

n77H

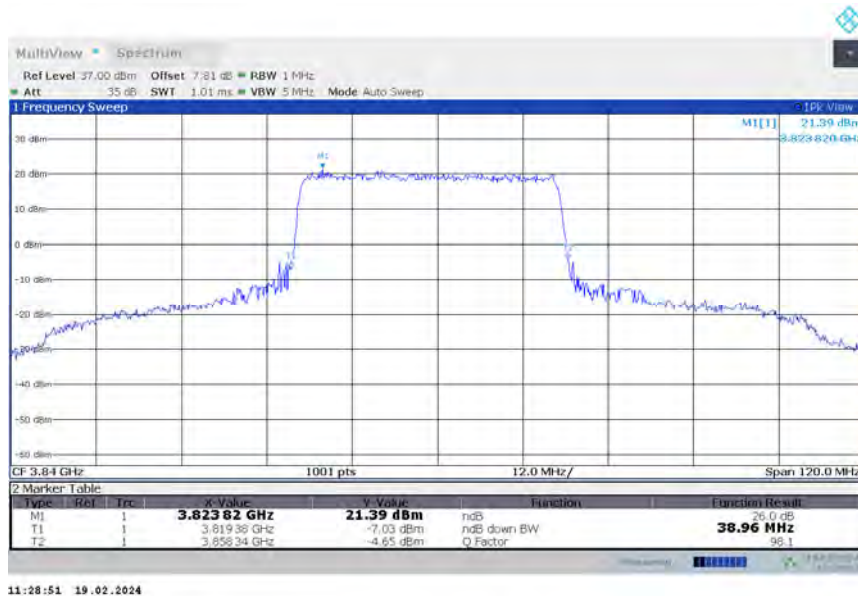
n77H,40MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	38.600	38.960

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



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



n77H

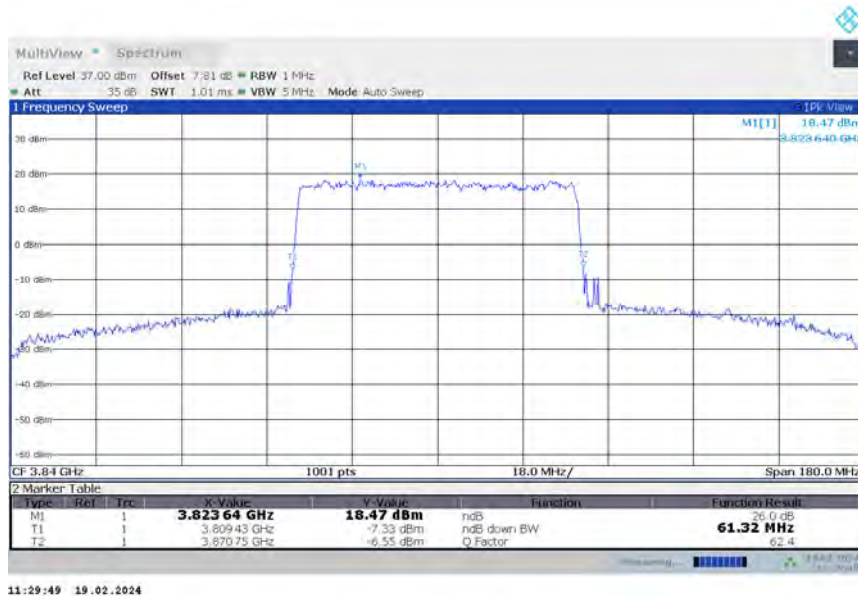
n77H,60MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	60.960	61.320

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



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



n77H

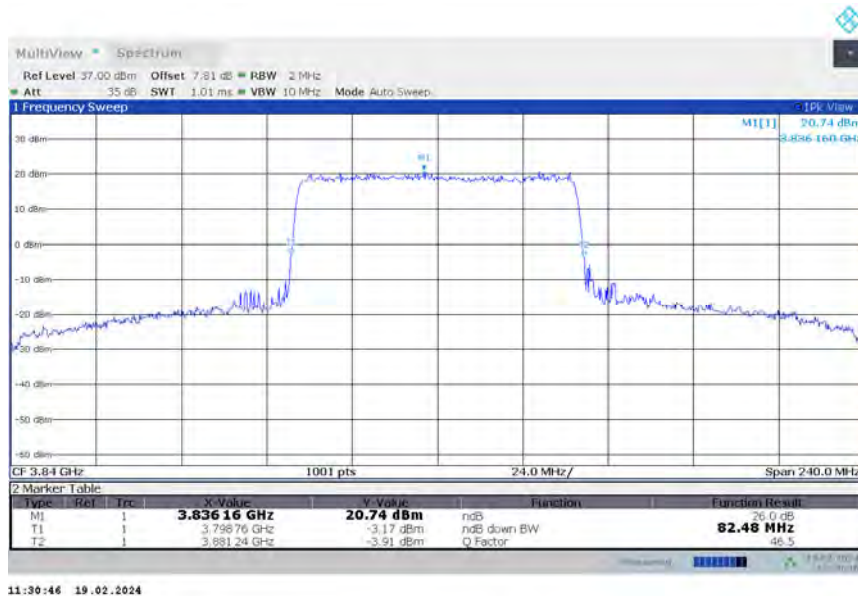
n77H,80MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	82.720	82.480

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



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

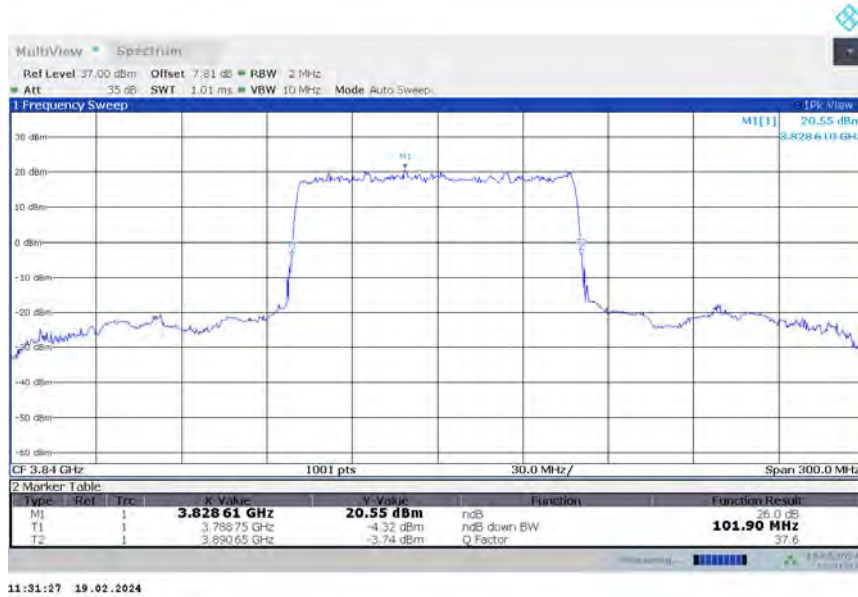


n77H

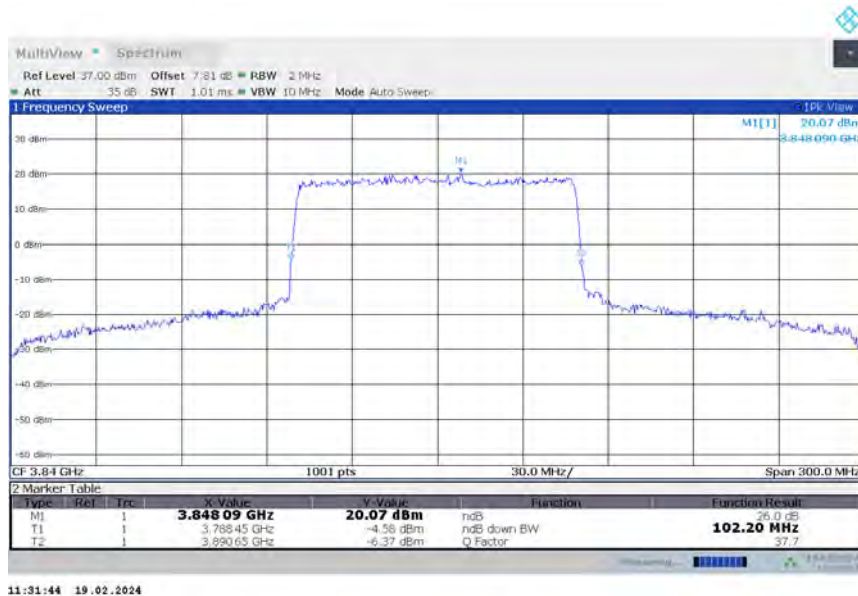
n77H,100MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	101.900	102.200

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



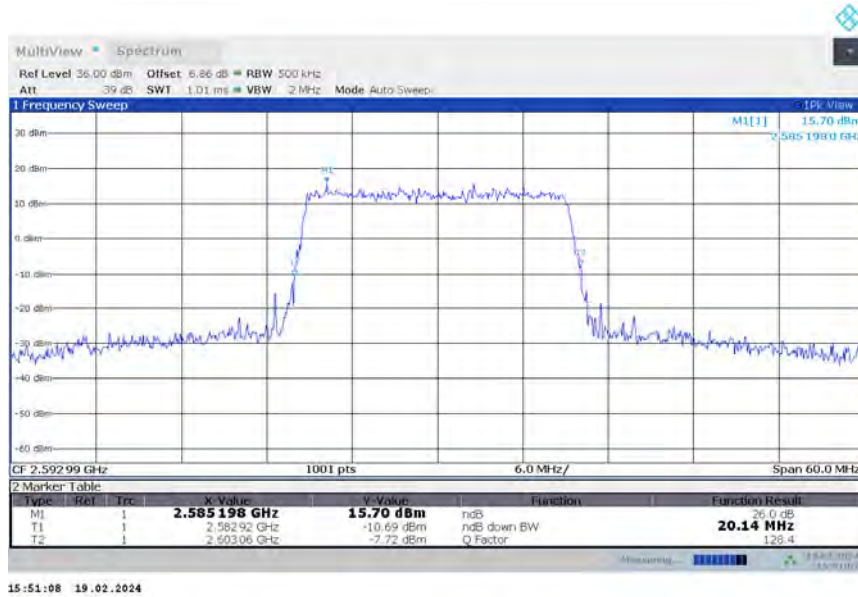
n77H,100MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



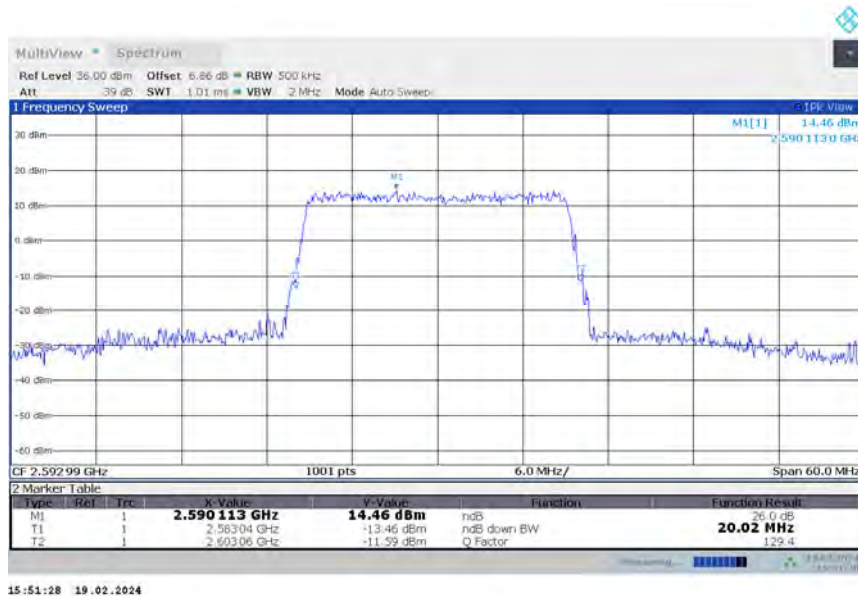
n41-MIMO
n41-MIMO,20MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	CP-QPSK	CP-16QAM
2592.99	20.140	20.020

n41,20MHz Bandwidth,CP-QPSK (-26dBc BW)



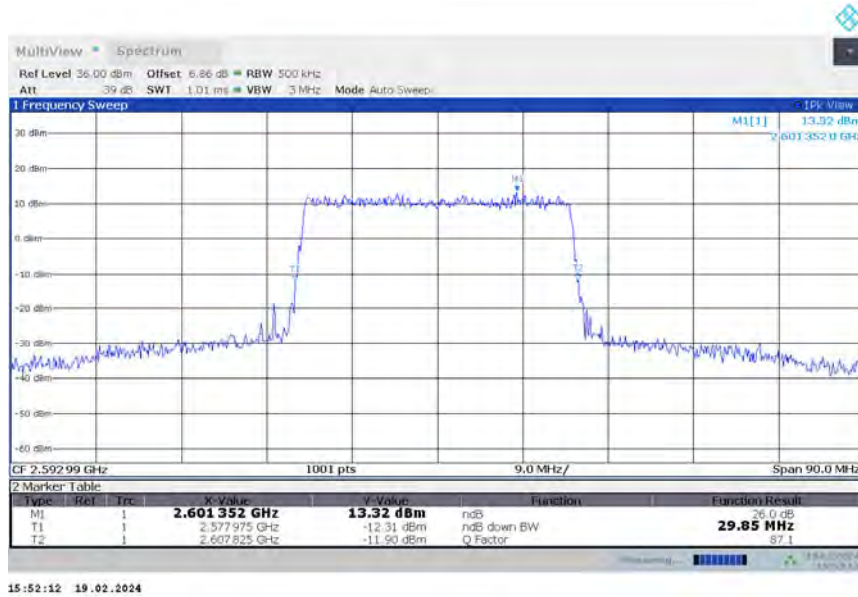
n41,20MHz Bandwidth,CP-16QAM (-26dBc BW)



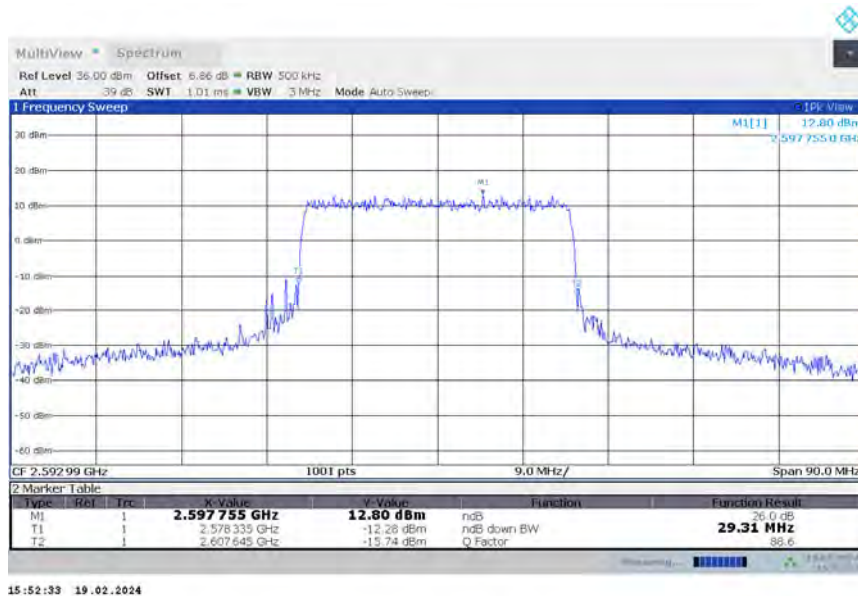
n41-MIMO
n41-MIMO,30MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	CP-QPSK	CP-16QAM
2592.99	29.850	29.311

n41,30MHz Bandwidth,CP-QPSK (-26dBc BW)



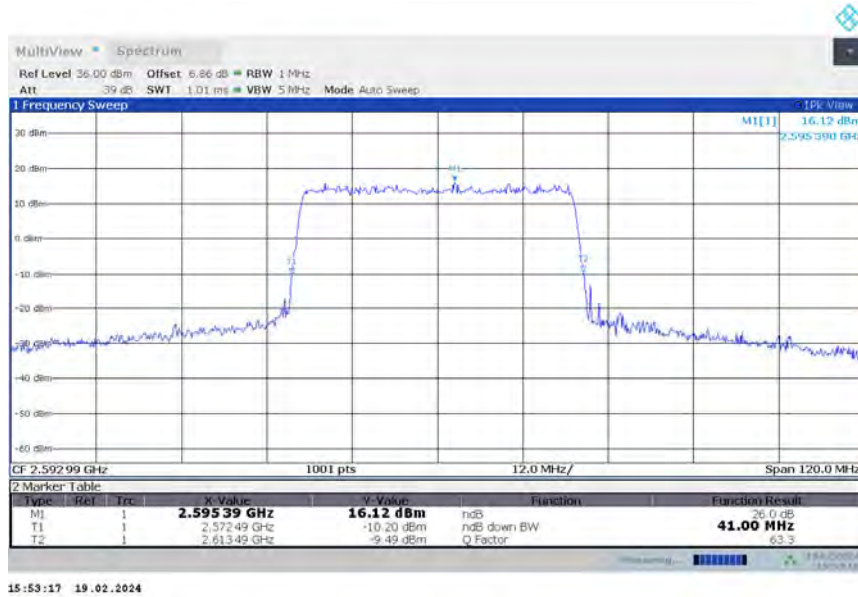
n41,30MHz Bandwidth,CP-16QAM (-26dBc BW)



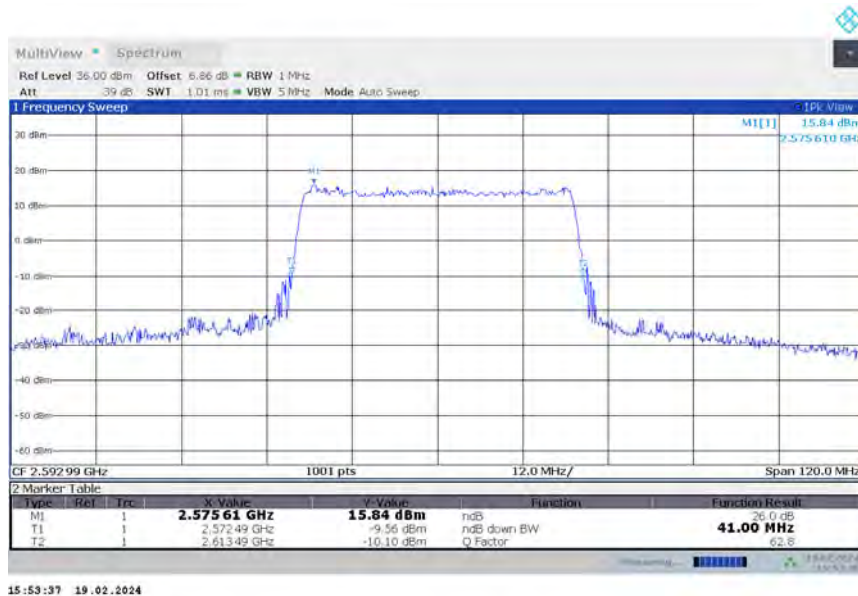
n41-MIMO
n41-MIMO,40MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	CP-QPSK	CP-16QAM
2592.99	41.000	41.000

n41,40MHz Bandwidth,CP-QPSK (-26dBc BW)



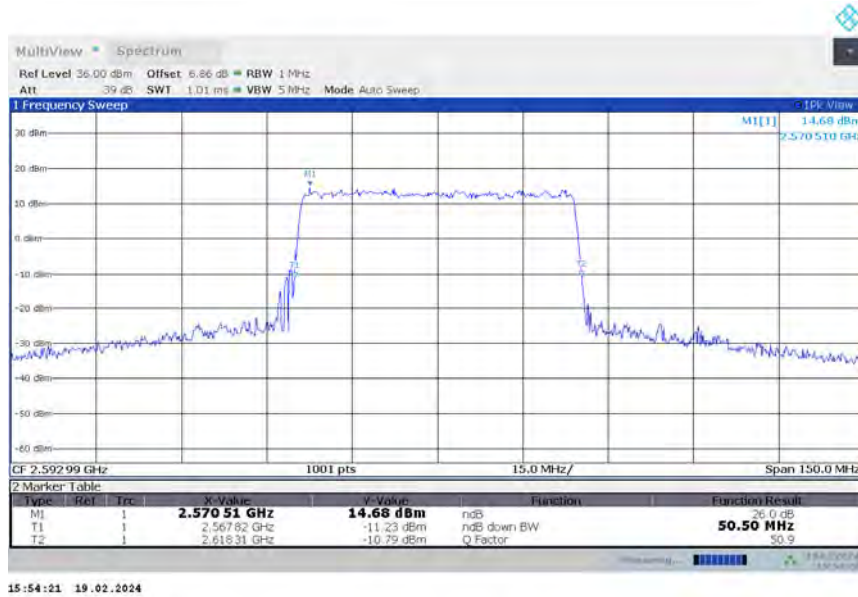
n41,40MHz Bandwidth,CP-16QAM (-26dBc BW)



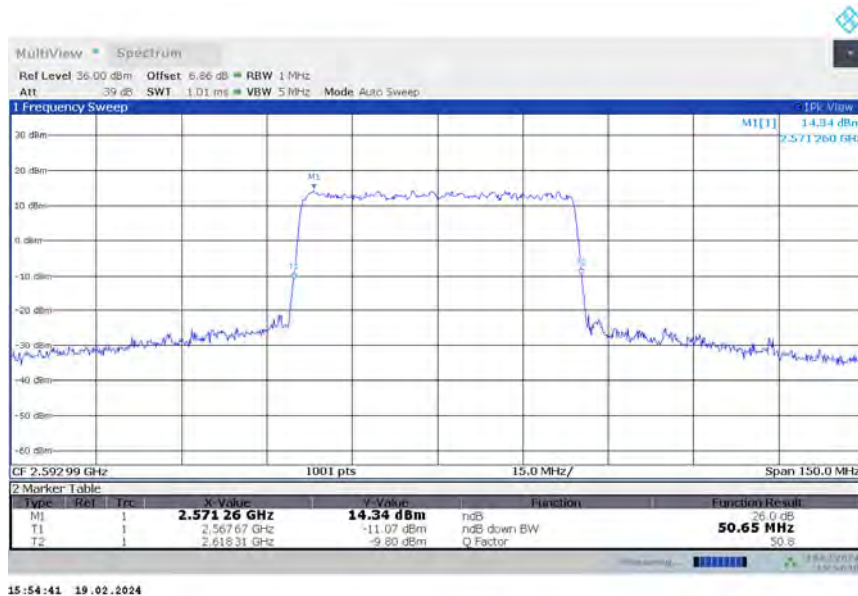
n41-MIMO
n41-MIMO,50MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	CP-QPSK	CP-16QAM
2592.99	50.500	50.650

n41,50MHz Bandwidth,CP-QPSK (-26dBc BW)



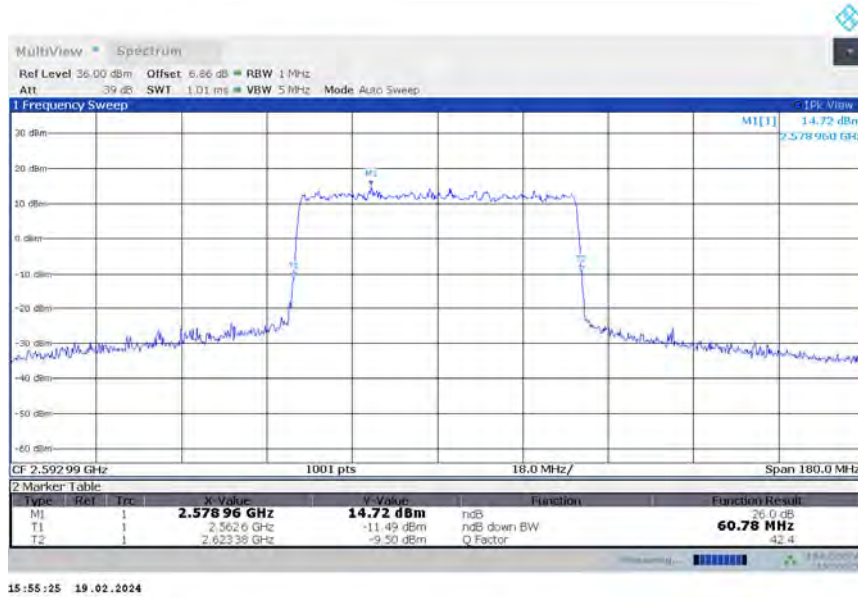
n41,50MHz Bandwidth,CP-16QAM (-26dBc BW)



