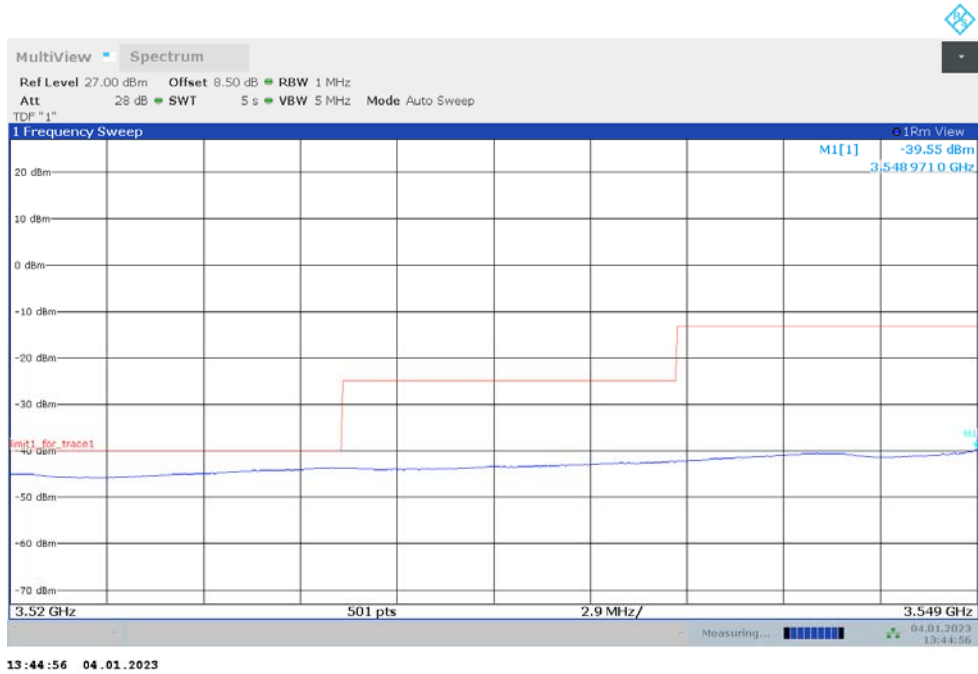
### HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



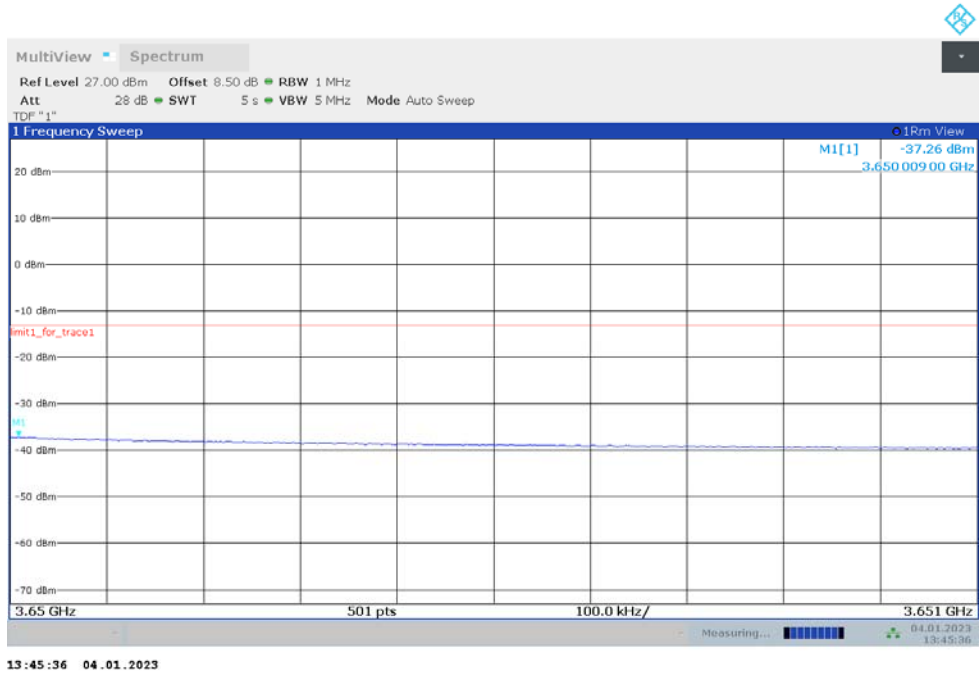
### LOW BAND EDGE BLOCK-100M-100%RB



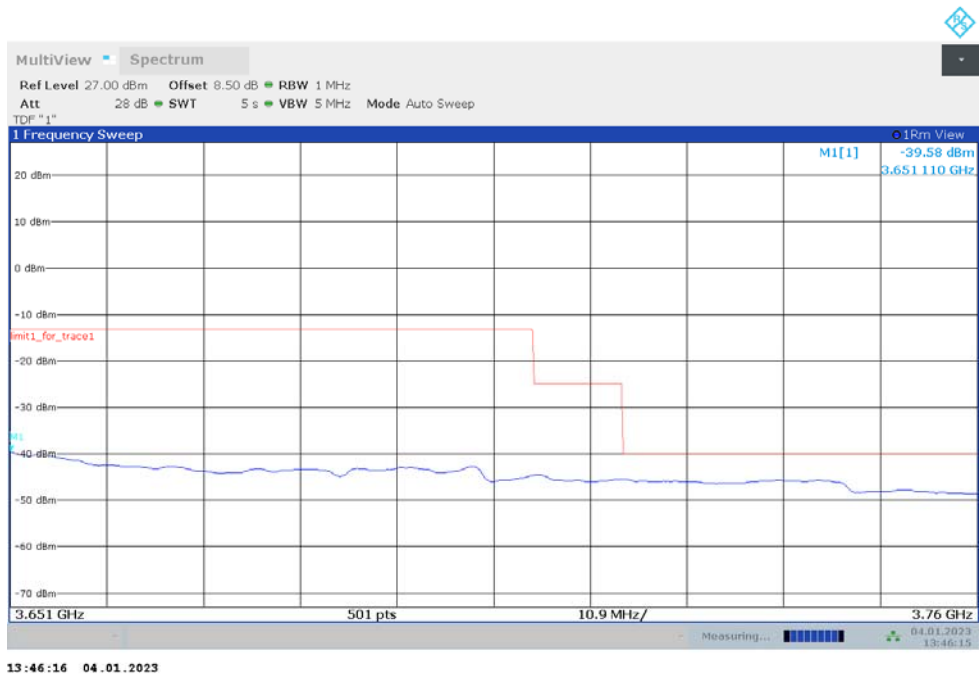
### LOW BAND EDGE BLOCK-100M-100%RB



### LOW BAND EDGE BLOCK-100M-100%RB