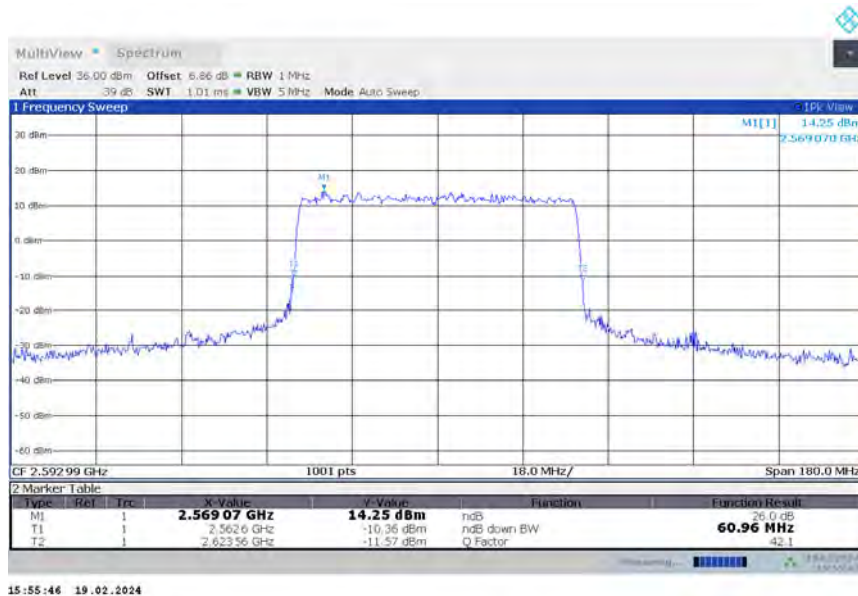
n41-MIMO
n41-MIMO,60MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	CP-QPSK	CP-16QAM
2592.99	60.780	60.960

n41,60MHz Bandwidth,CP-QPSK (-26dBc BW)



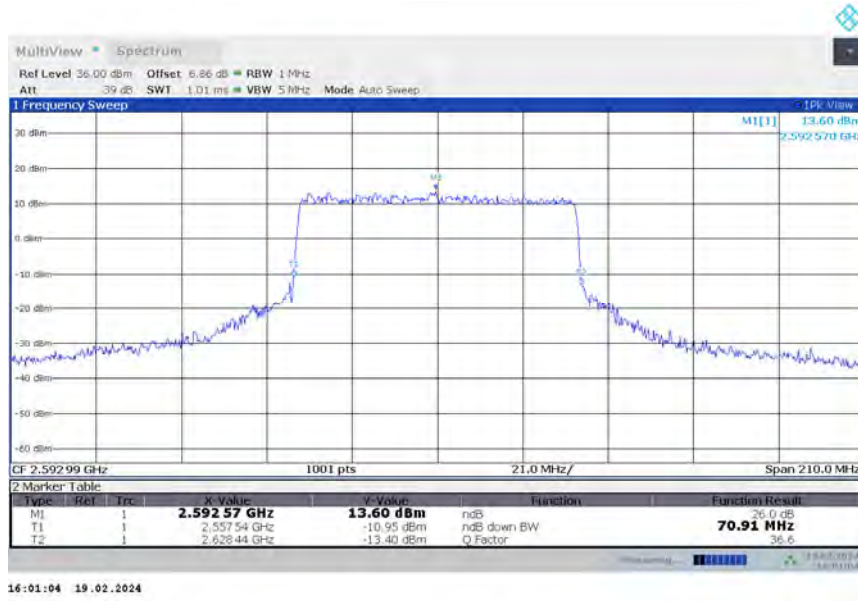
n41,60MHz Bandwidth,CP-16QAM (-26dBc BW)



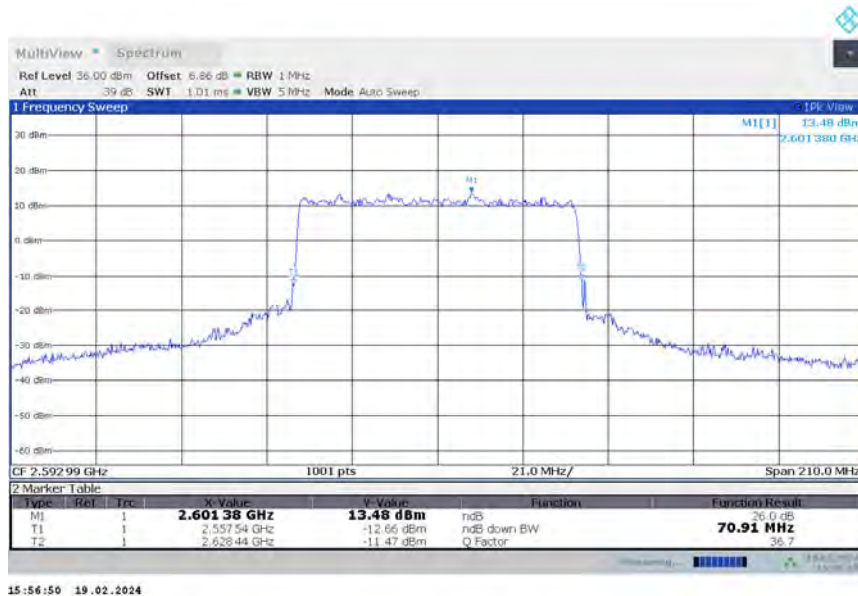
n41-MIMO
n41-MIMO,70MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	CP-QPSK	CP-16QAM
2592.99	70.910	70.910

n41,70MHz Bandwidth,CP-QPSK (-26dBc BW)



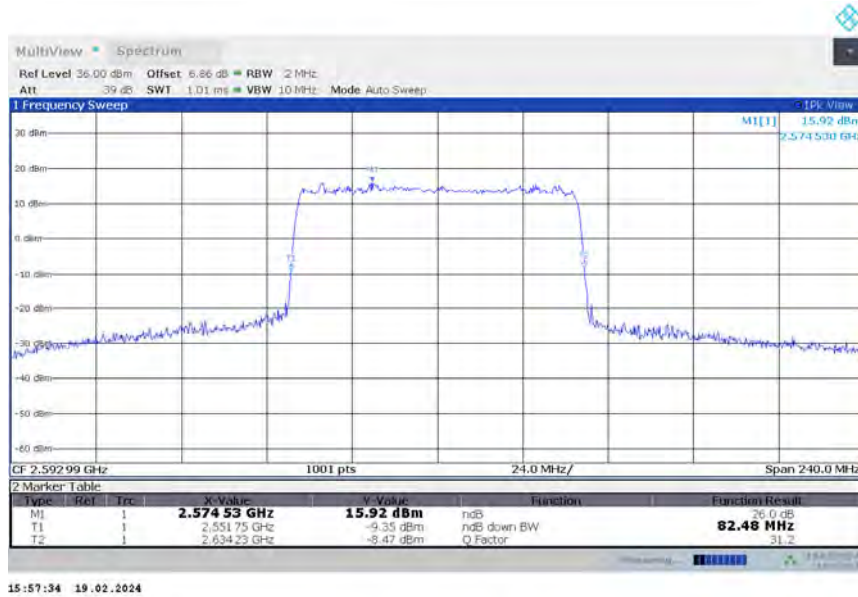
n41,70MHz Bandwidth,CP-16QAM (-26dBc BW)



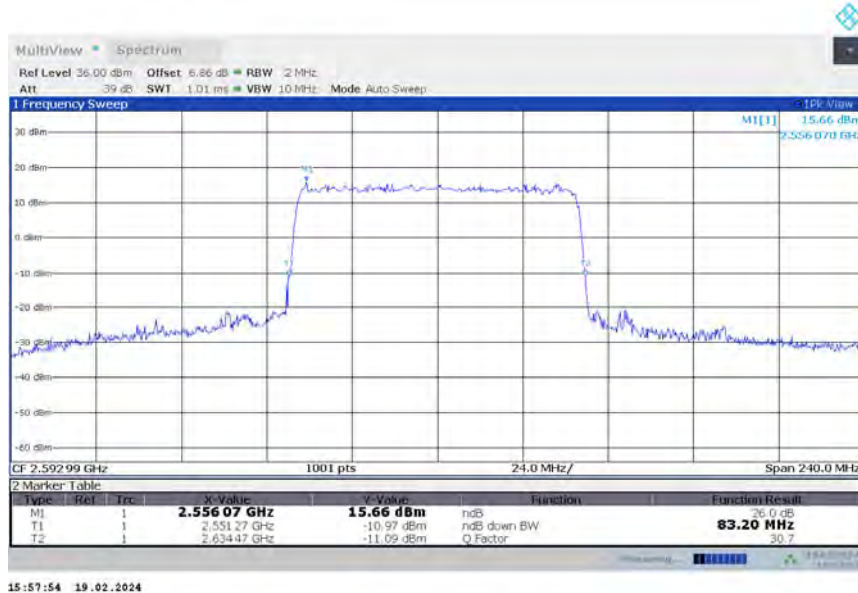
n41-MIMO
n41-MIMO,80MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	CP-QPSK	CP-16QAM
2592.99	82.480	83.200

n41,80MHz Bandwidth,CP-QPSK (-26dBc BW)



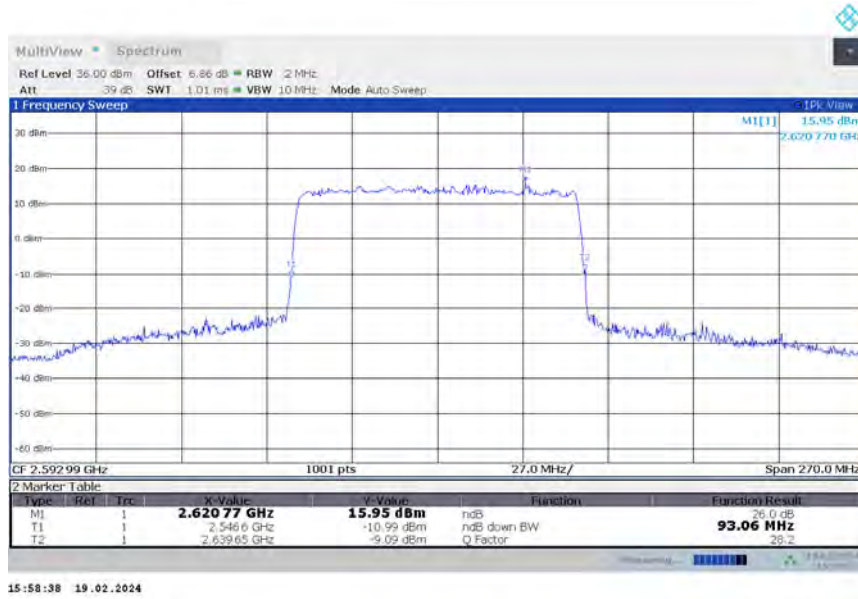
n41,80MHz Bandwidth,CP-16QAM (-26dBc BW)



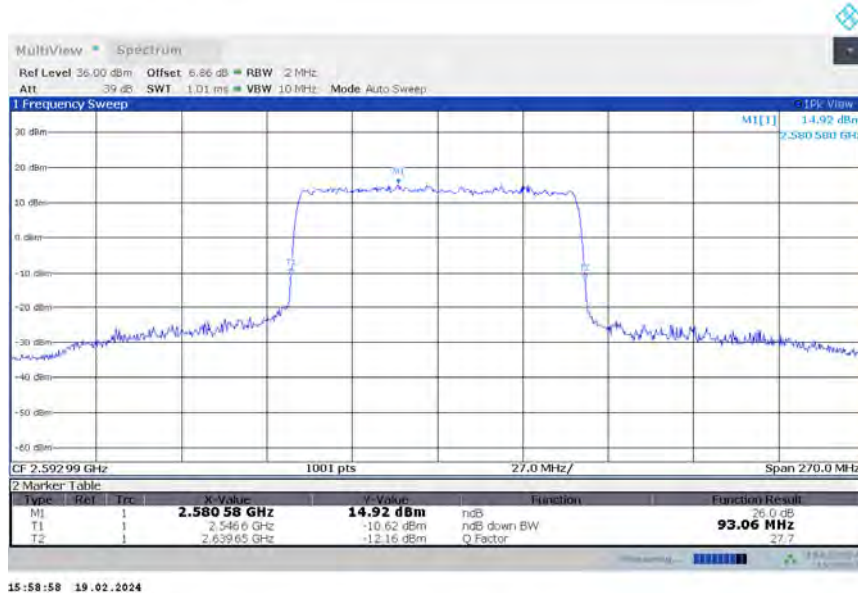
n41-MIMO
n41-MIMO,90MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	CP-QPSK	CP-16QAM
2592.99	93.060	93.060

n41,90MHz Bandwidth,CP-QPSK (-26dBc BW)



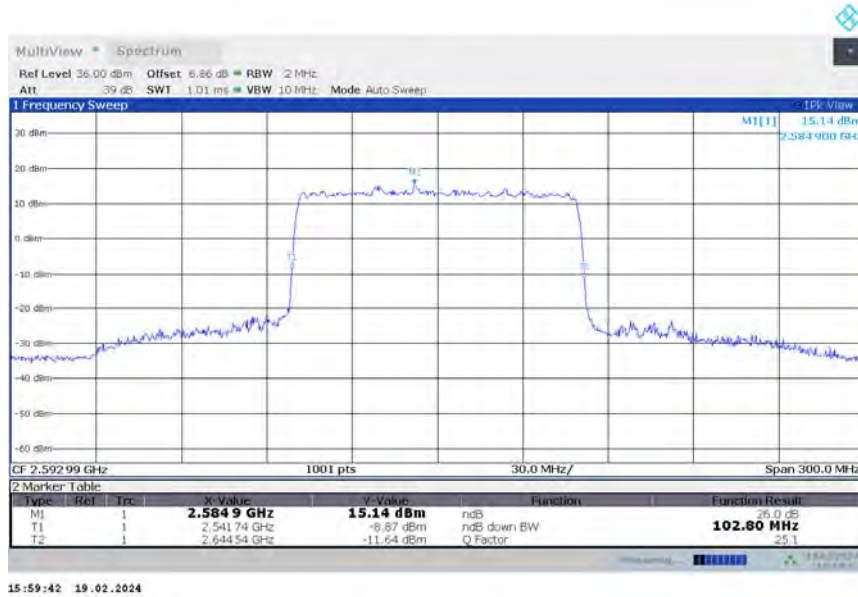
n41,90MHz Bandwidth,CP-16QAM (-26dBc BW)



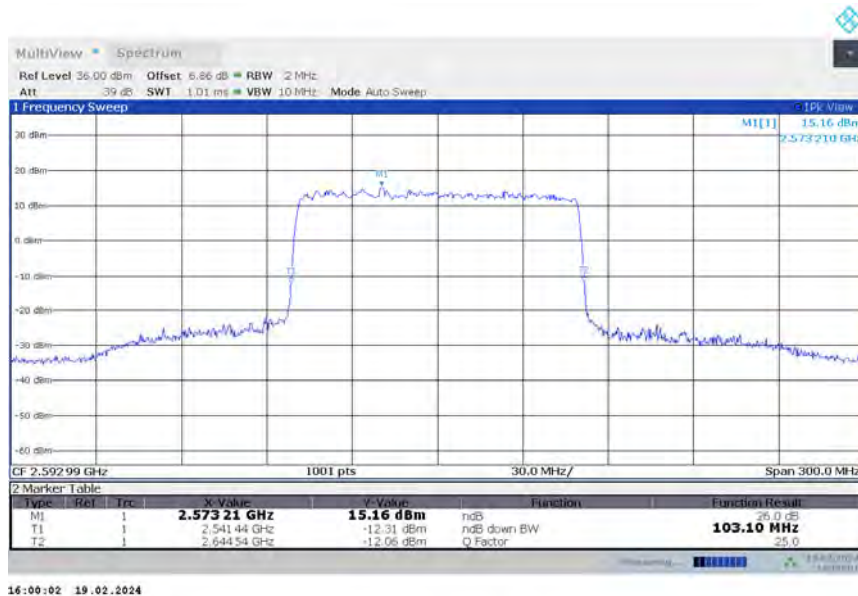
n41-MIMO
n41-MIMO,100MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	CP-QPSK	CP-16QAM
2592.99	102.800	103.100

n41,100MHz Bandwidth,CP-QPSK (-26dBc BW)



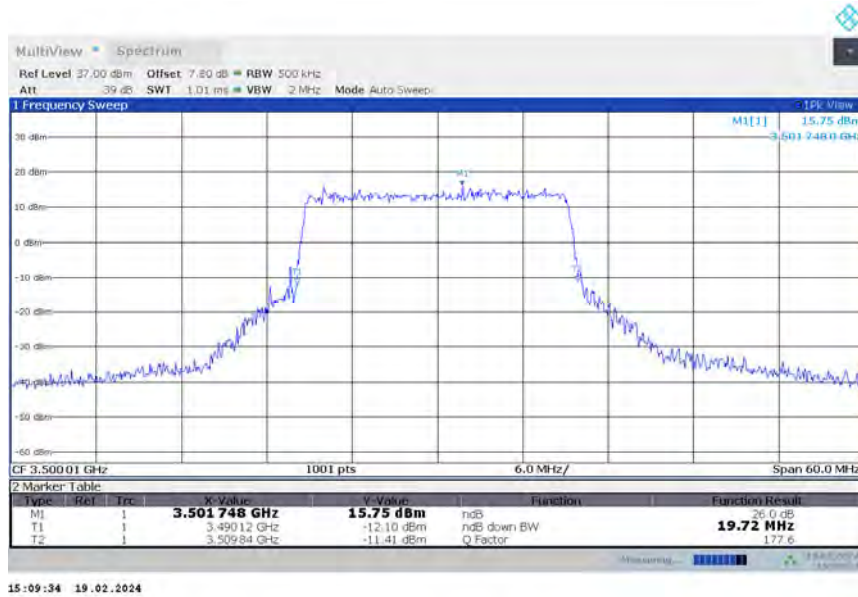
n41,100MHz Bandwidth,CP-16QAM (-26dBc BW)



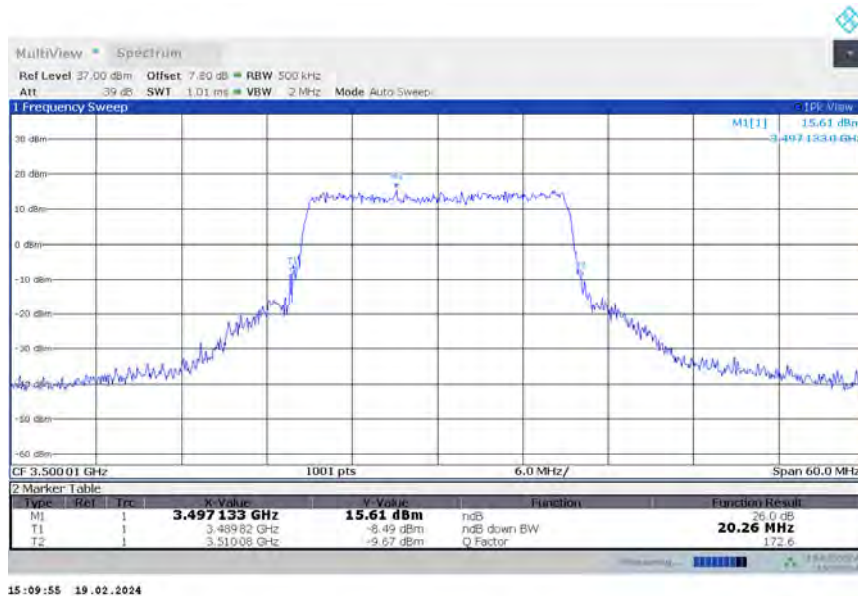
n77L-MIMO
n77L-MIMO,20MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	CP-QPSK	CP-16QAM
3500.01	19.720	20.260

n77L,20MHz Bandwidth,CP-QPSK (-26dBc BW)



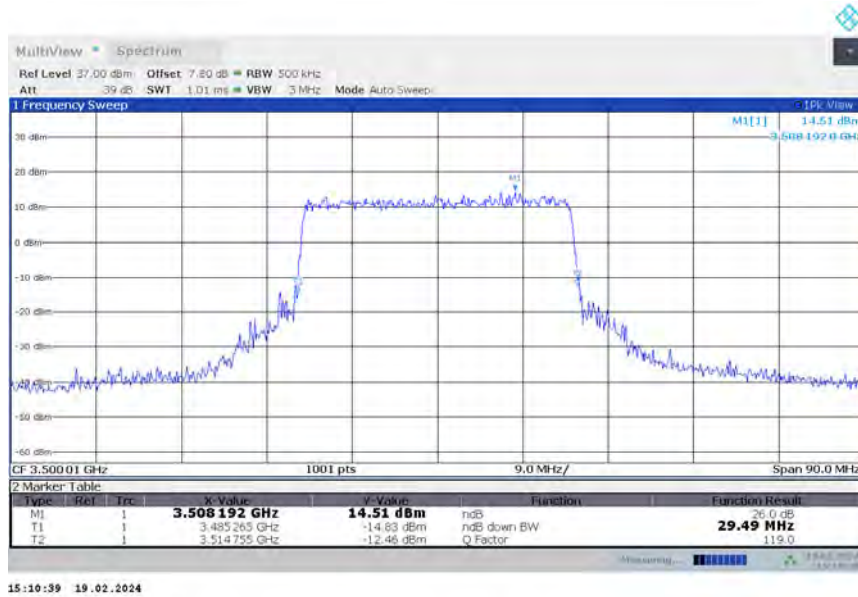
n77L,20MHz Bandwidth,CP-16QAM (-26dBc BW)



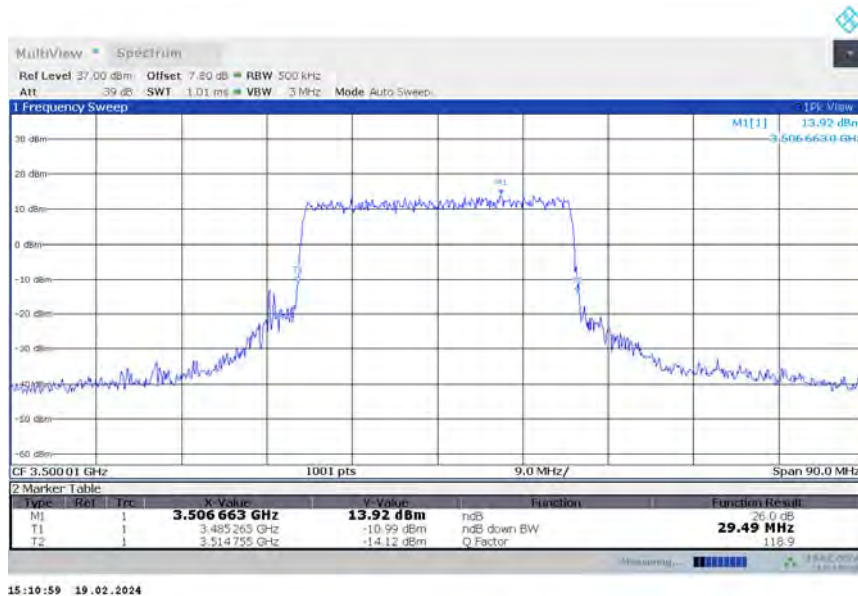
n77L-MIMO
n77L-MIMO,30MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	CP-QPSK	CP-16QAM
3500.01	29.491	29.491

n77L,30MHz Bandwidth,CP-QPSK (-26dBc BW)