### LOW BAND EDGE BLOCK-100M-100%RB

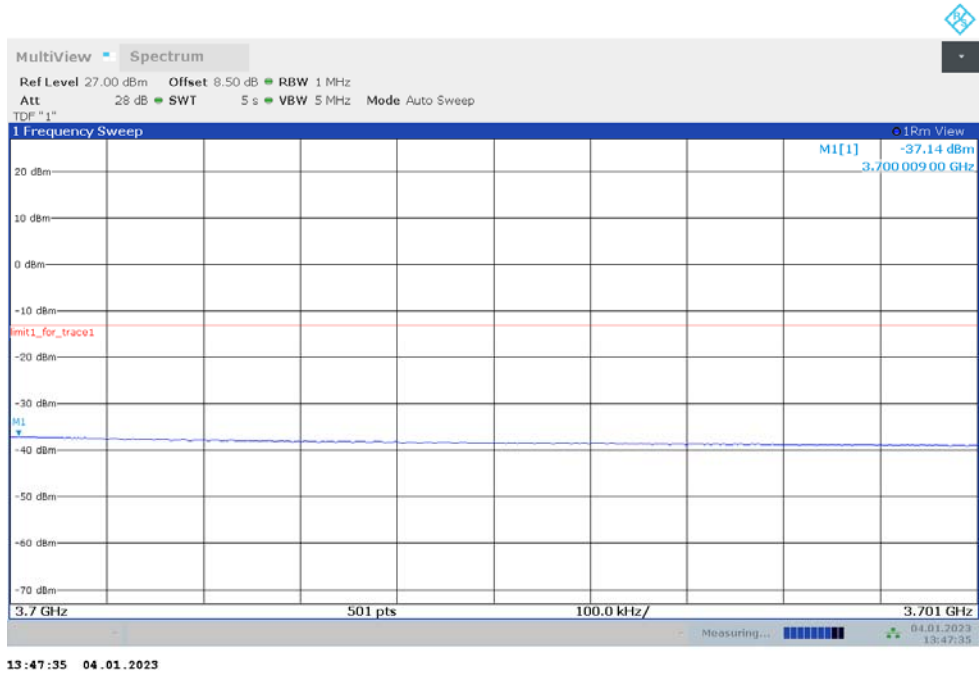


**ACLR**

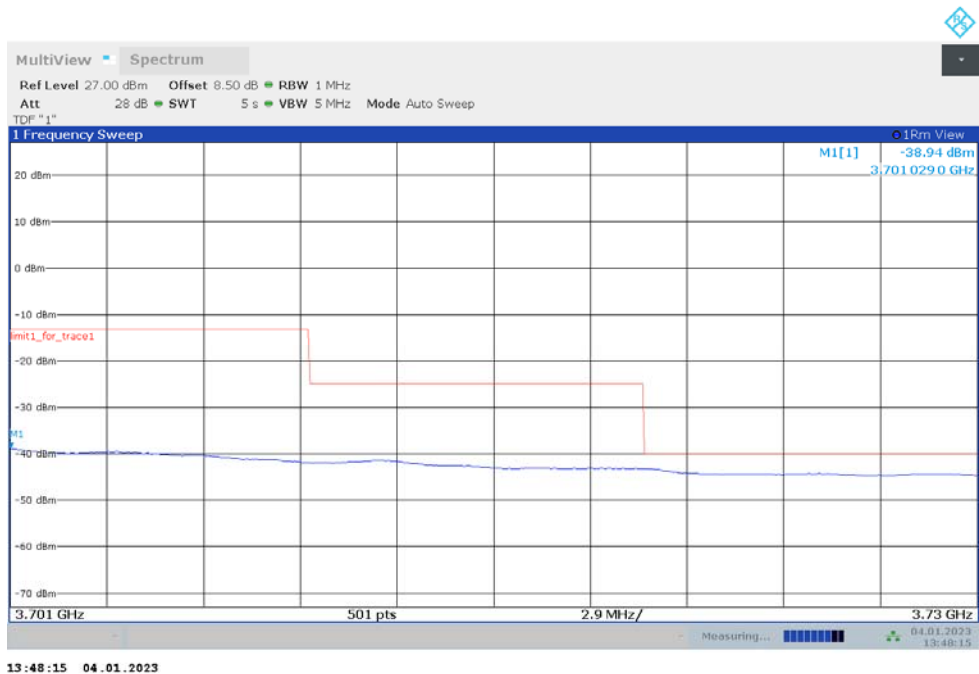


13:46:33 04.01.2023

### HIGH BAND EDGE BLOCK-100M-100%RB

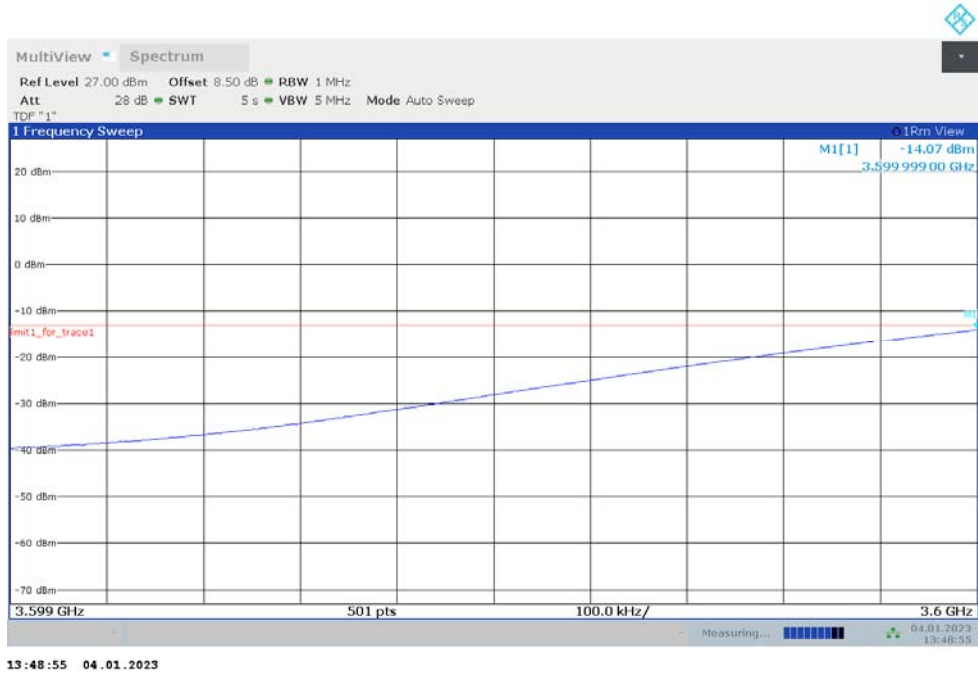


### HIGH BAND EDGE BLOCK-100M-100%RB

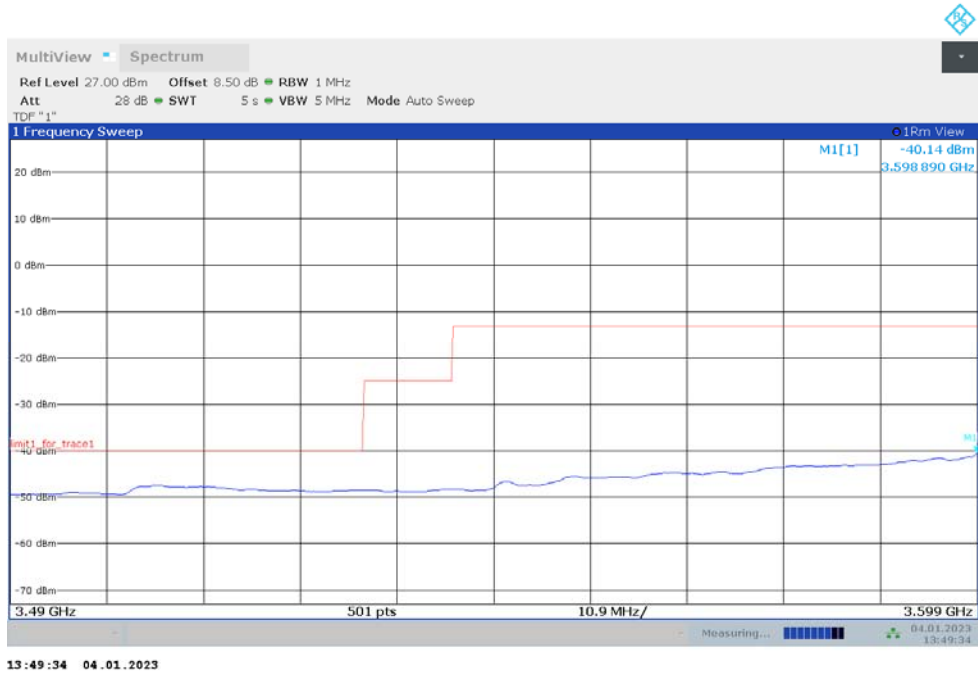




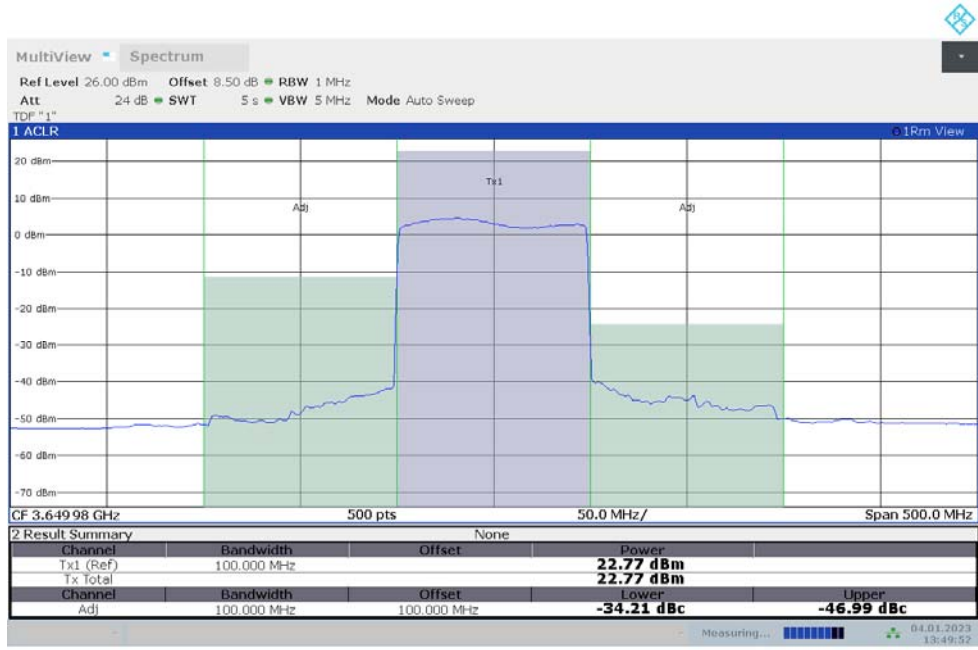
### HIGH BAND EDGE BLOCK-100M-100%RB



### HIGH