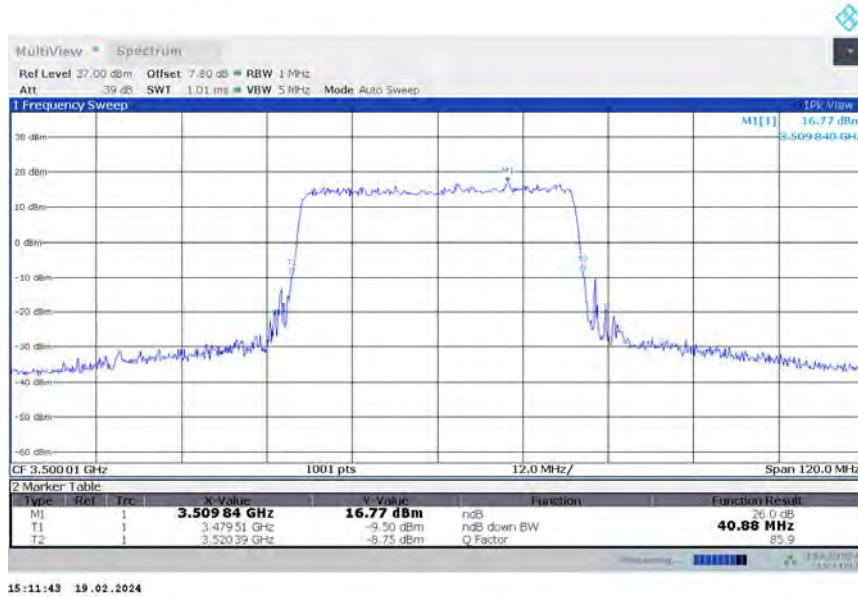
n77L,30MHz Bandwidth,CP-16QAM (-26dBc BW)



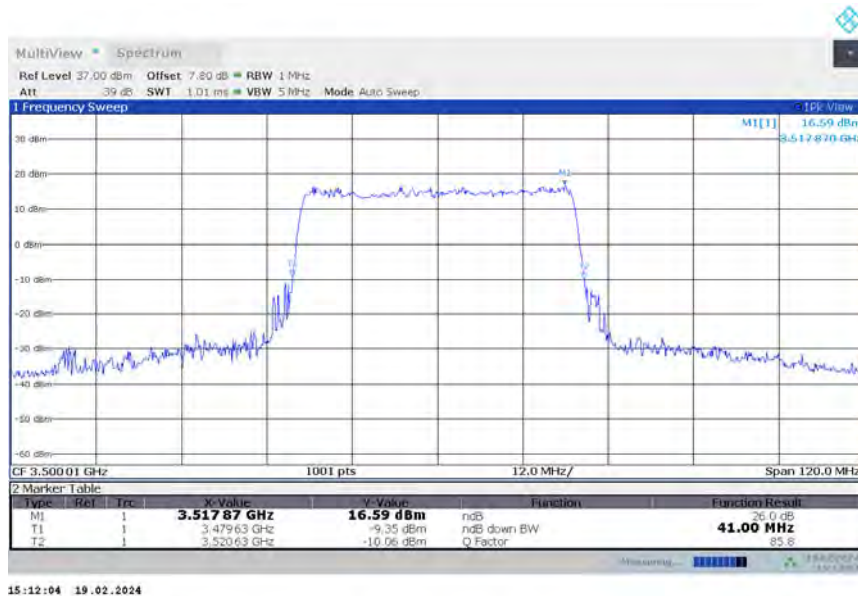
n77L-MIMO
n77L-MIMO,40MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	CP-QPSK	CP-16QAM
3500.01	40.880	41.000

n77L,40MHz Bandwidth,CP-QPSK (-26dBc BW)



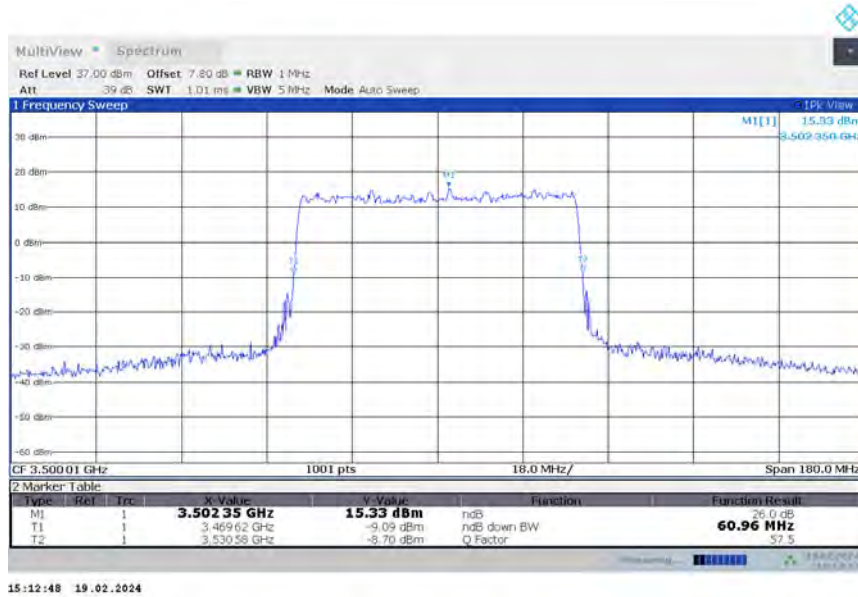
n77L,40MHz Bandwidth,CP-16QAM (-26dBc BW)



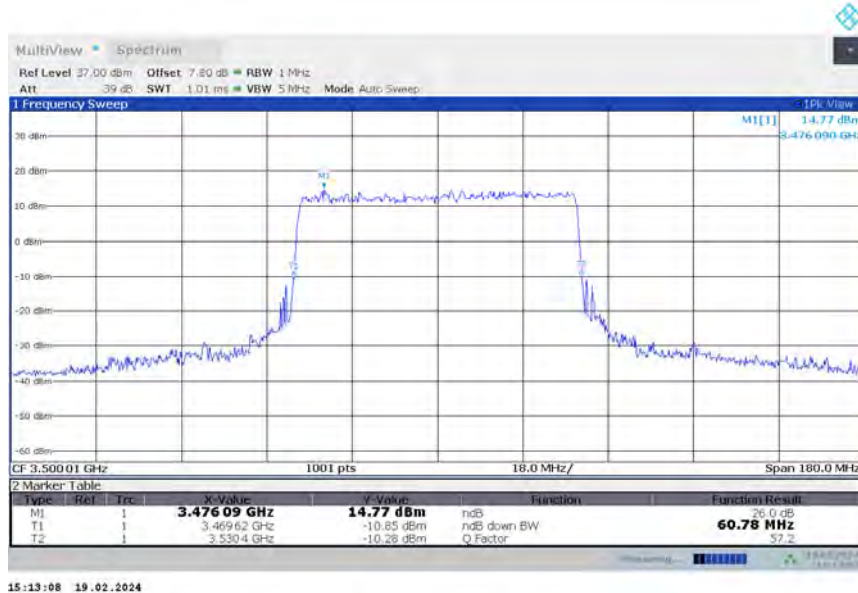
n77L-MIMO
n77L-MIMO,60MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	CP-QPSK	CP-16QAM
3500.01	60.960	60.780

n77L,60MHz Bandwidth,CP-QPSK (-26dBc BW)



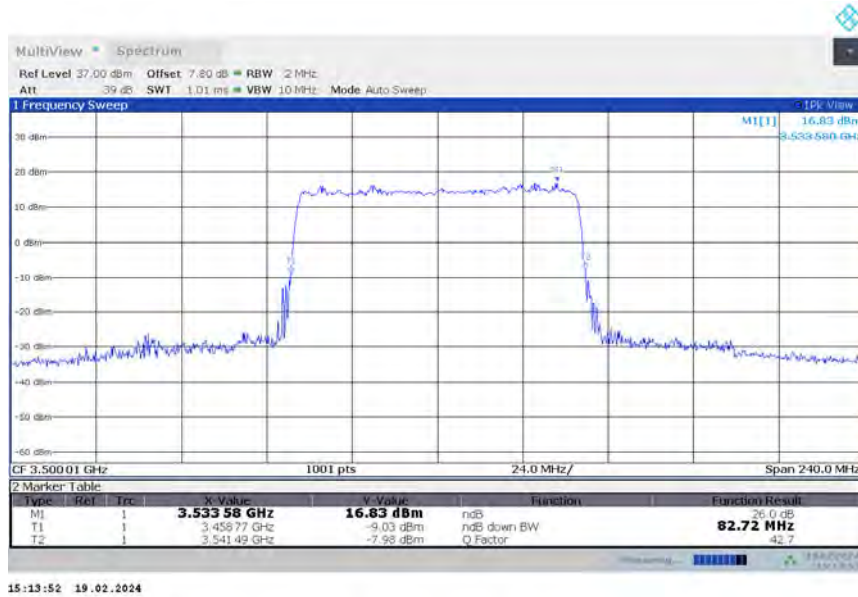
n77L,60MHz Bandwidth,CP-16QAM (-26dBc BW)



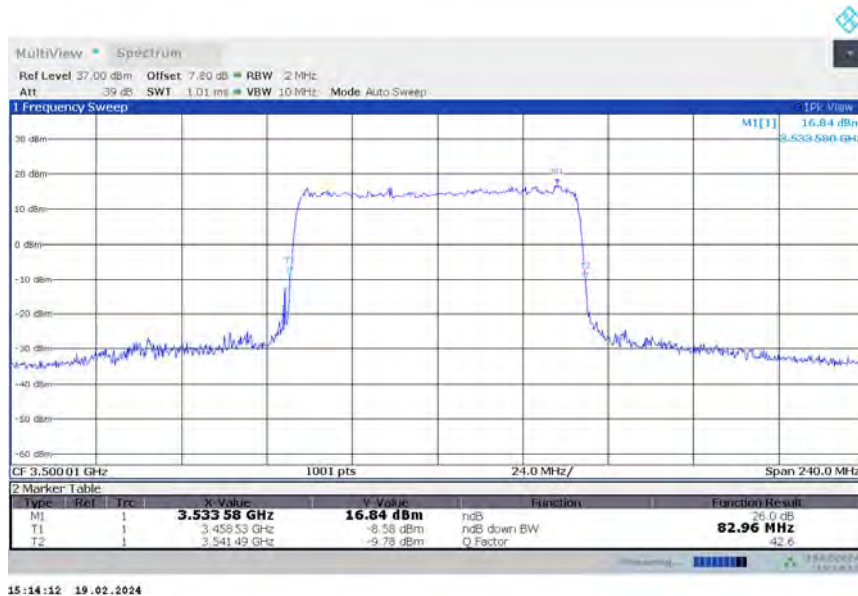
n77L-MIMO
n77L-MIMO,80MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	CP-QPSK	CP-16QAM
3500.01	82.720	82.960

n77L,80MHz Bandwidth,CP-QPSK (-26dBc BW)



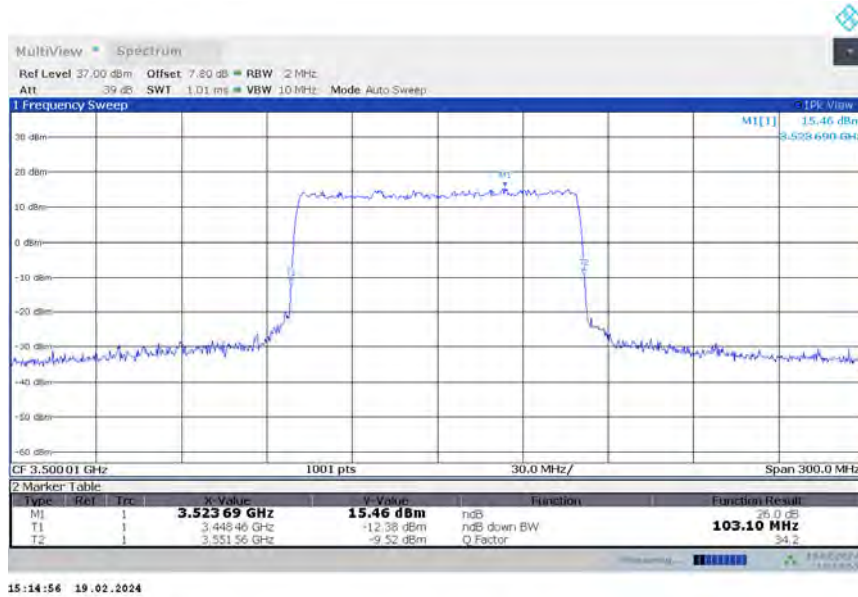
n77L,80MHz Bandwidth,CP-16QAM (-26dBc BW)



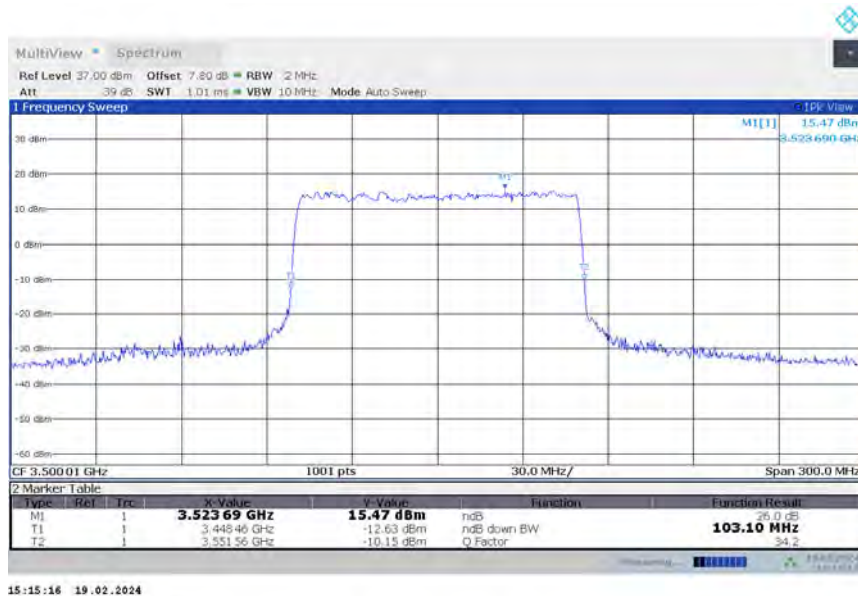
n77L-MIMO
n77L-MIMO,100MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	CP-QPSK	CP-16QAM
3500.01	103.100	103.100

n77L,100MHz Bandwidth,CP-QPSK (-26dBc BW)



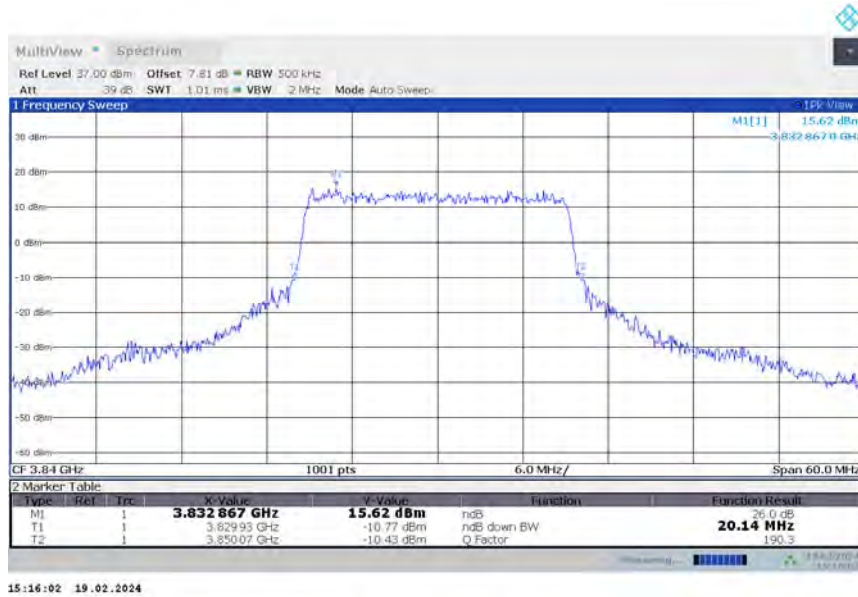
n77L,100MHz Bandwidth,CP-16QAM (-26dBc BW)



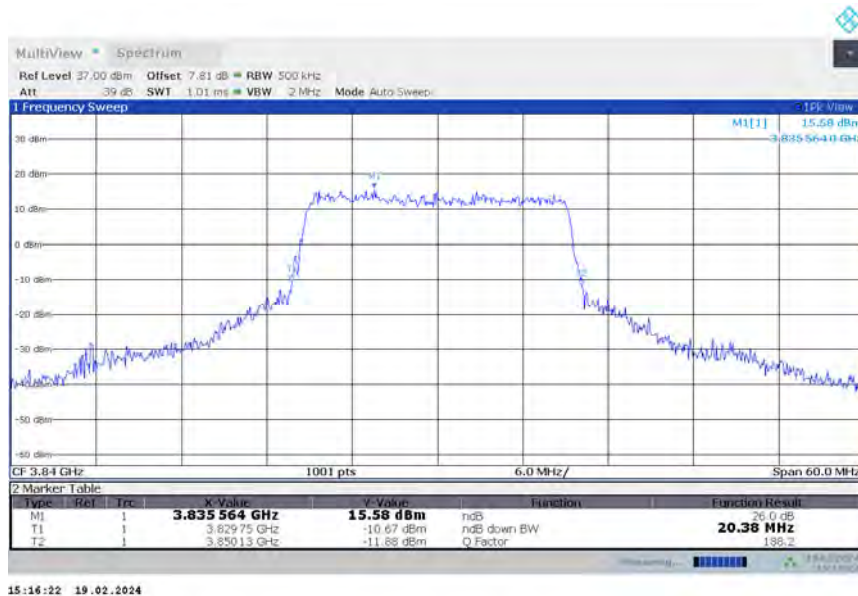
n77H-MIMO
n77H-MIMO,20MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	CP-QPSK	CP-16QAM
3840	20.140	20.380

n77H,20MHz Bandwidth,CP-QPSK (-26dBc BW)



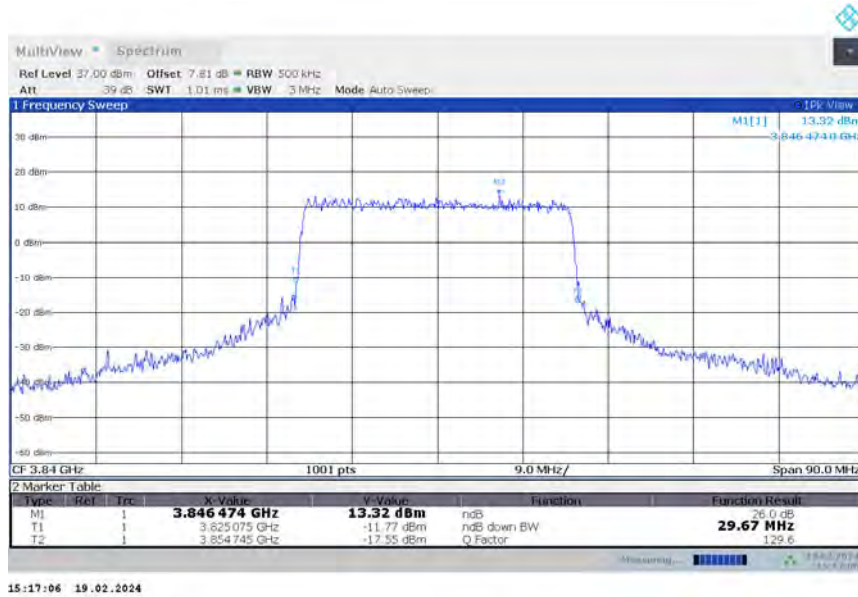
n77H,20MHz Bandwidth,CP-16QAM (-26dBc BW)



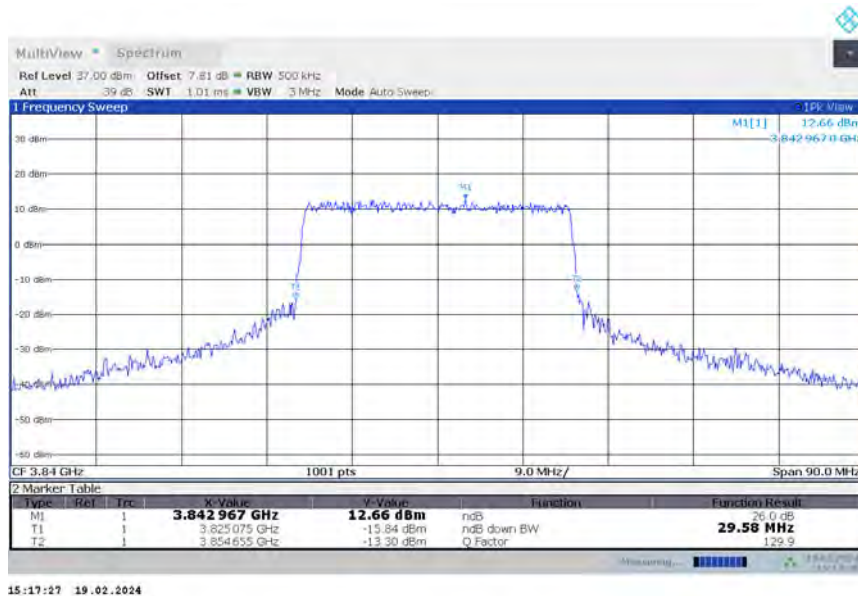
n77H-MIMO
n77H-MIMO,30MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	CP-QPSK	CP-16QAM
3840	29.670	29.580

n77H,30MHz Bandwidth,CP-QPSK (-26dBc BW)



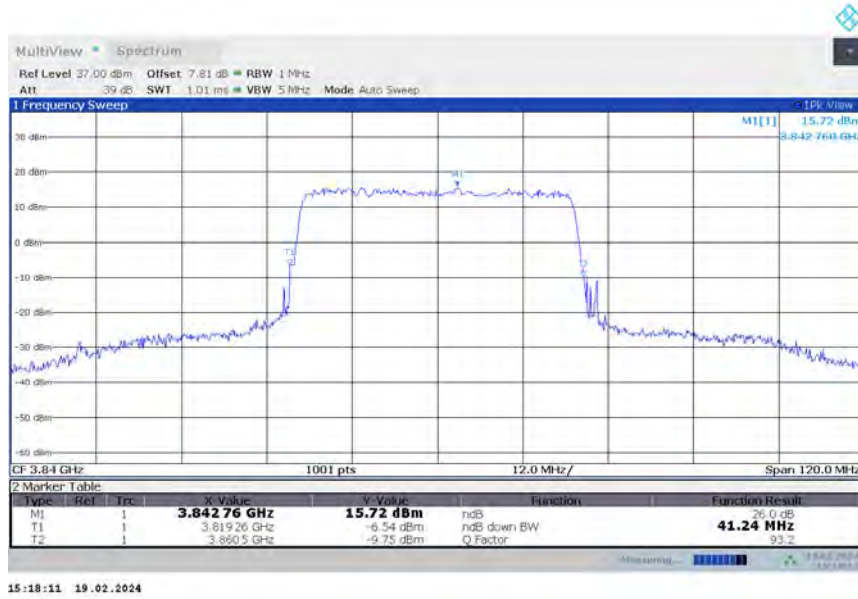
n77H,30MHz Bandwidth,CP-16QAM (-26dBc BW)