BAND EDGE BLOCK-100M-100%RB



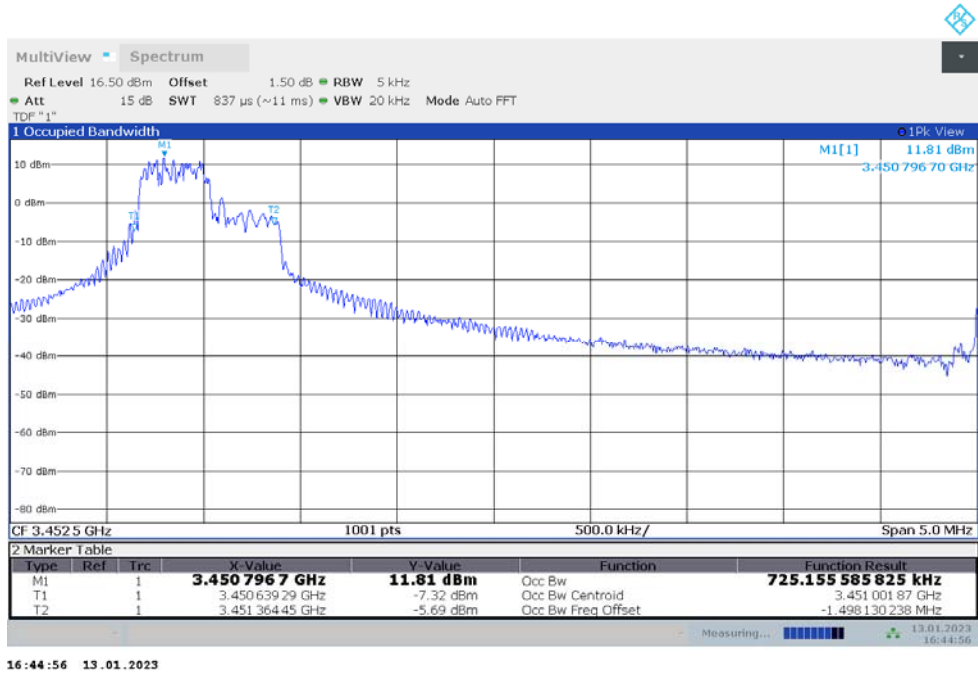
### ACLR



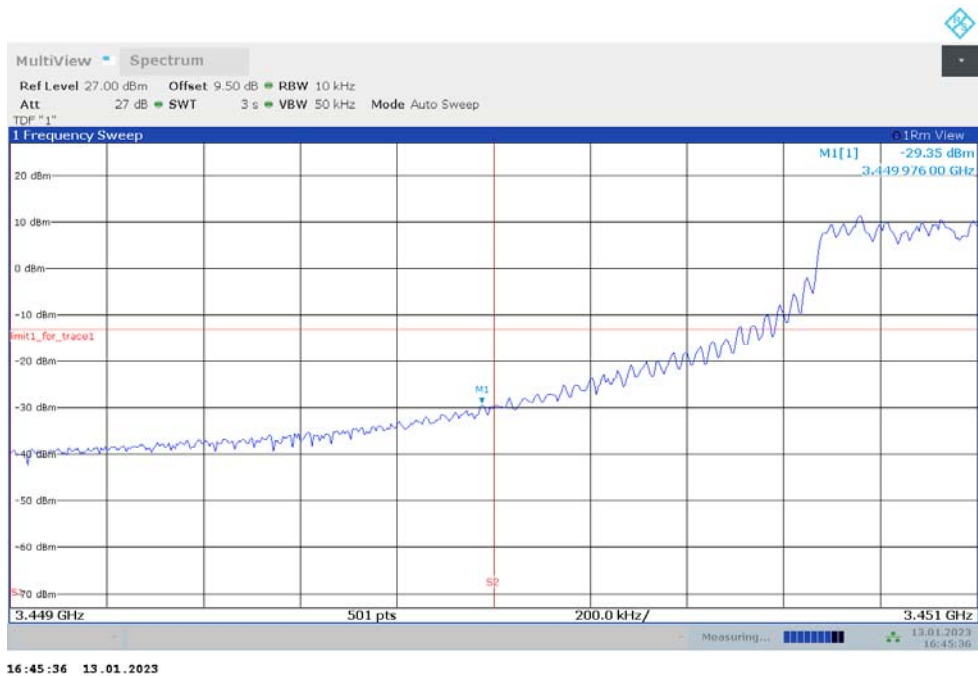
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### LTE Band 66+NR n77L

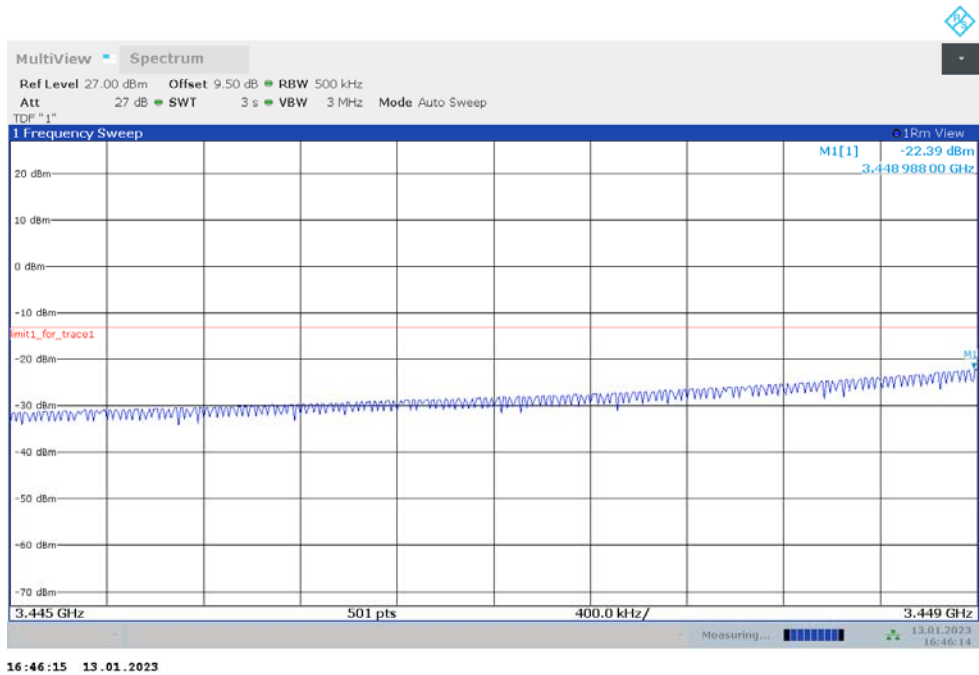
### OBW: 1RB-LOW\_offset



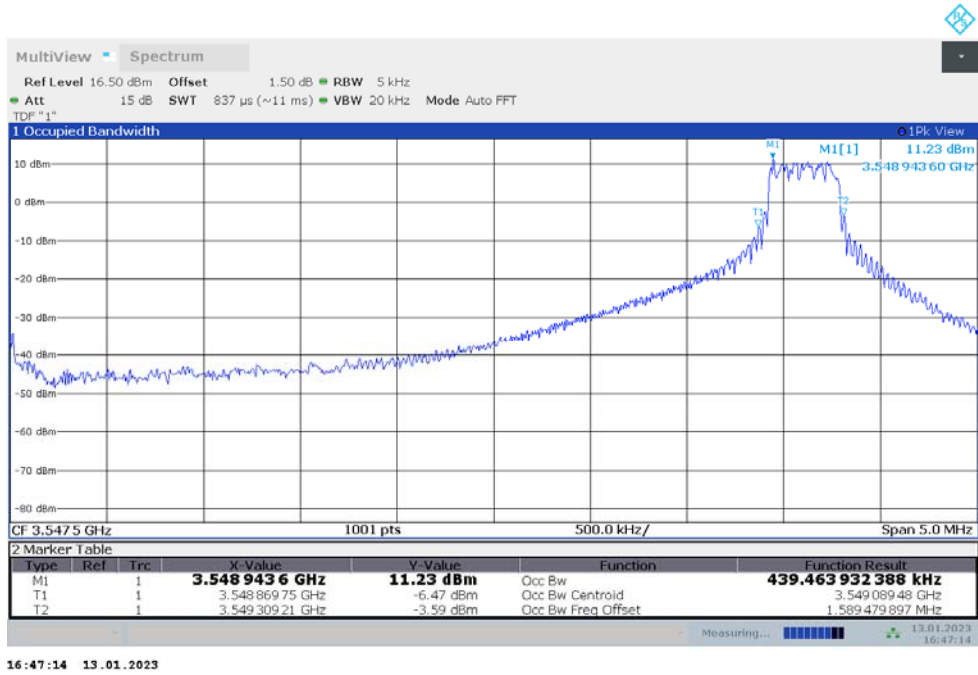
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