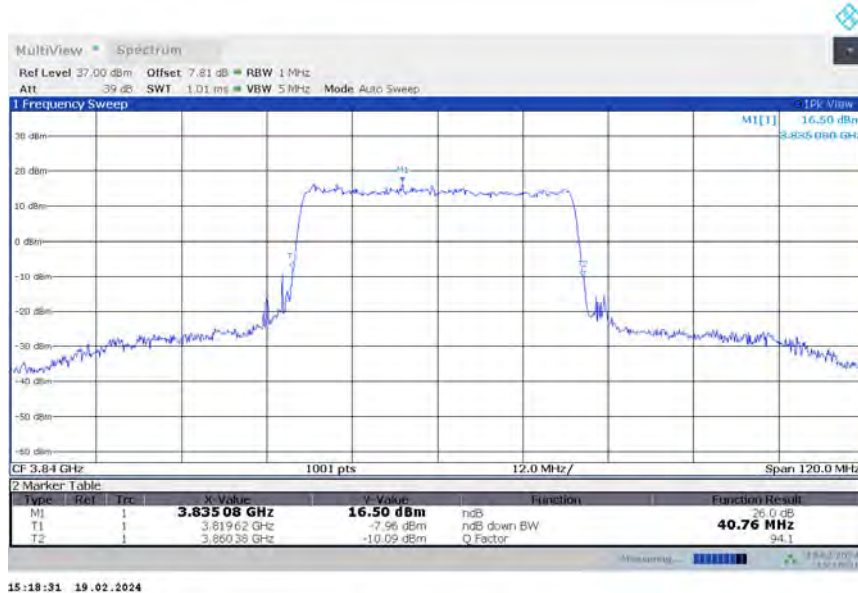
n77H-MIMO
n77H-MIMO,40MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	CP-QPSK	CP-16QAM
3840	41.240	40.760

n77H,40MHz Bandwidth,CP-QPSK (-26dBc BW)



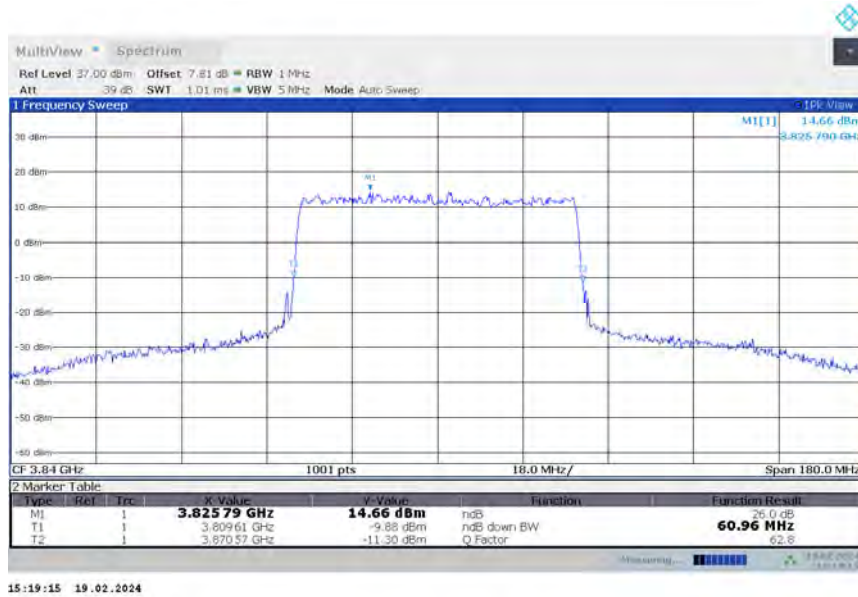
n77H,40MHz Bandwidth,CP-16QAM (-26dBc BW)



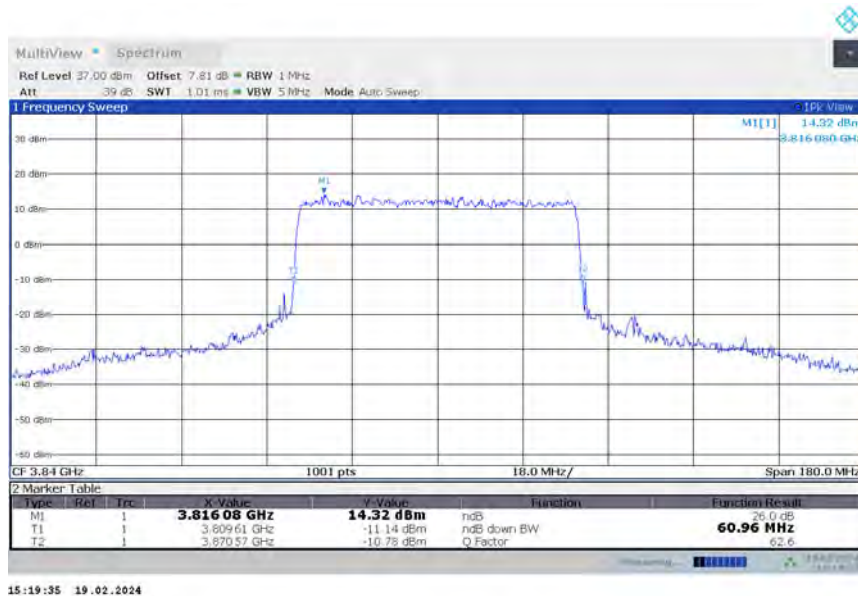
n77H-MIMO
n77H-MIMO,60MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	CP-QPSK	CP-16QAM
3840	60.960	60.960

n77H,60MHz Bandwidth,CP-QPSK (-26dBc BW)



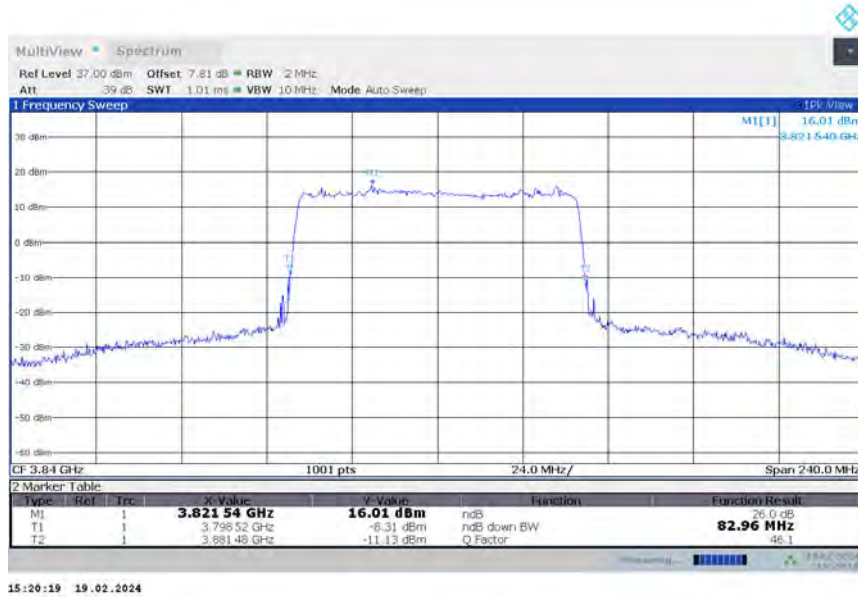
n77H,60MHz Bandwidth,CP-16QAM (-26dBc BW)



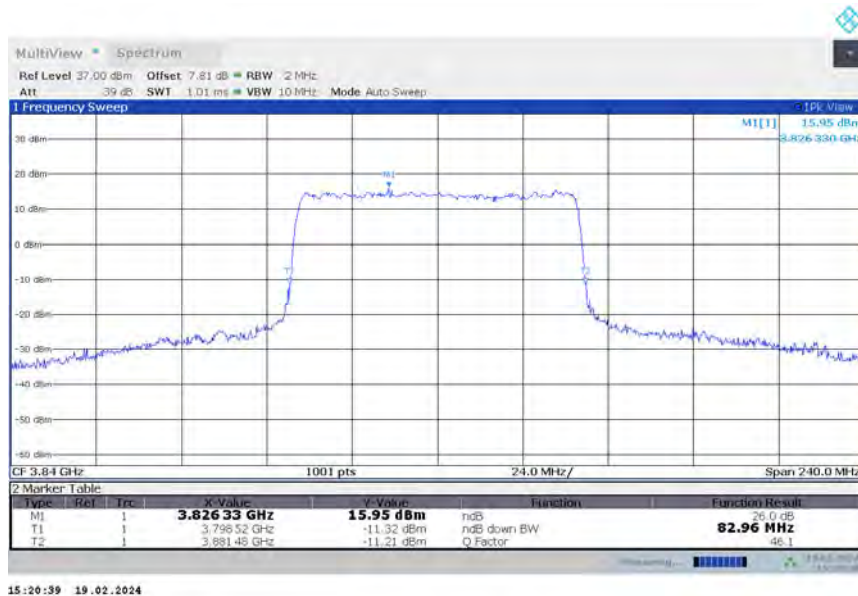
n77H-MIMO
n77H-MIMO,80MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	CP-QPSK	CP-16QAM
3840	82.960	82.960

n77H,80MHz Bandwidth,CP-QPSK (-26dBc BW)



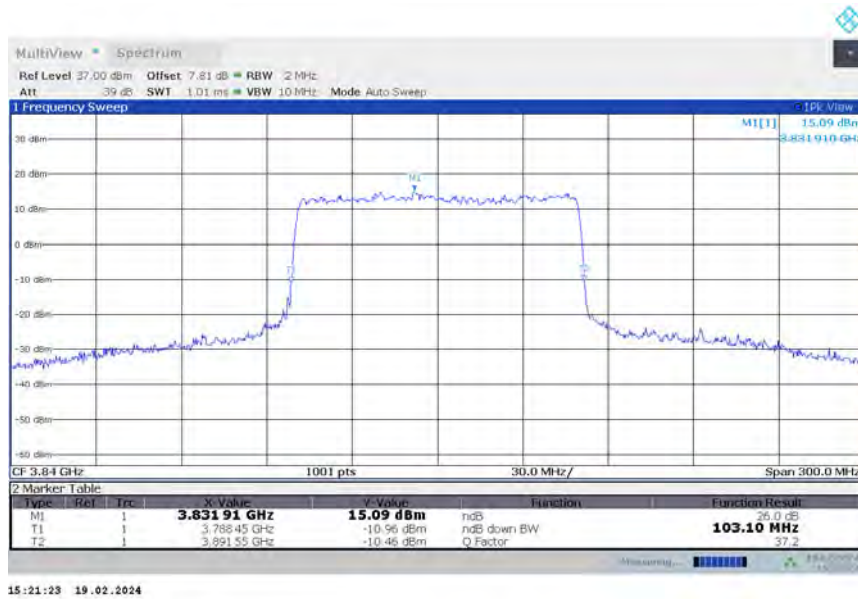
n77H,80MHz Bandwidth,CP-16QAM (-26dBc BW)



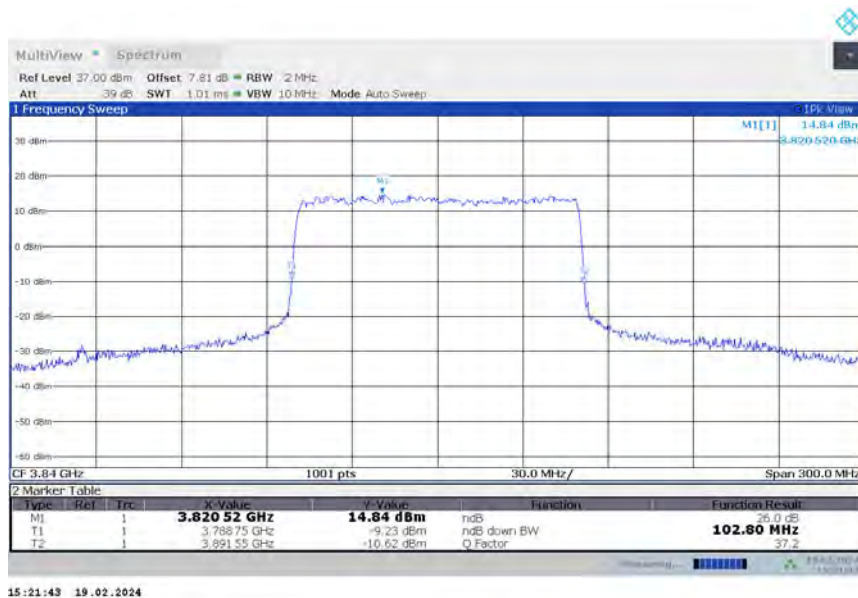
n77H-MIMO
n77H-MIMO,100MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	CP-QPSK	CP-16QAM
3840	103.100	102.800

n77H,100MHz Bandwidth,CP-QPSK (-26dBc BW)



n77H,100MHz Bandwidth,CP-16QAM (-26dBc BW)



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

A.6 Band Edge Compliance

A.6.1 Measurement limit

Part 24.238 and Part 27.53(h) specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

Part 27.53(m) specifies for mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Part 27.53(g) states for operations in the 600 MHz band and the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

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.

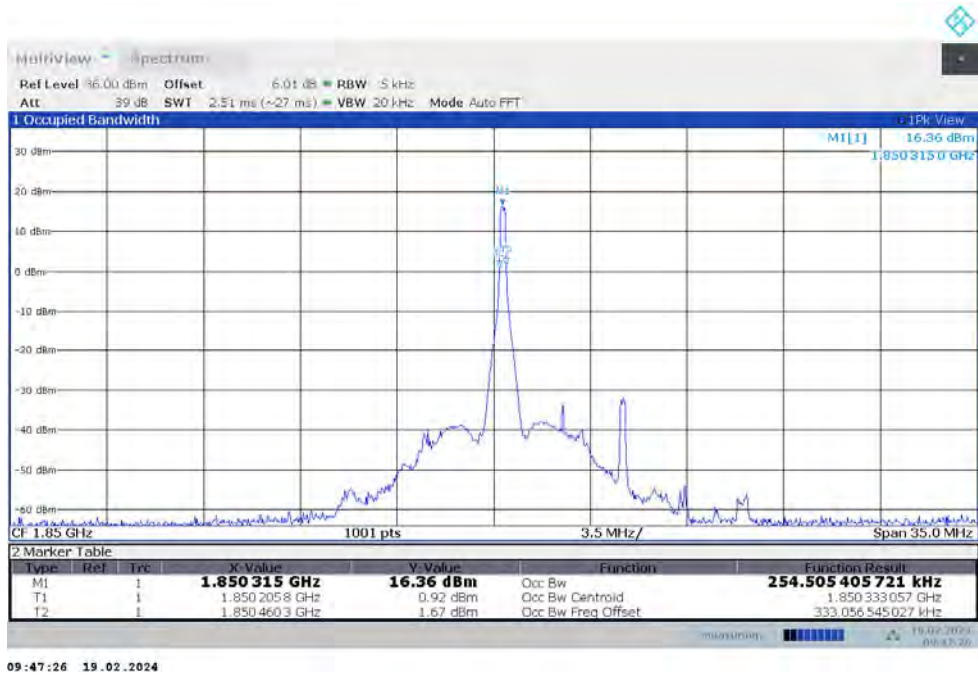
Part 27.53(l) states for mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth 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



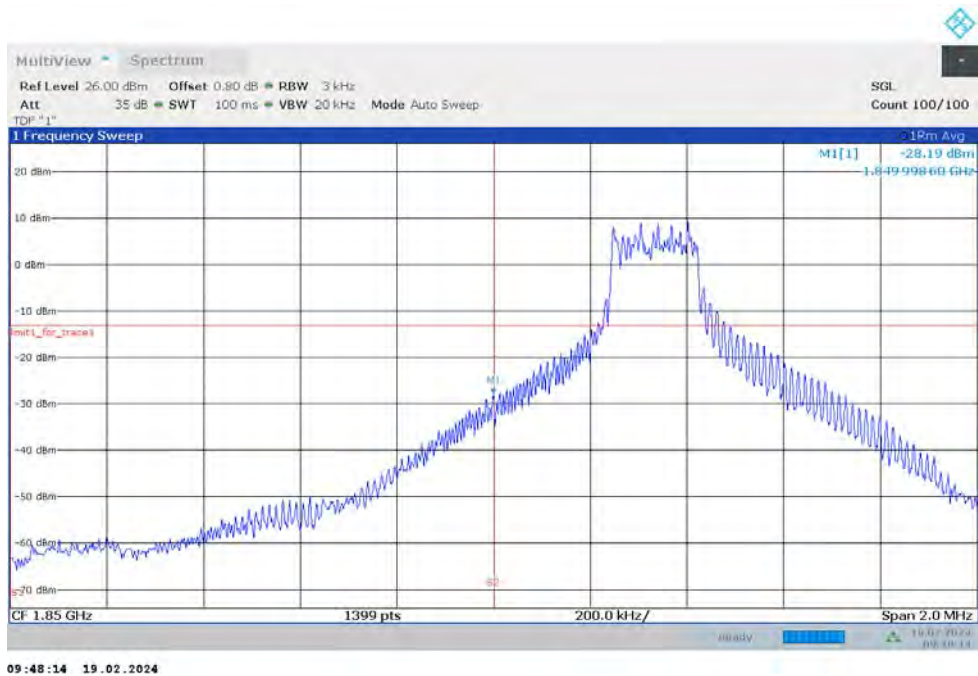
be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

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

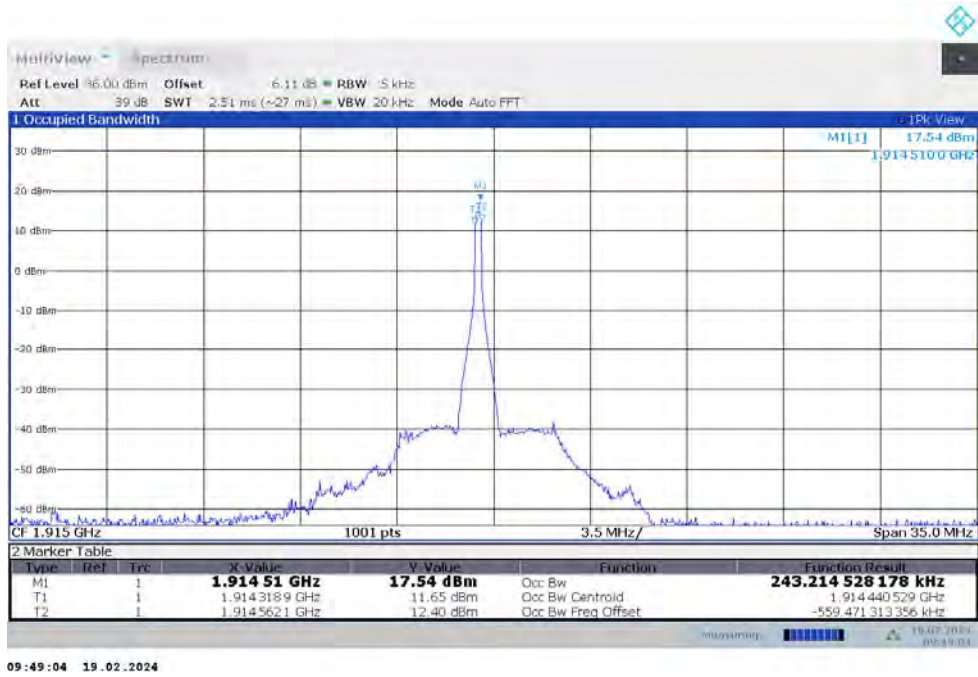
A.6.2 Measurement result
NR n25
OBW: 1RB-LOW_offset



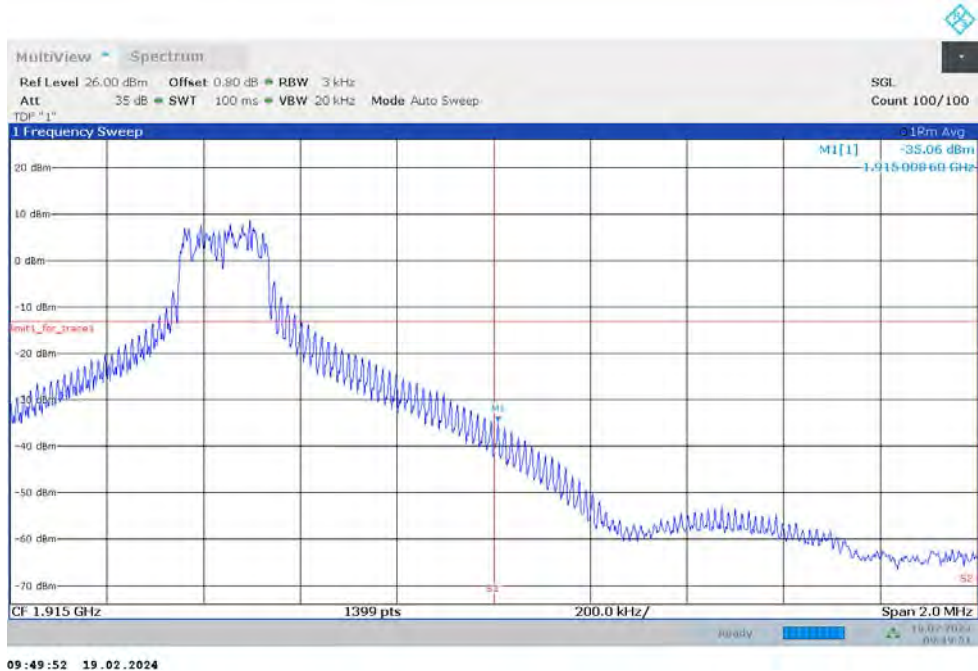
LOW BAND EDGE BLOCK-1RB-LOW_offset



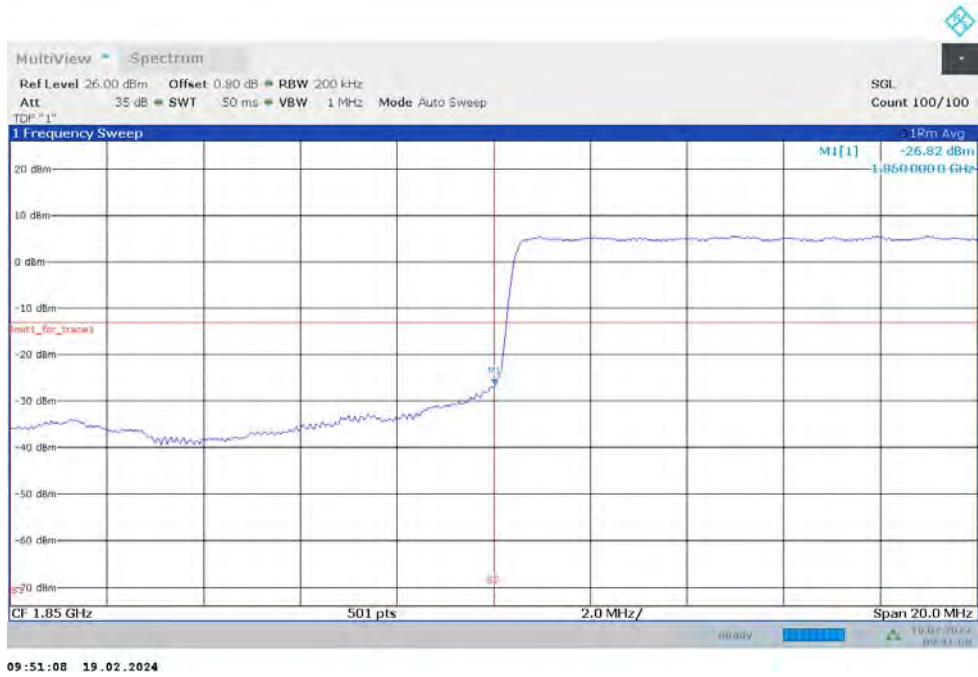
OBW: 1RB-HIGH_offset



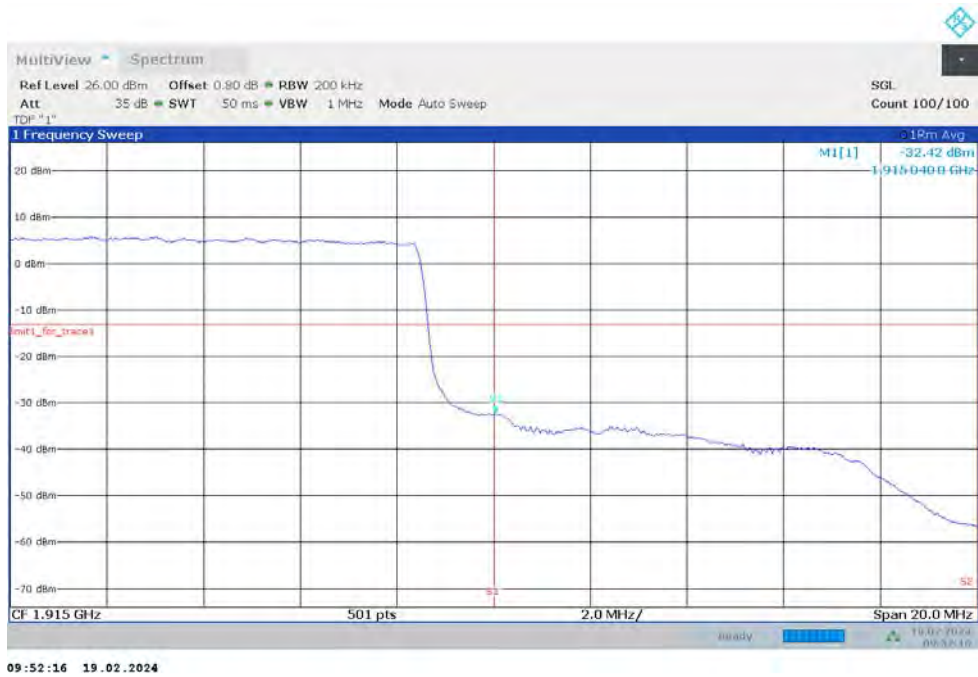
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