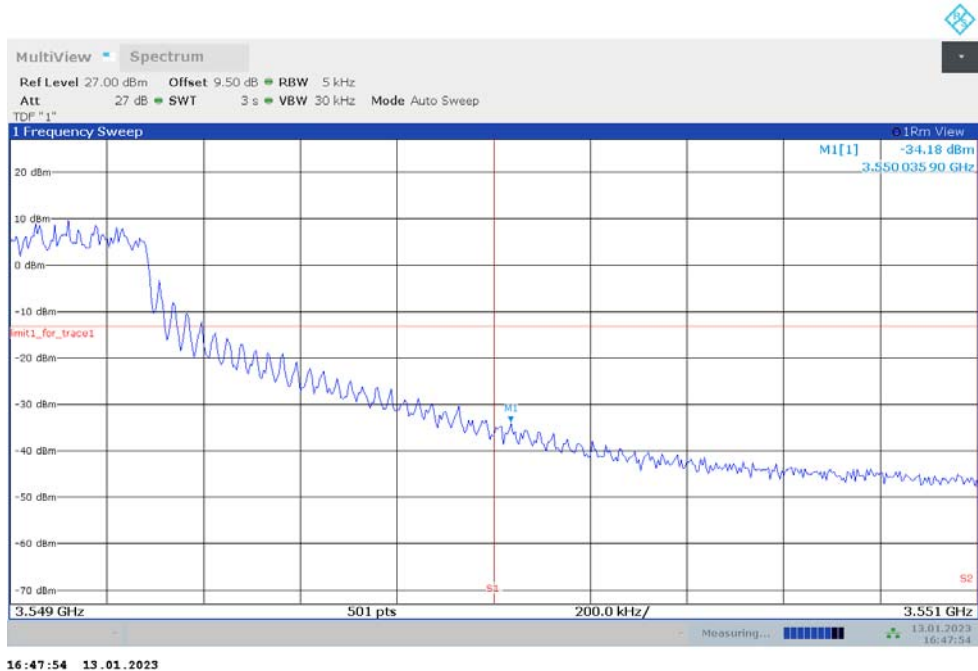
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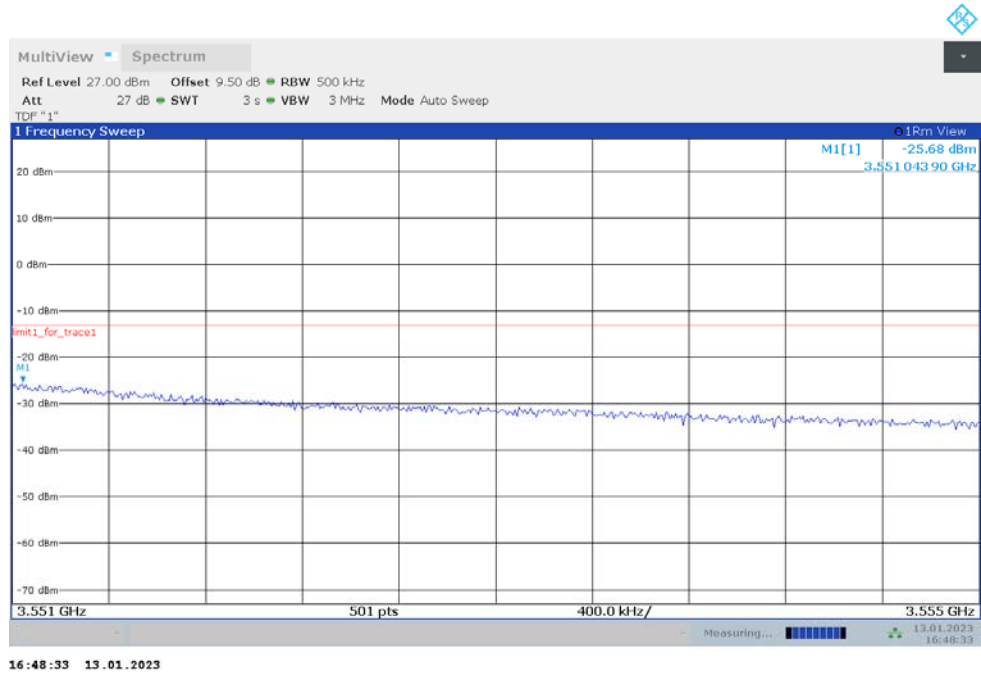
### OBW: 1RB-HIGH\_offset