LOW BAND EDGE BLOCK-20M-100%RB



HIGH BAND EDGE BLOCK-20M-100%RB

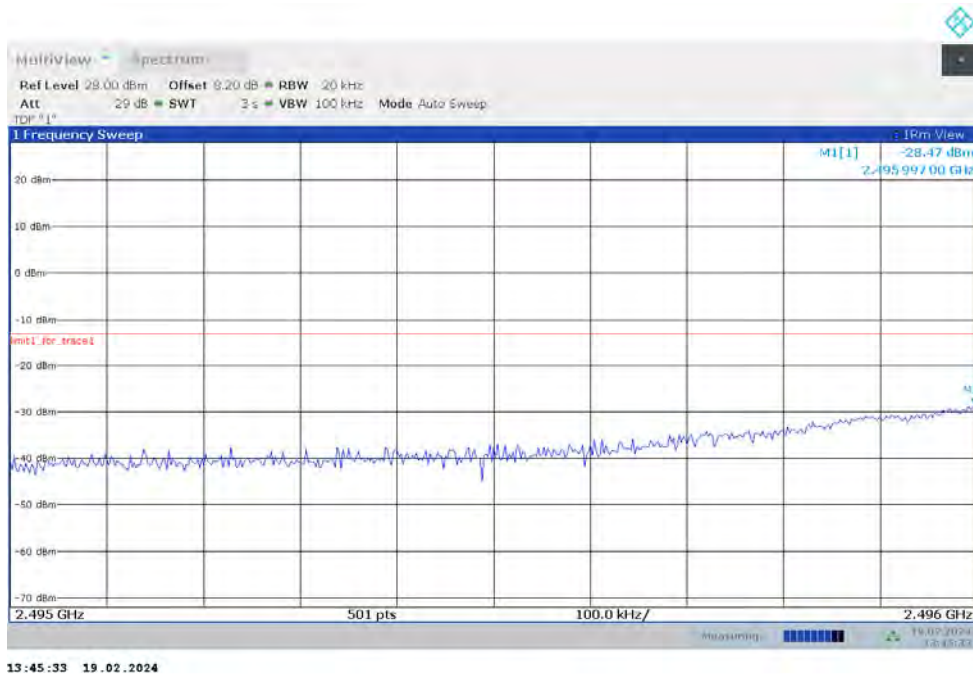


NR n41

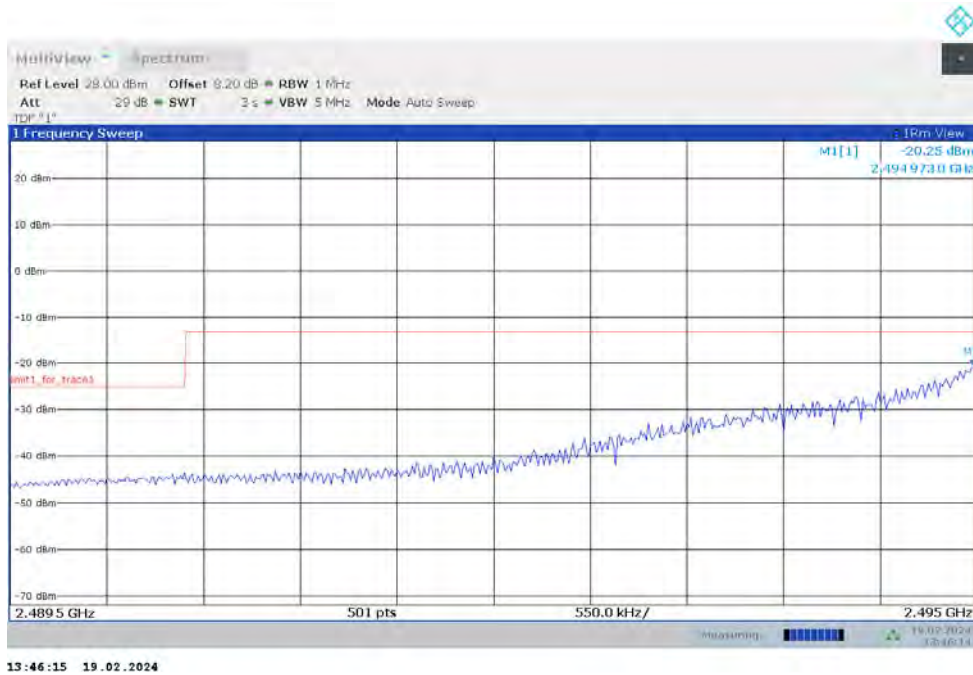
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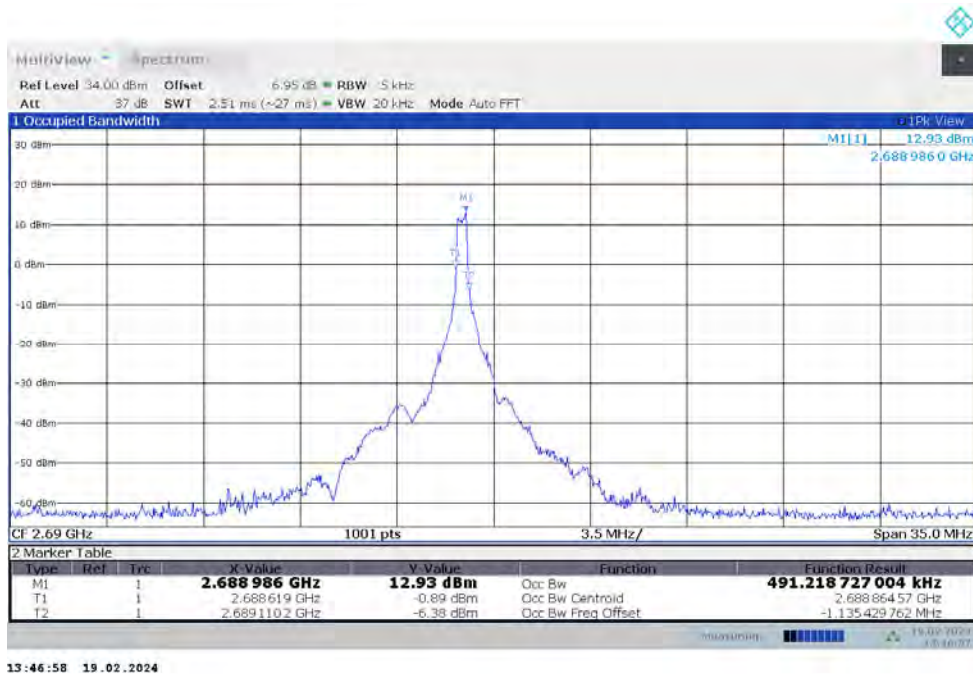
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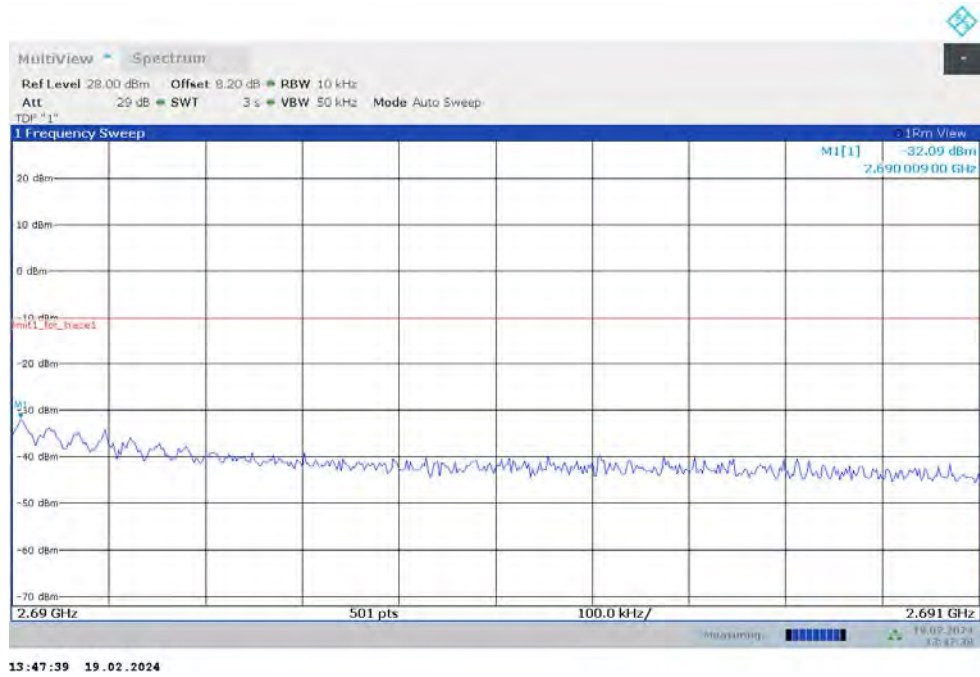
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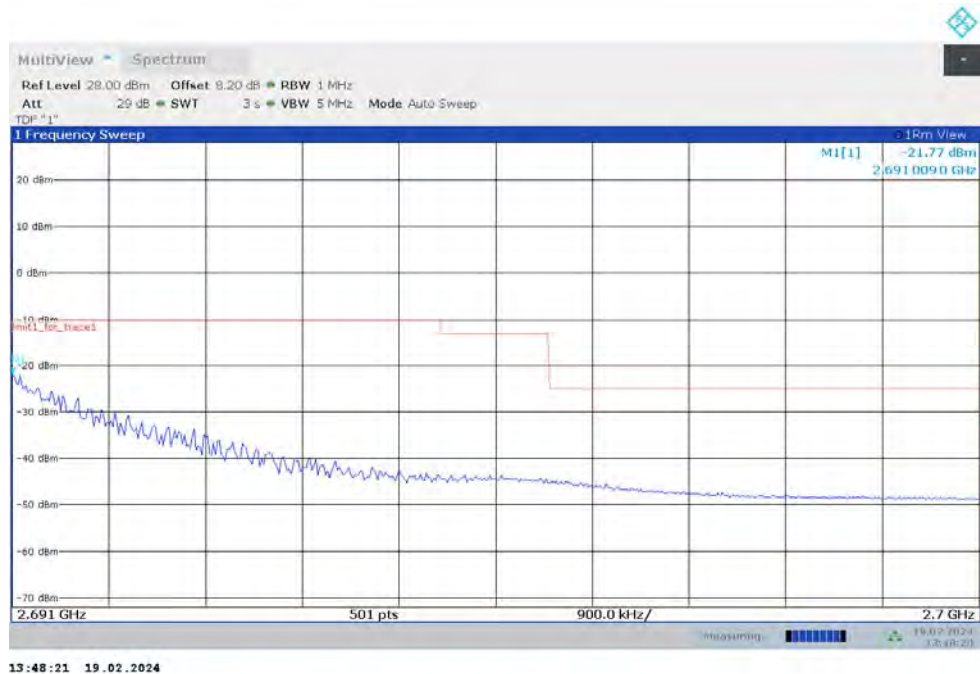
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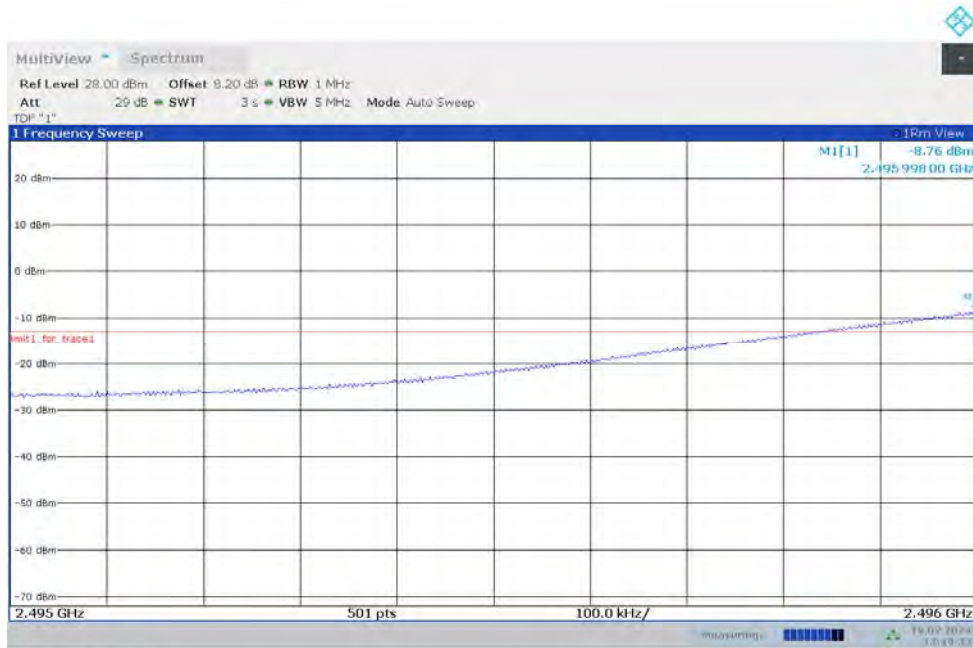
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HIGH BAND EDGE BLOCK-1RB-HIGH_offset

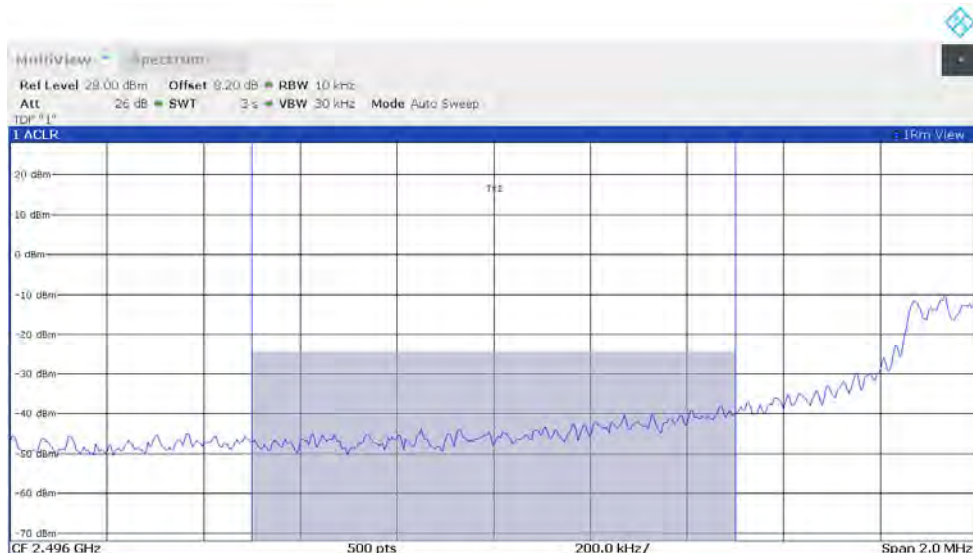


LOW BAND EDGE BLOCK-100M-100%RB



13:49:34 19.02.2024

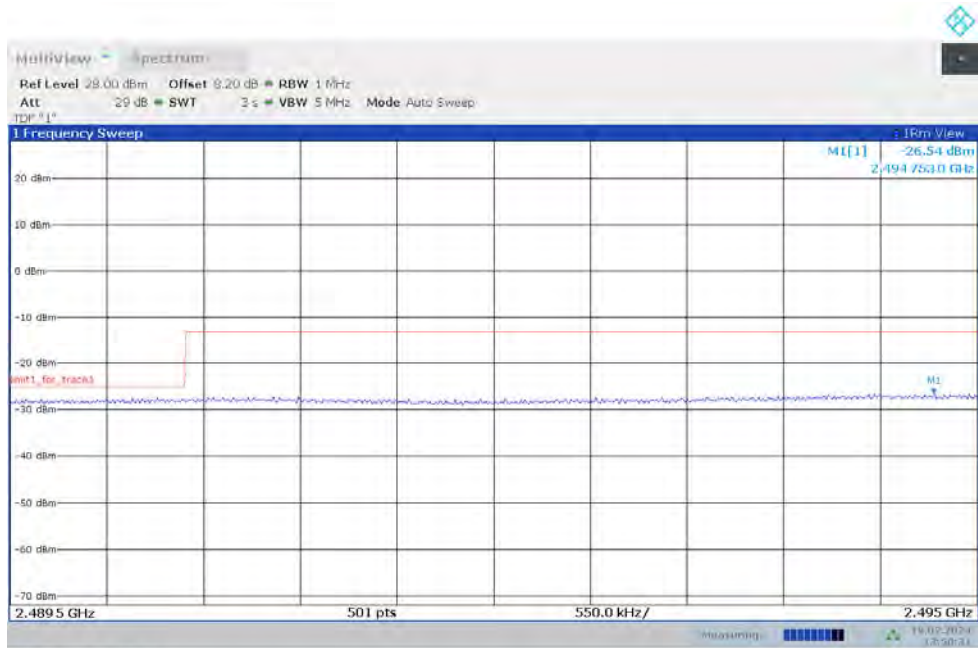
Channel power



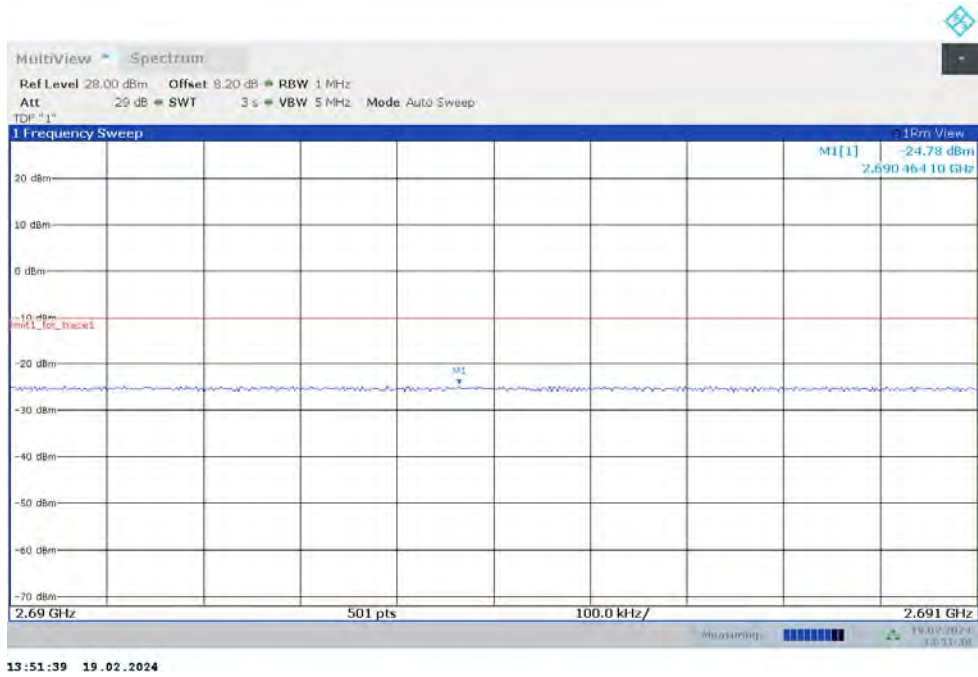
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Channel	Bandwidth	Offset	Power
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Tx Total			-24.58 dBm

13:49:51 19.02.2024

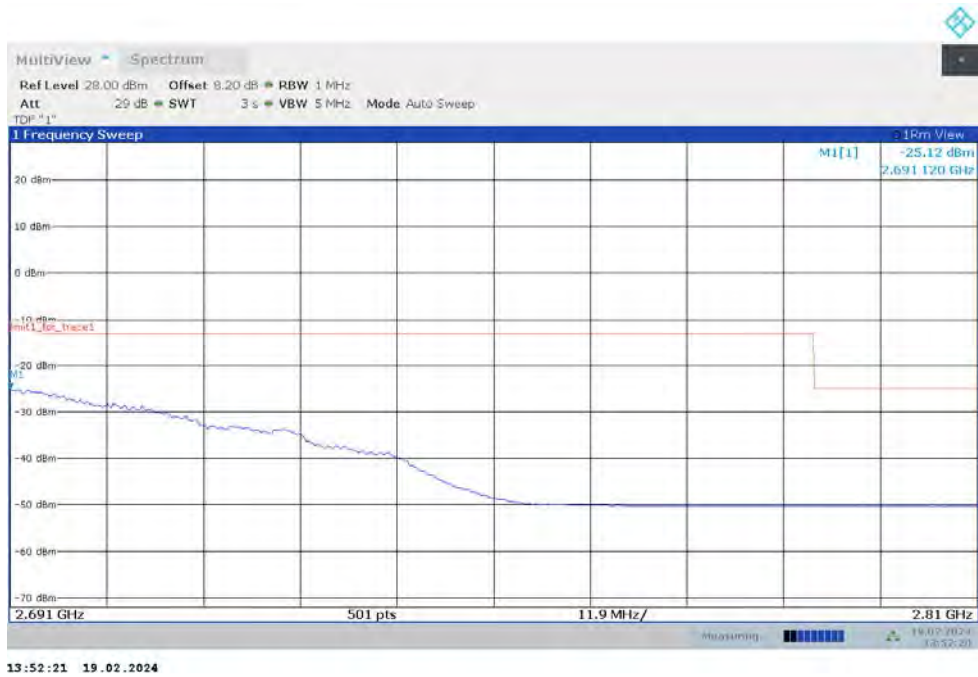
LOW BAND EDGE BLOCK-100M-100%RB



HIGH BAND EDGE BLOCK-100M-100%RB



HIGH BAND EDGE BLOCK-100M-100%RB

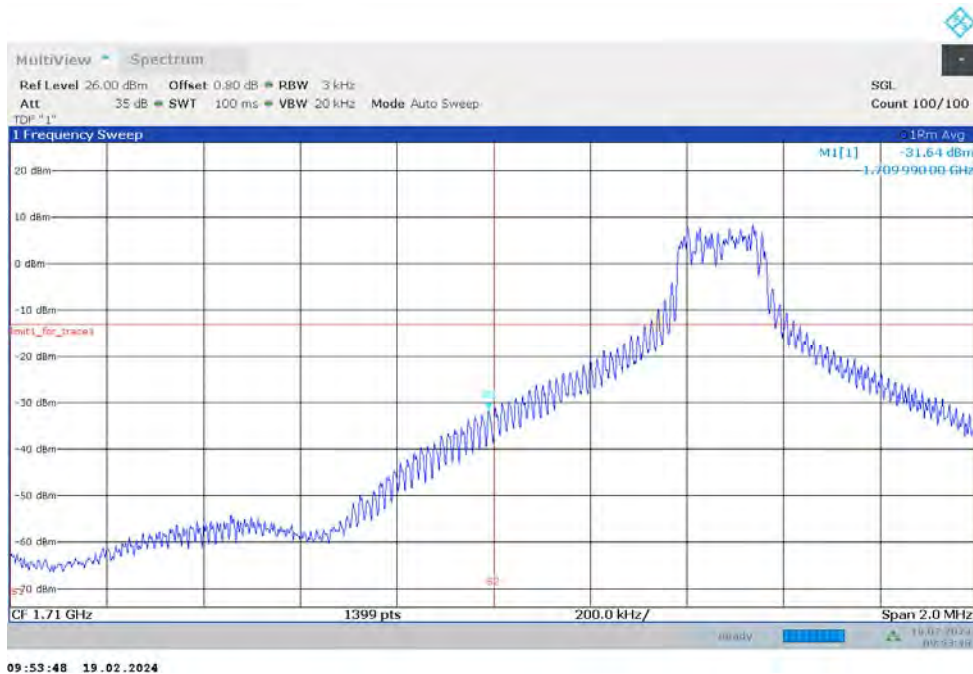


NR n66

OBW: 1RB-LOW_offset



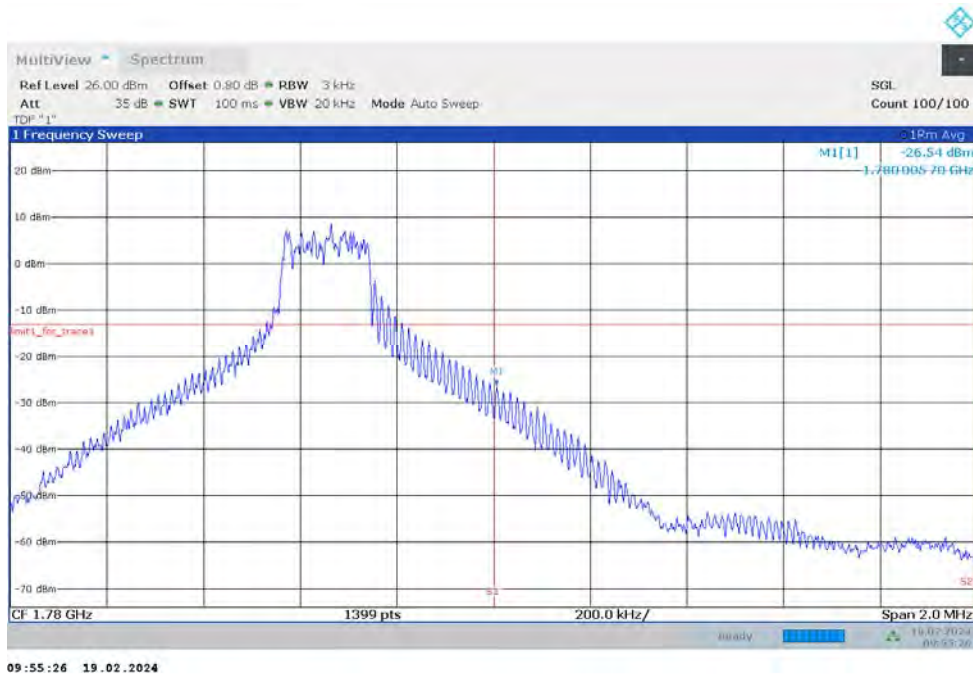
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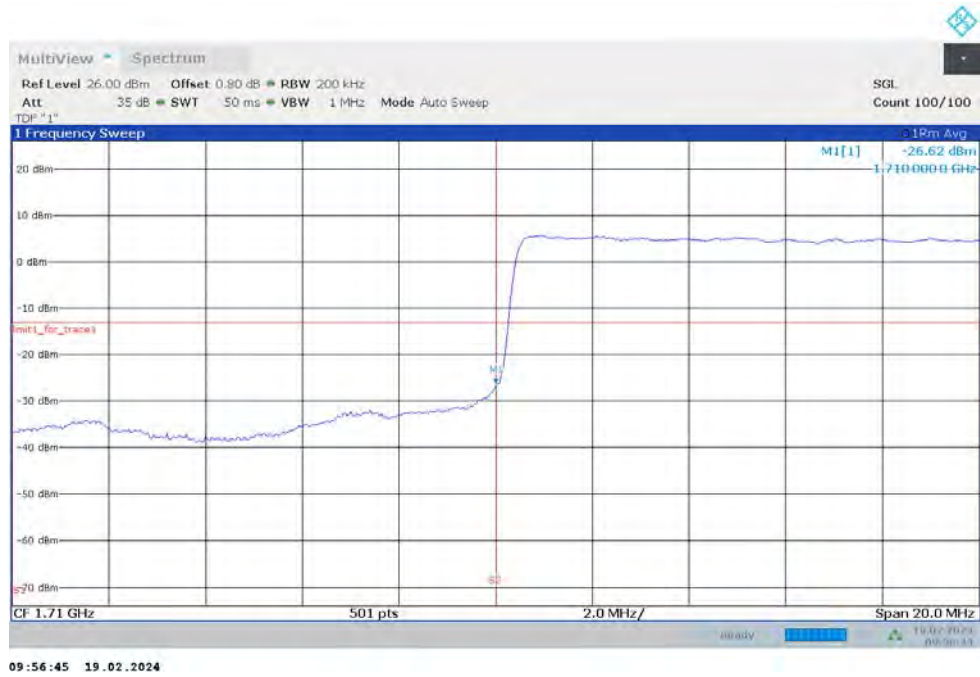
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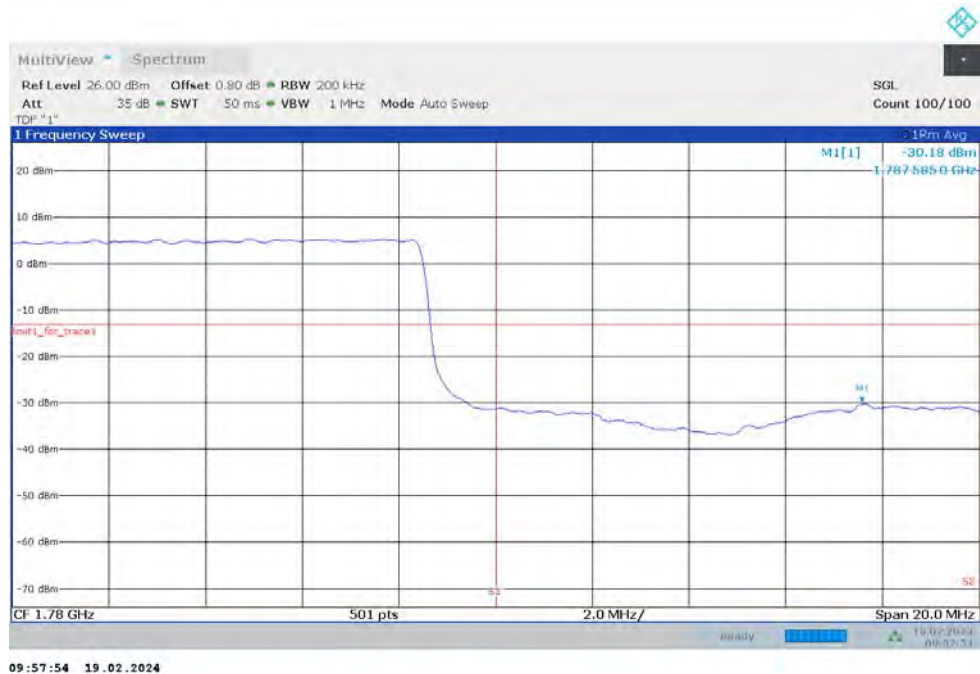
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



LOW BAND EDGE BLOCK-20M-100%RB



HIGH BAND EDGE BLOCK-20M-100%RB

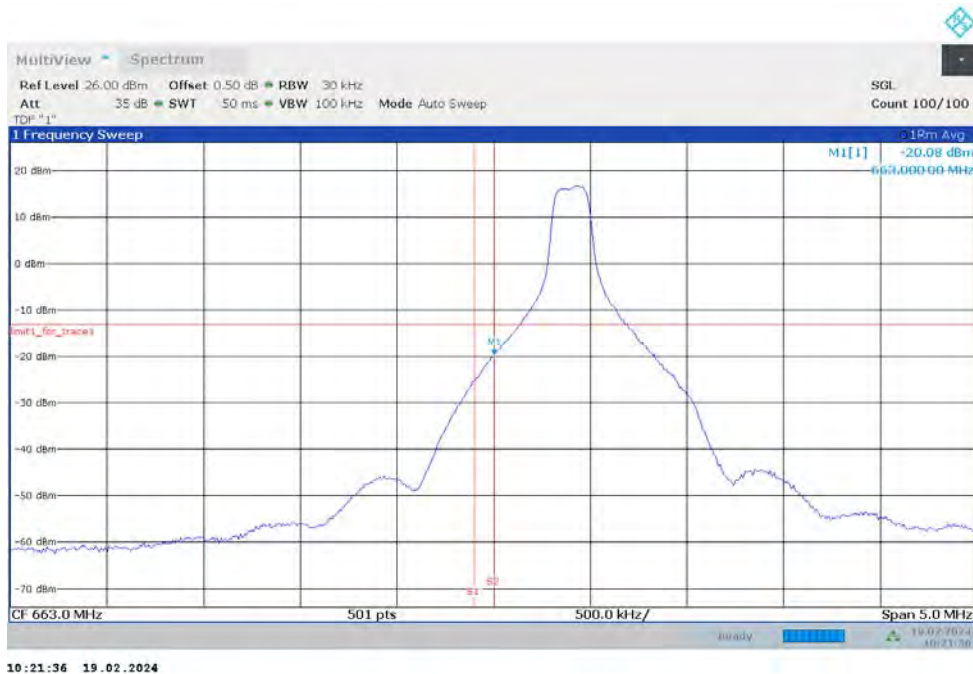


NR n71

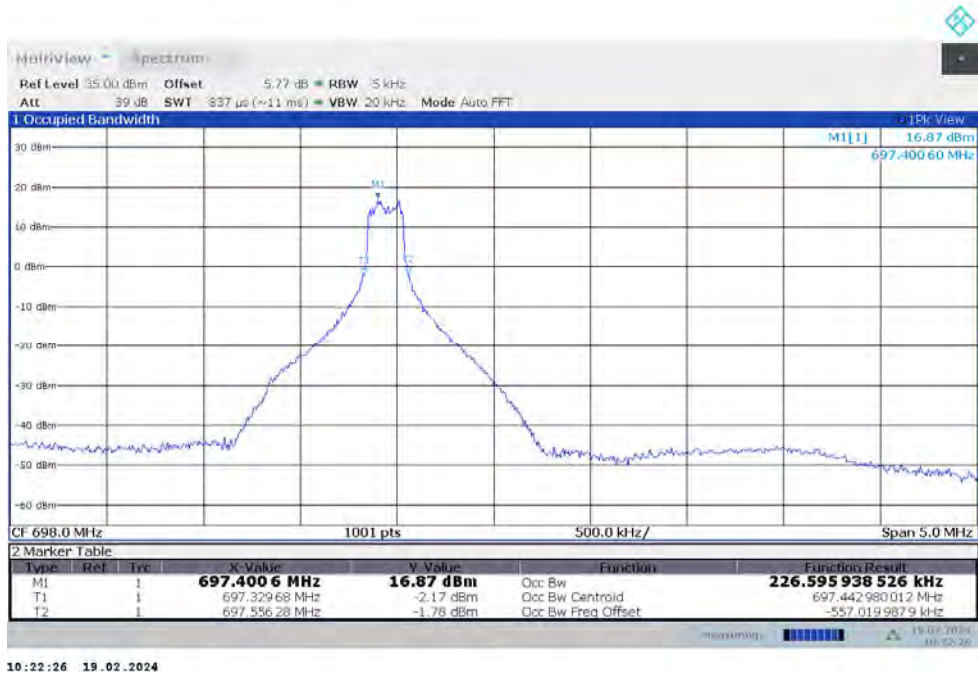
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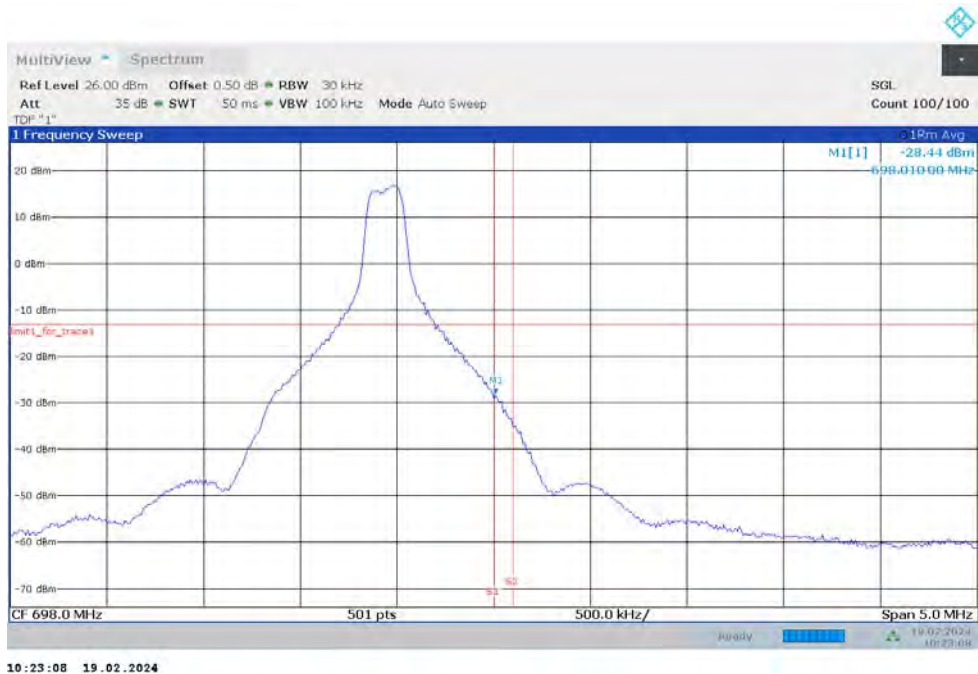
LOW BAND EDGE BLOCK-1RB-LOW_offset



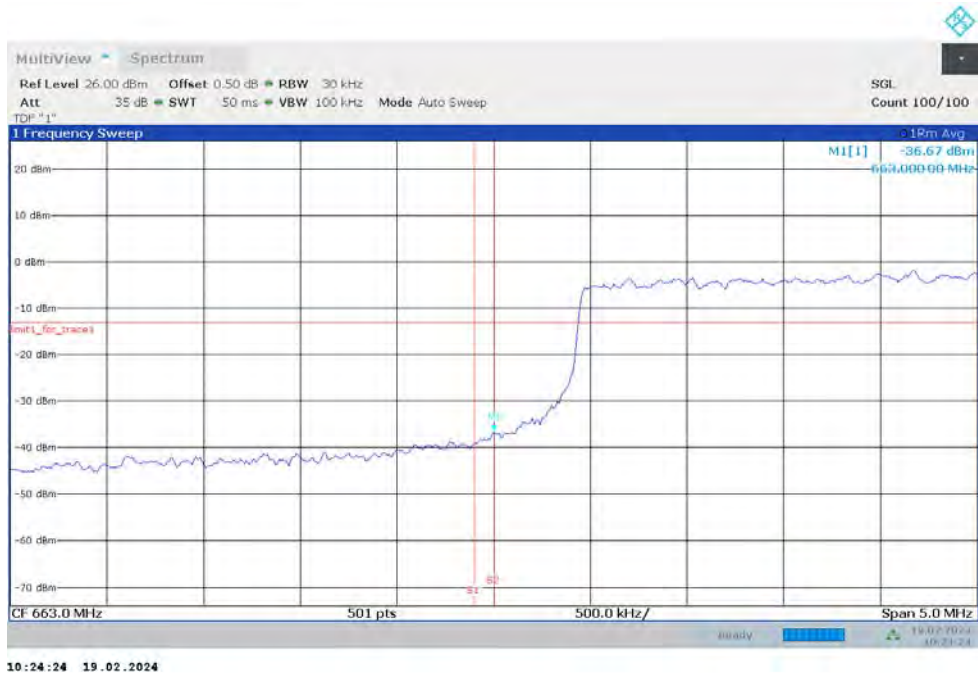
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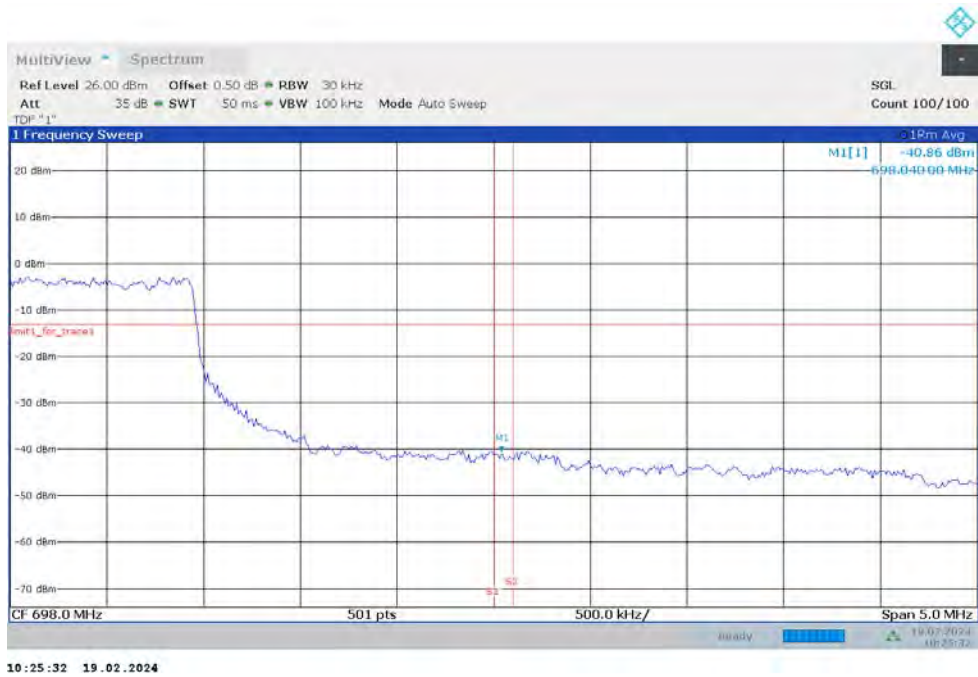
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