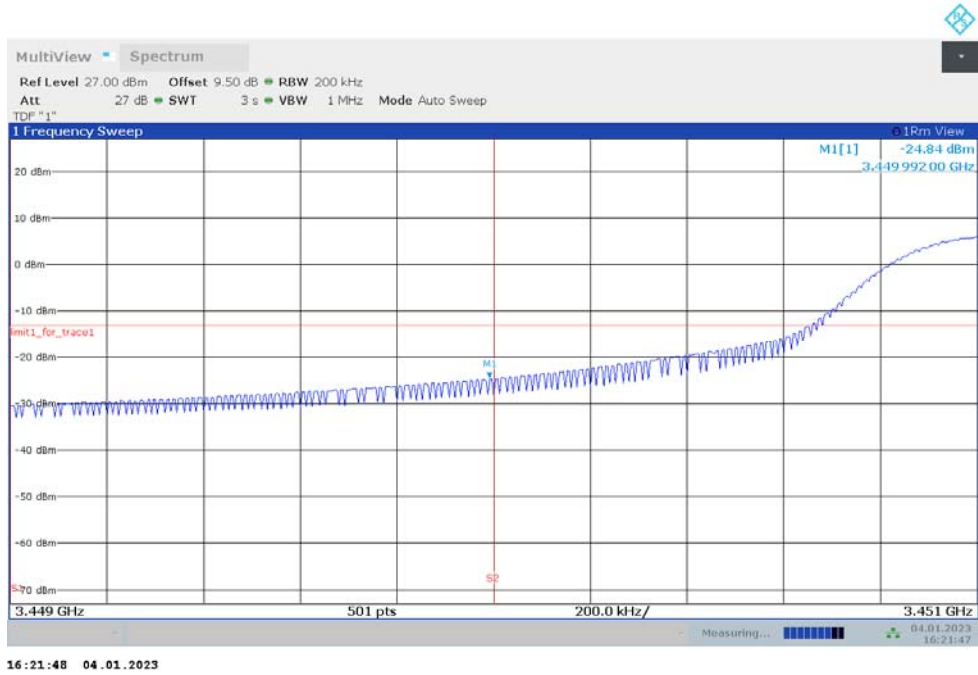
### HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



### HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



### LOW BAND EDGE BLOCK-90M-100%RB



### LOW BAND EDGE BLOCK-90M-100%RB