LOW BAND EDGE BLOCK-20M-100%RB

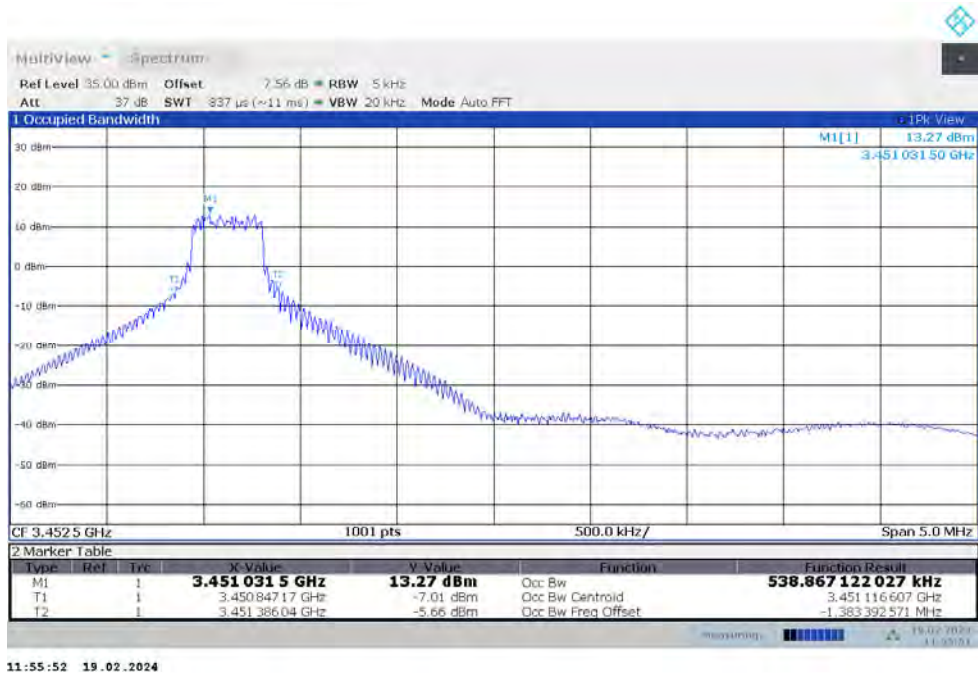


HIGH BAND EDGE BLOCK-20M-100%RB

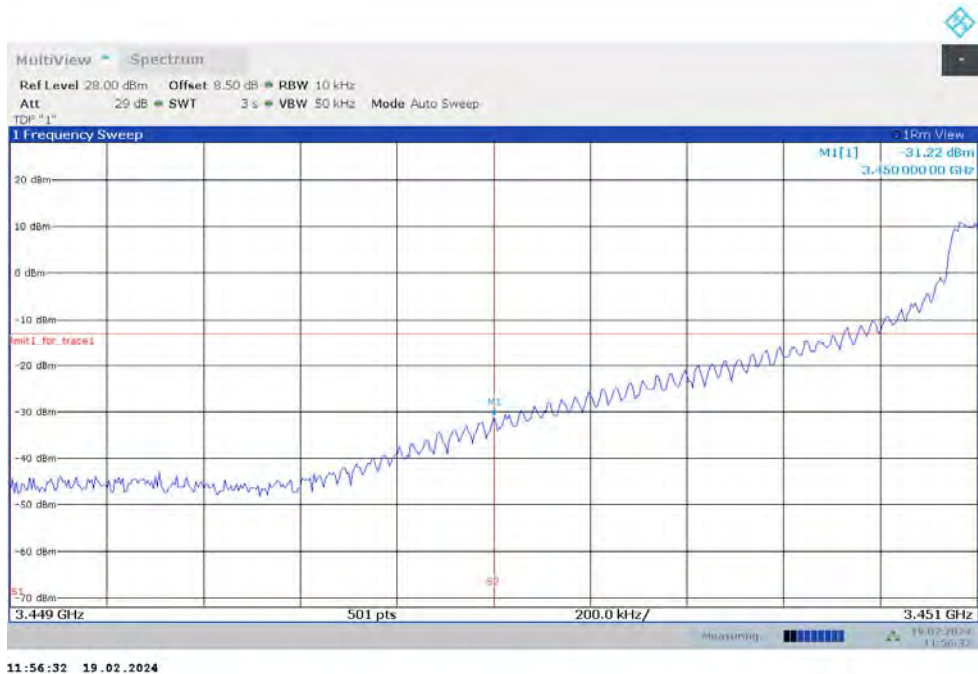


NR n77L

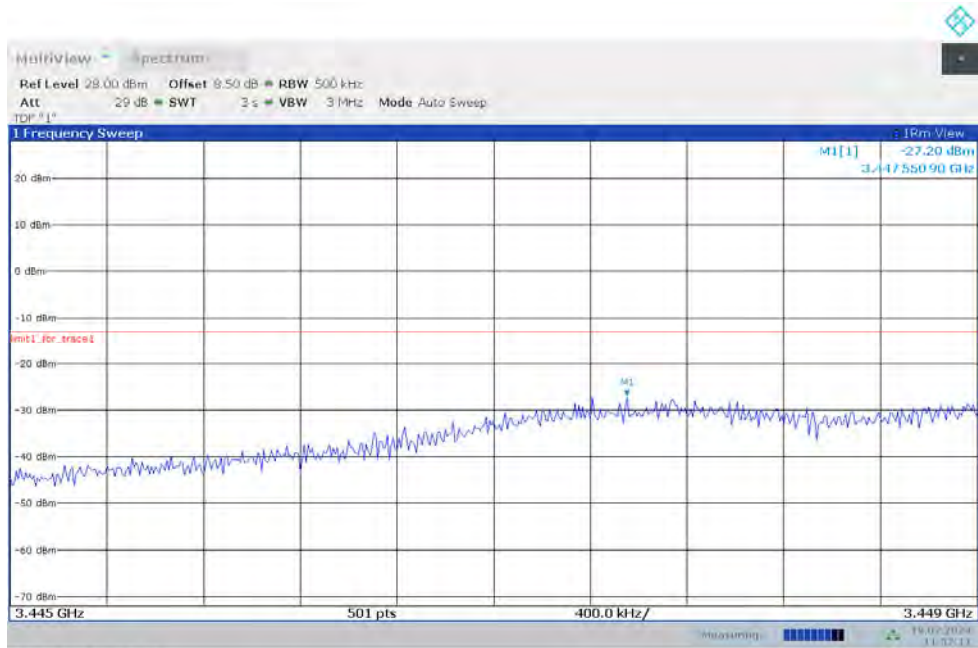
OBW: 1RB-LOW_offset



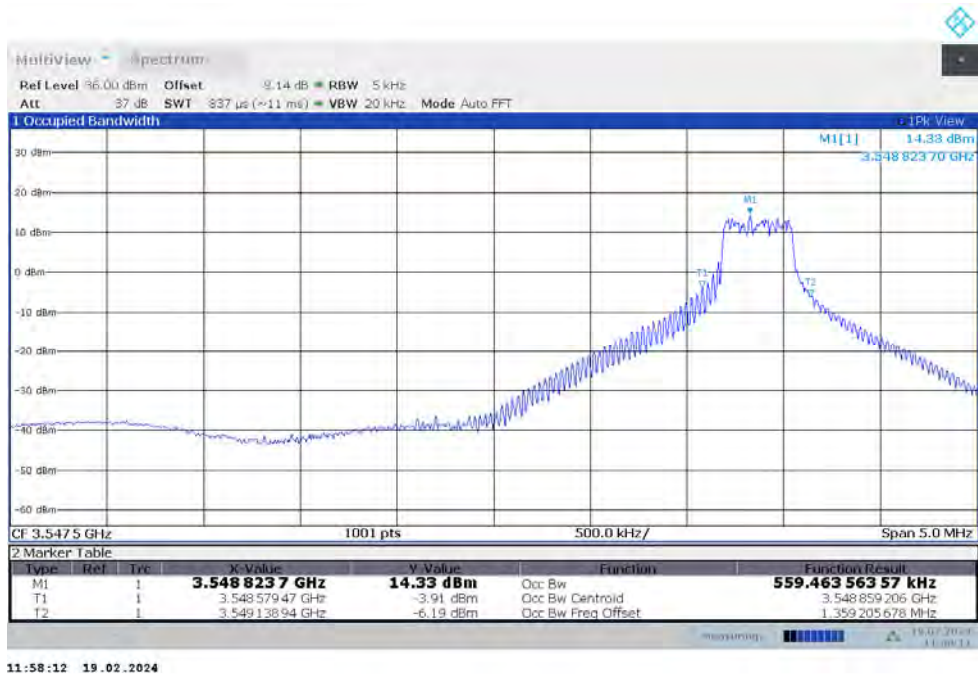
LOW BAND EDGE BLOCK-1RB-LOW_offset



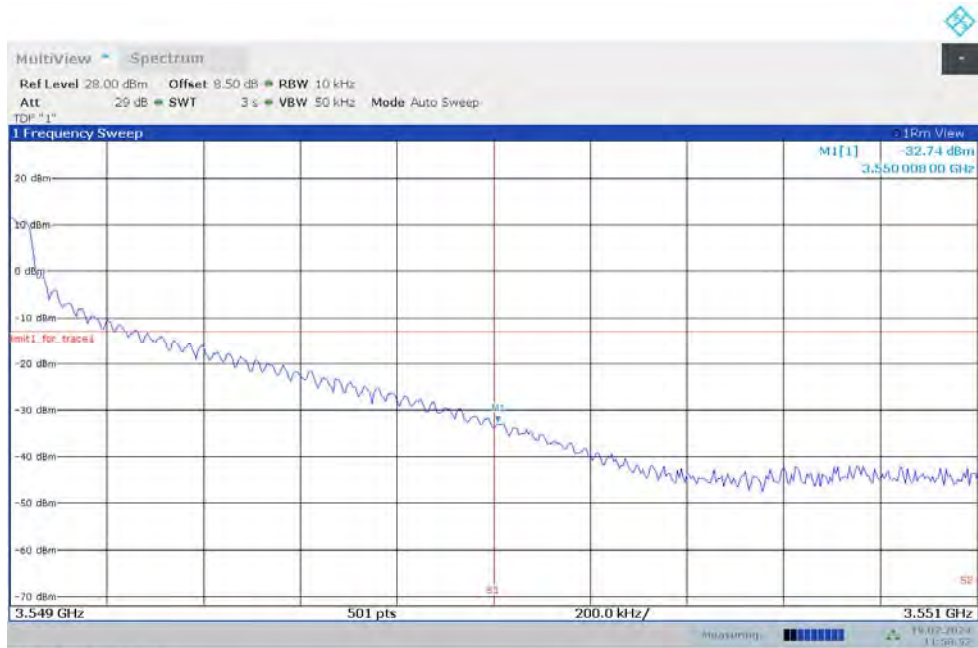
LOW BAND EDGE BLOCK-1RB-LOW_offset



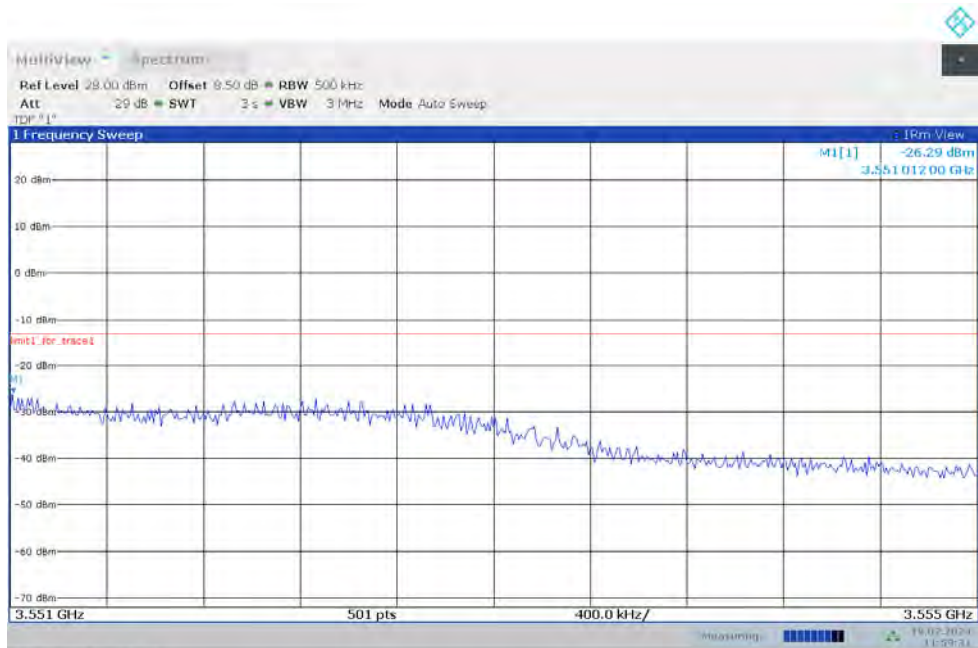
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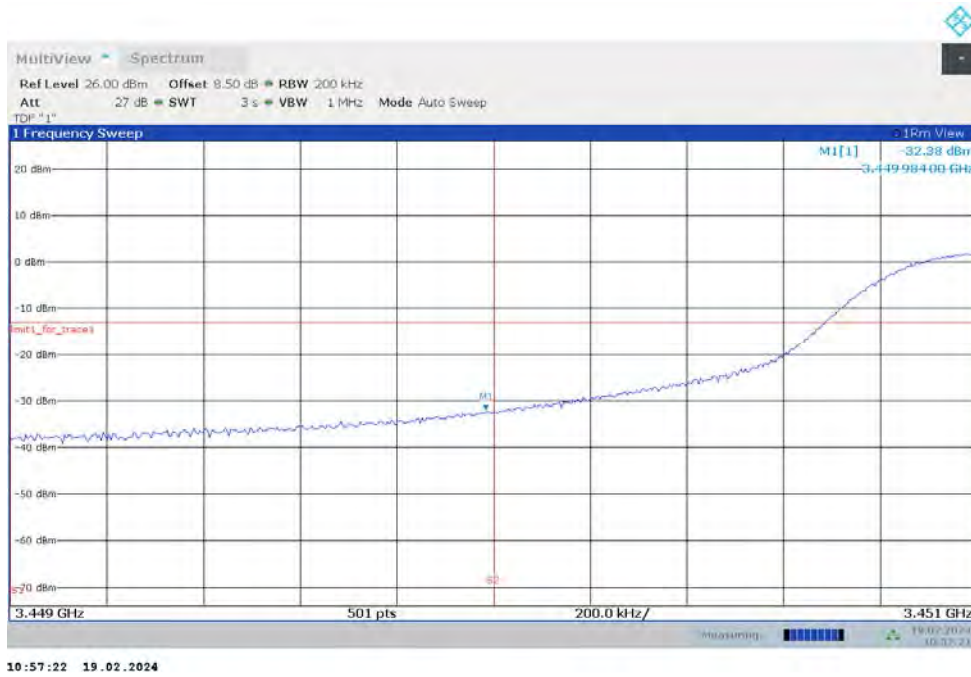
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



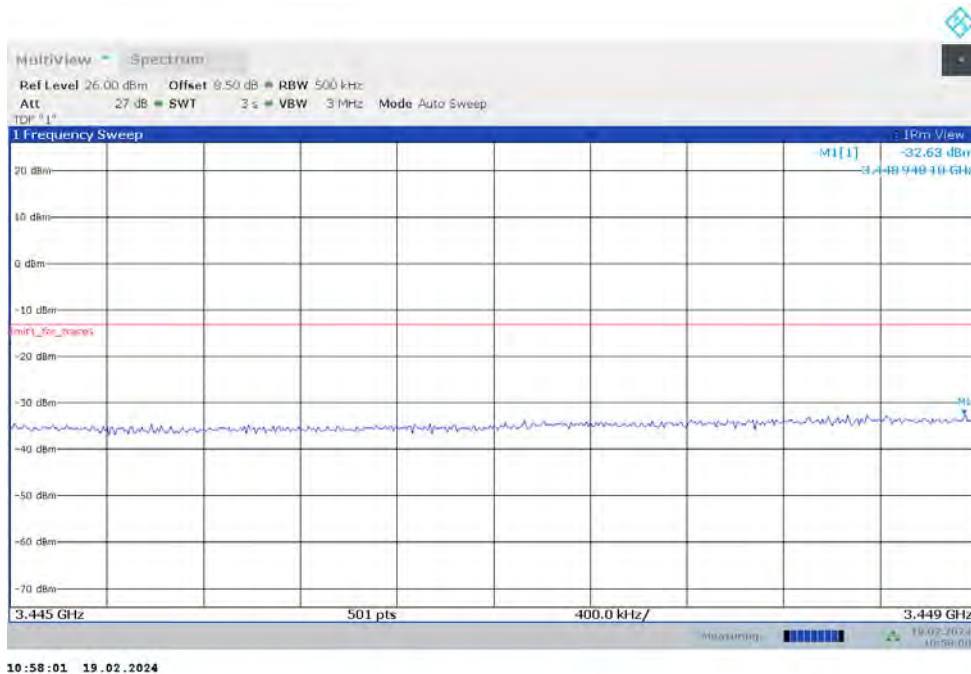
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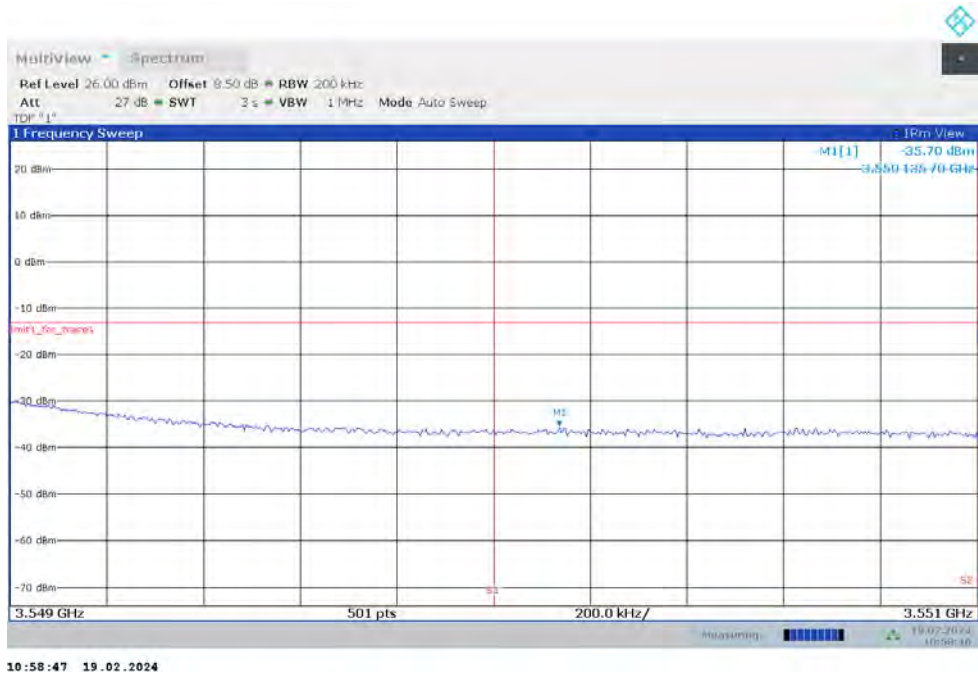
LOW BAND EDGE BLOCK-100M-100%RB



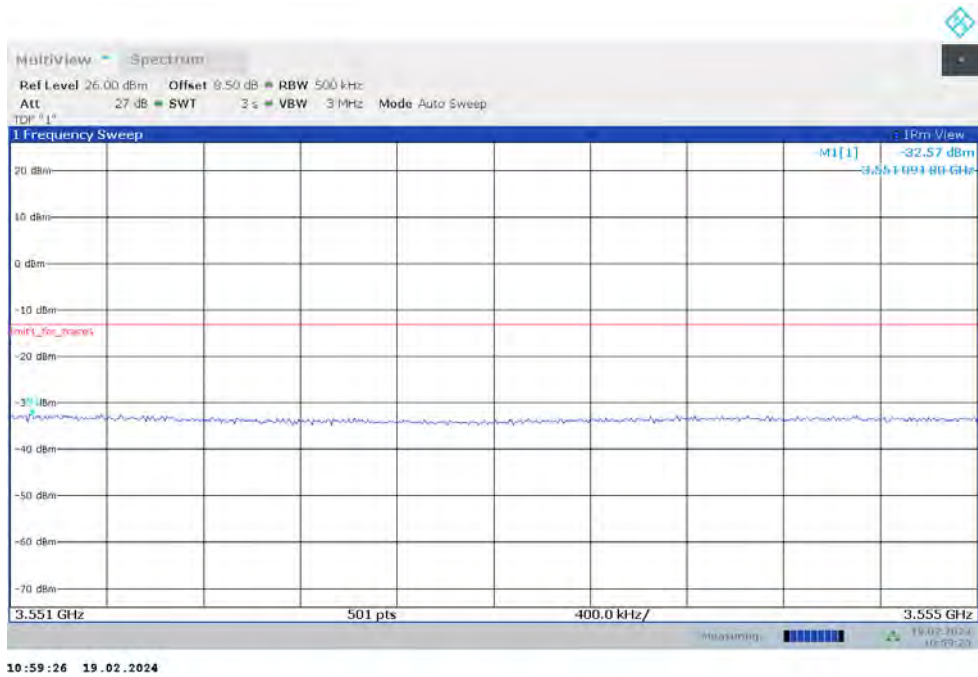
LOW BAND EDGE BLOCK-100M-100%RB



HIGH BAND EDGE BLOCK-100M-100%RB

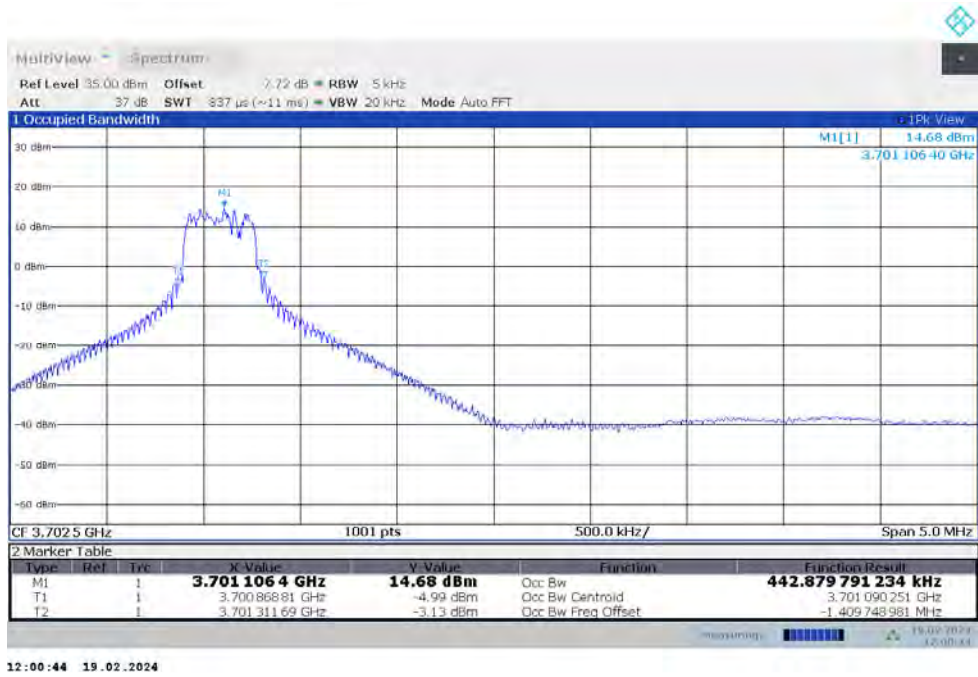


HIGH BAND EDGE BLOCK-100M-100%RB

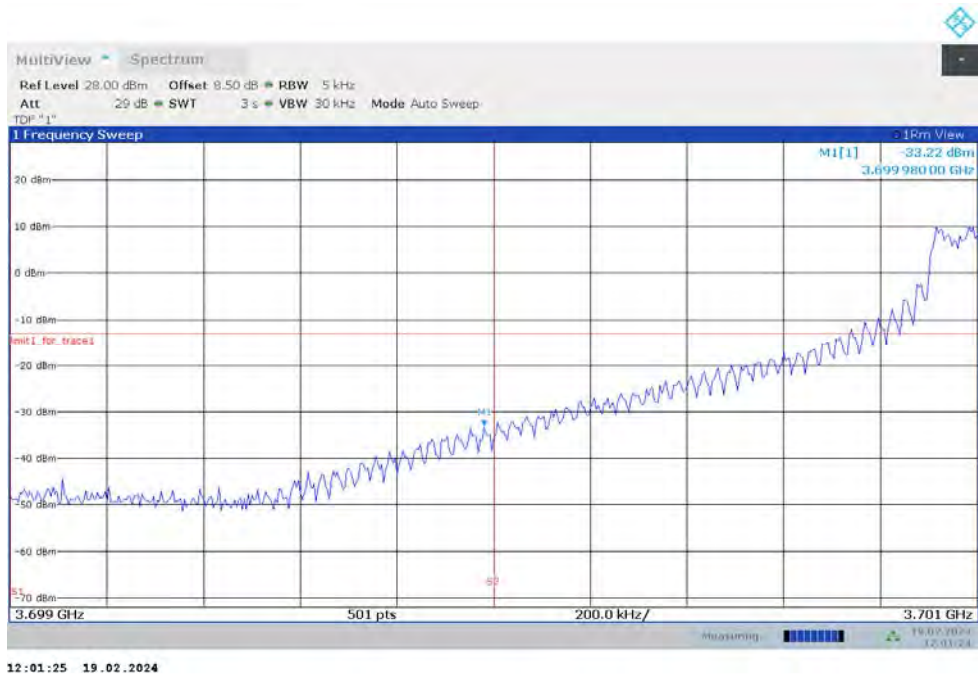


NR n77H

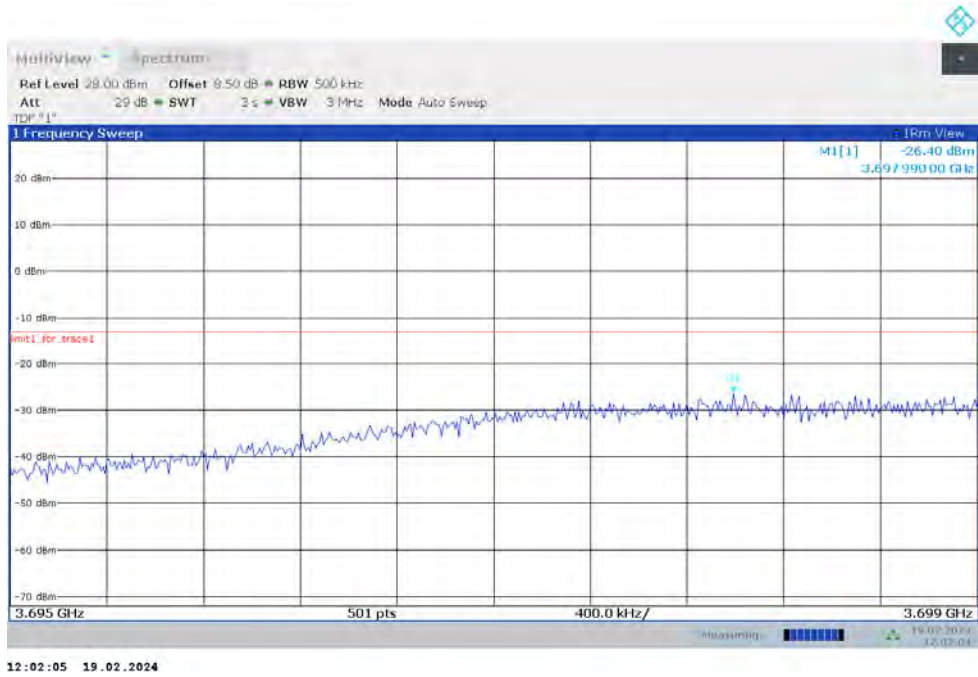
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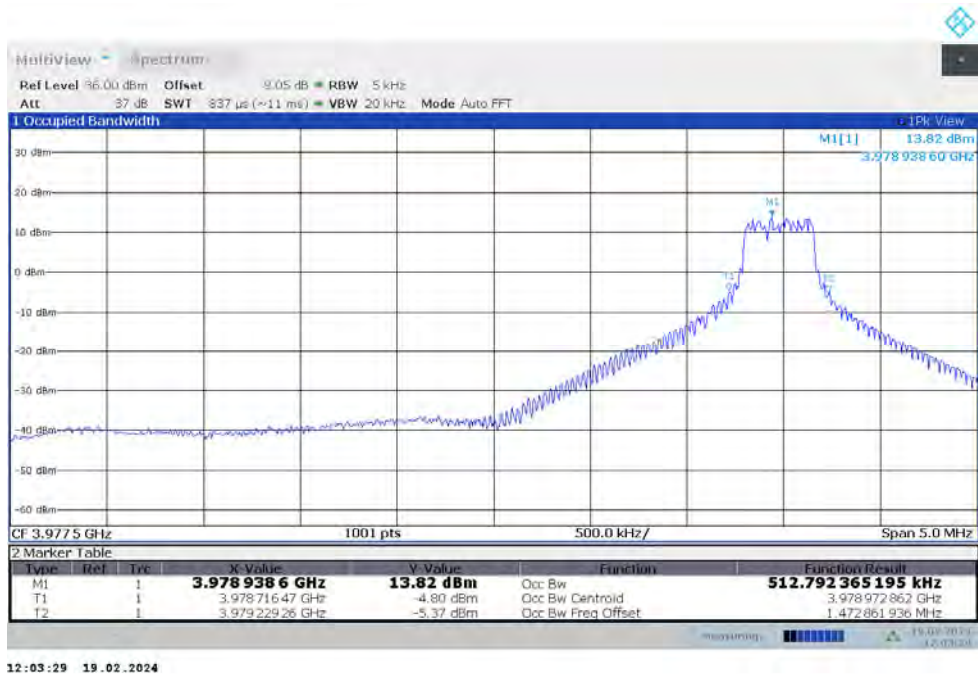
LOW BAND EDGE BLOCK-1RB-LOW_offset



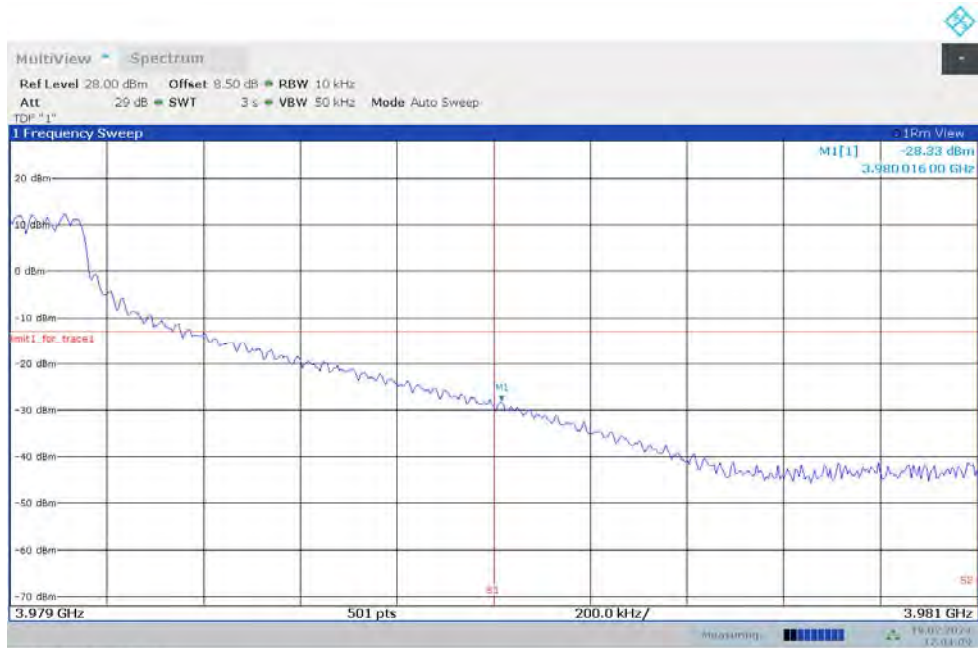
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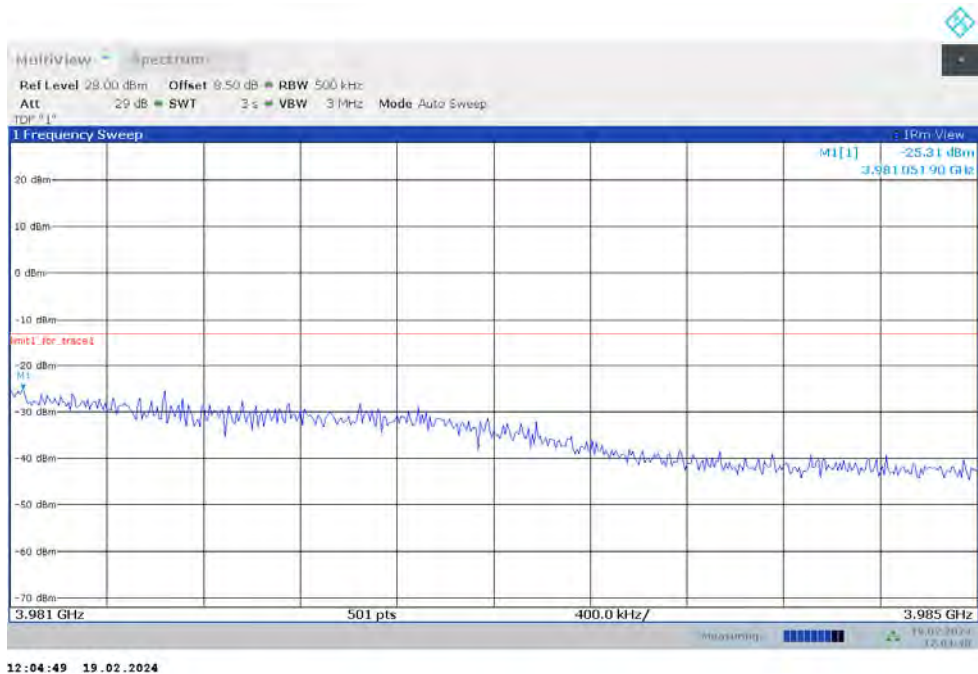
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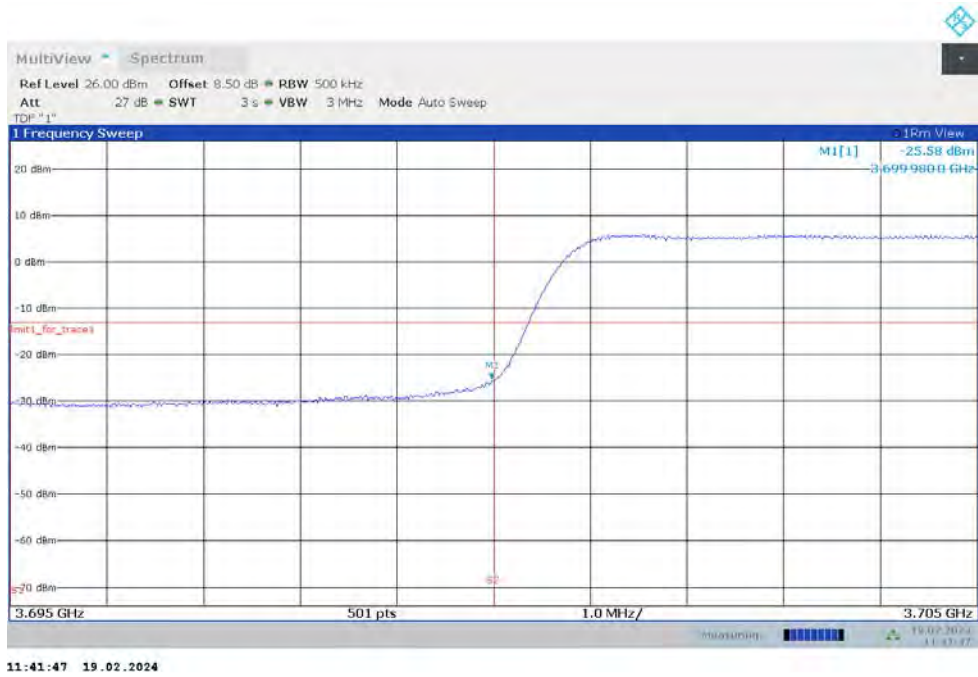
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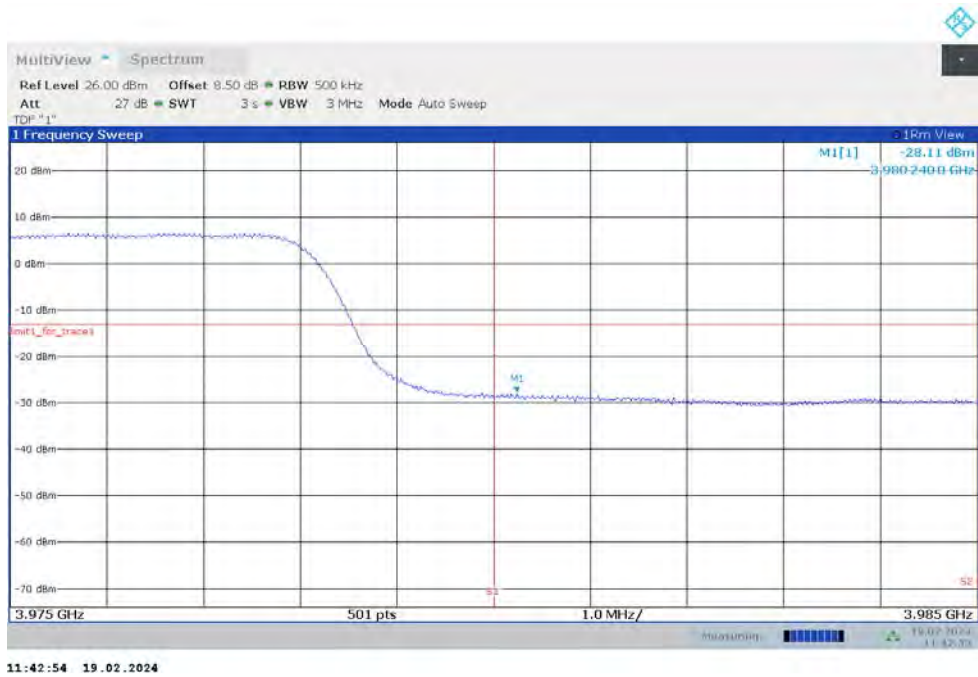
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



LOW BAND EDGE BLOCK-100M-100%RB

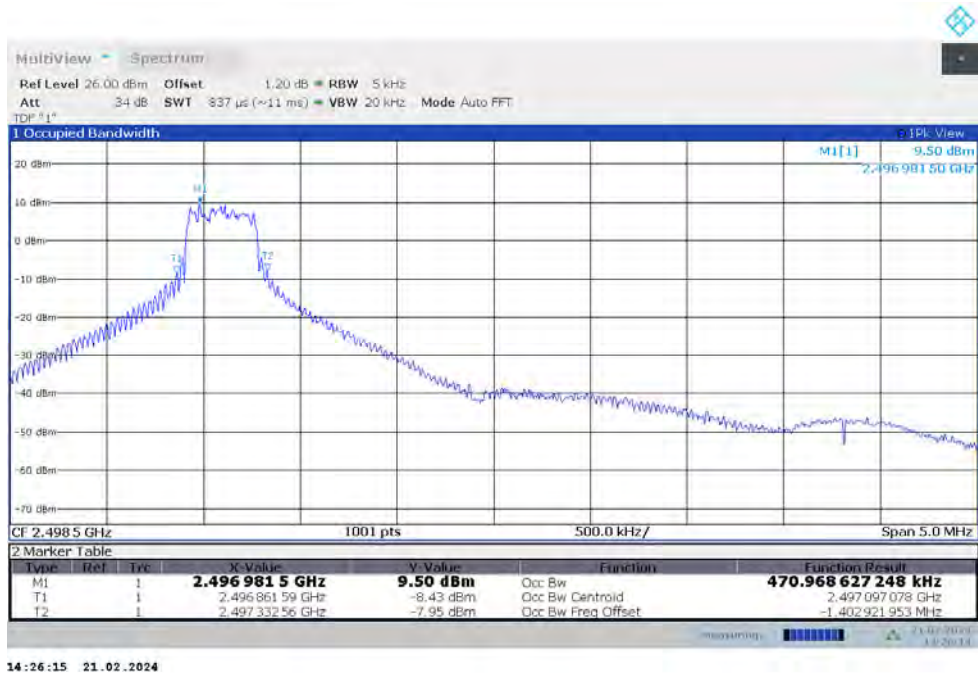


HIGH BAND EDGE BLOCK-100M-100%RB

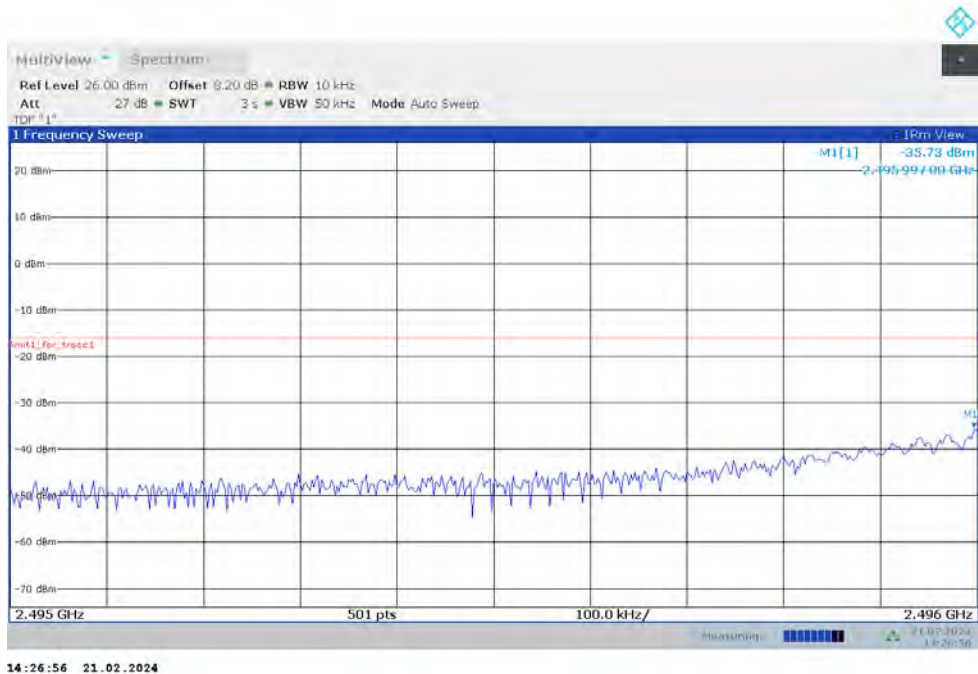


NR n41-MIMO

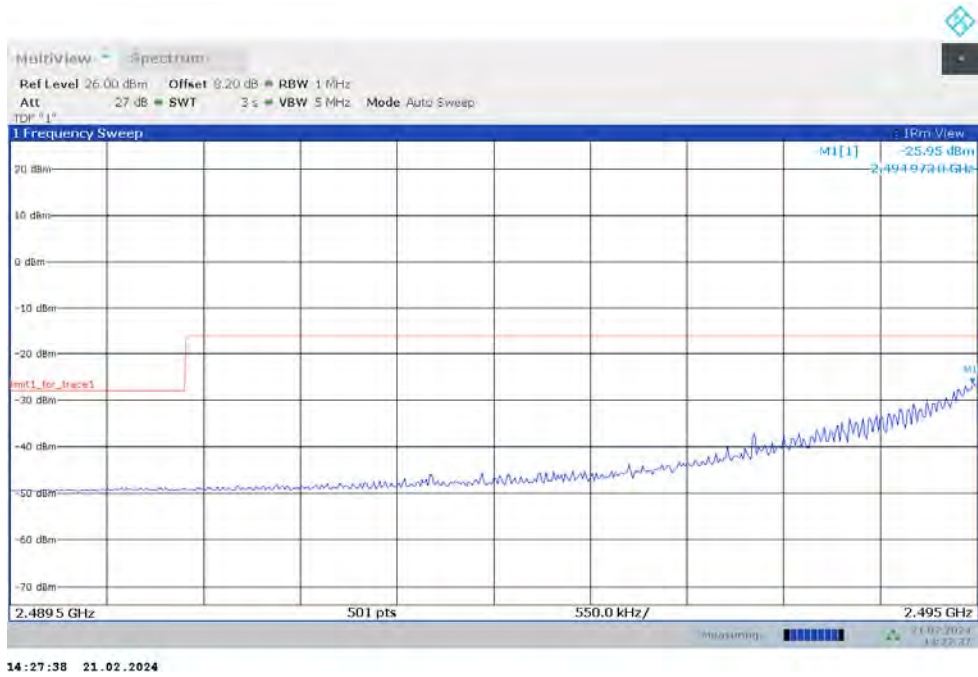
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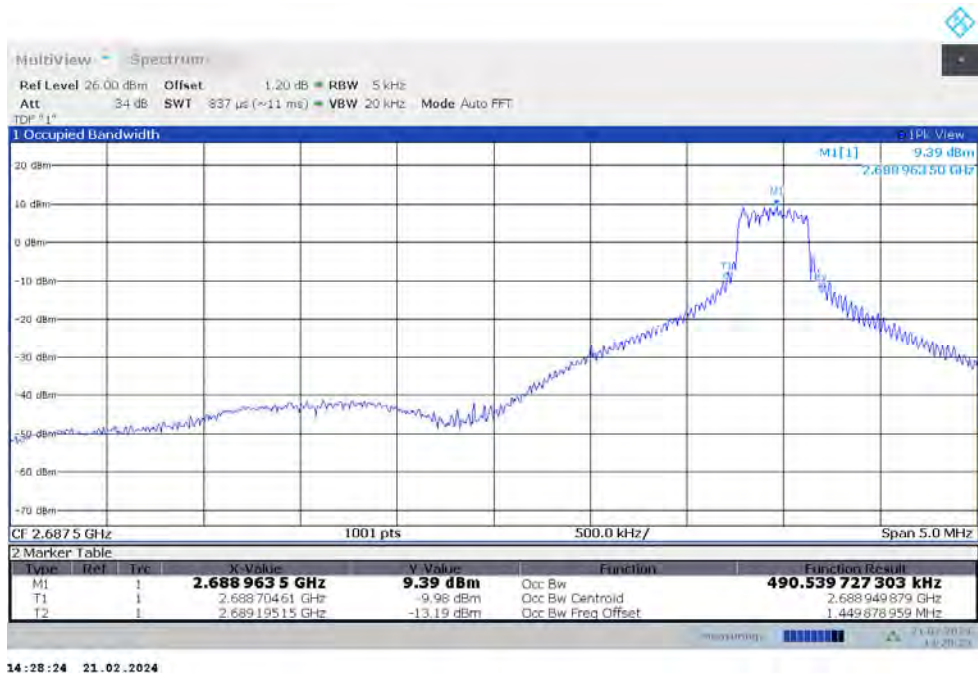
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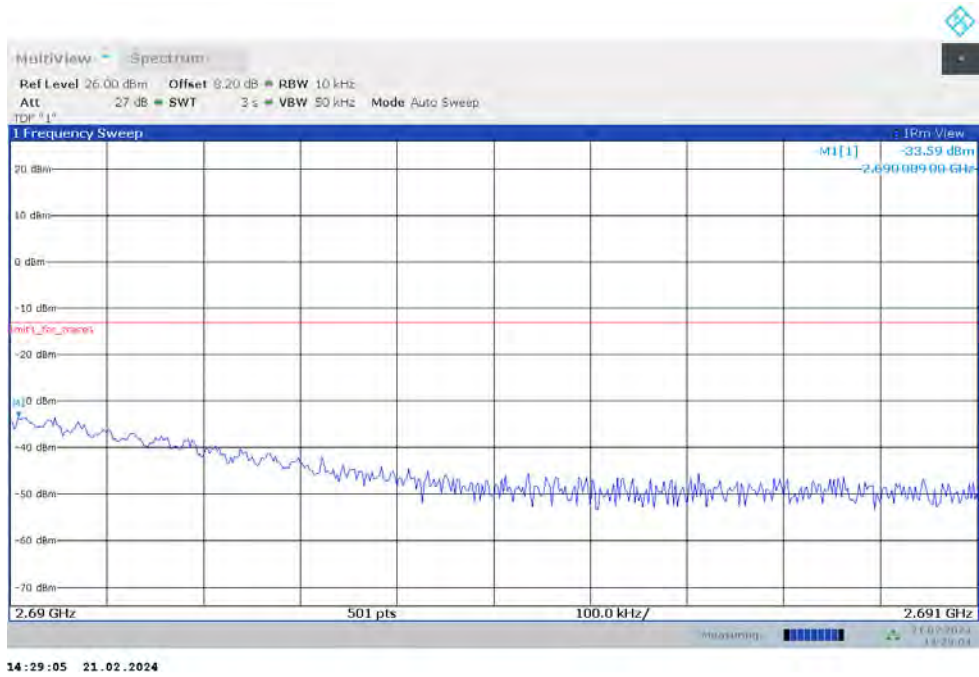
LOW BAND EDGE BLOCK-1RB-LOW_offset



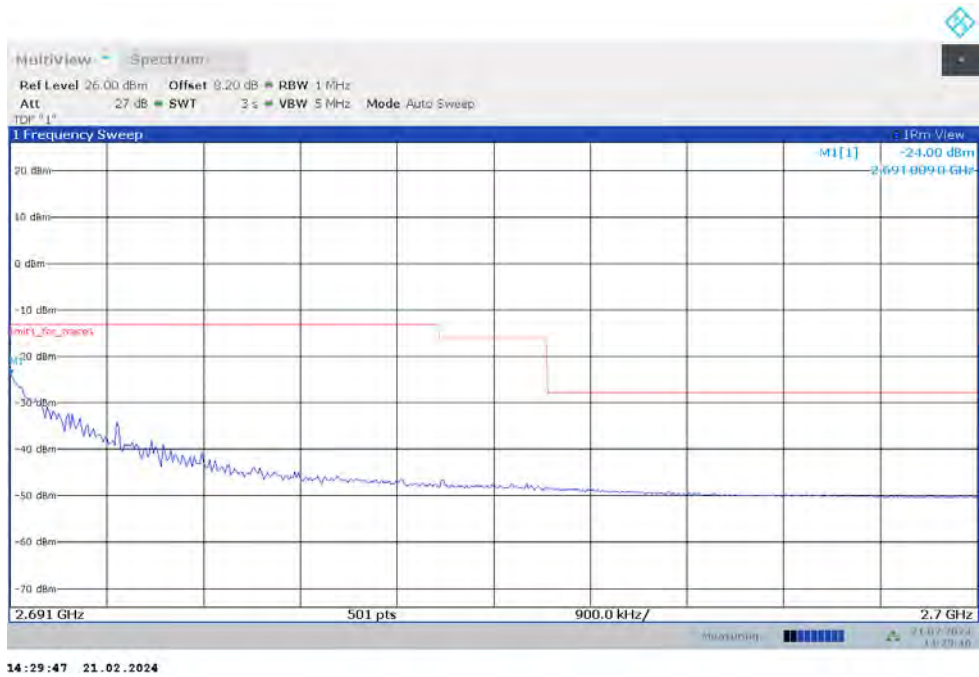
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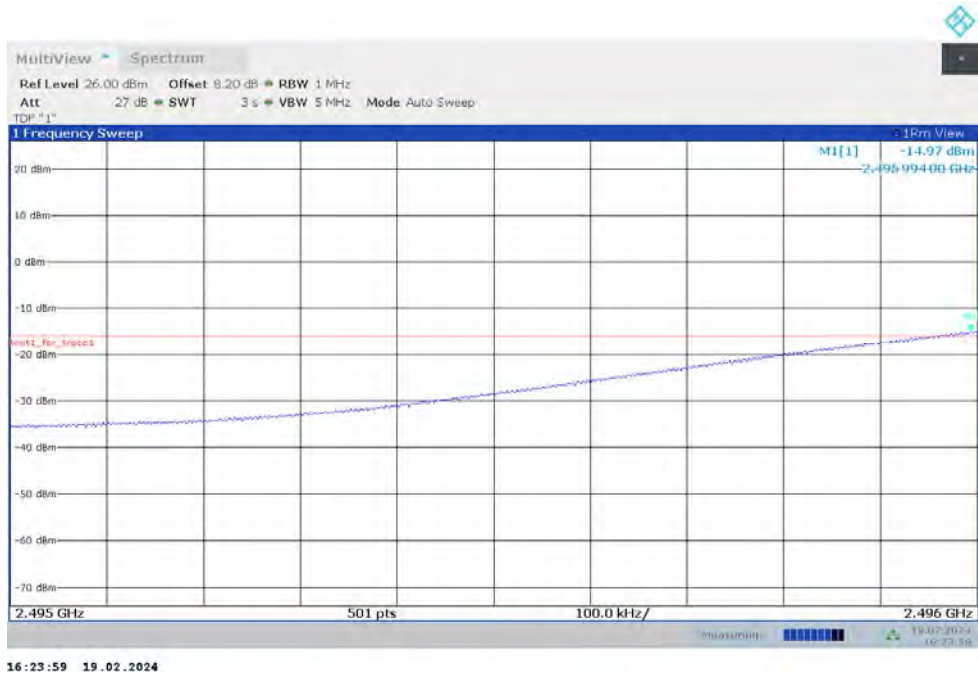
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



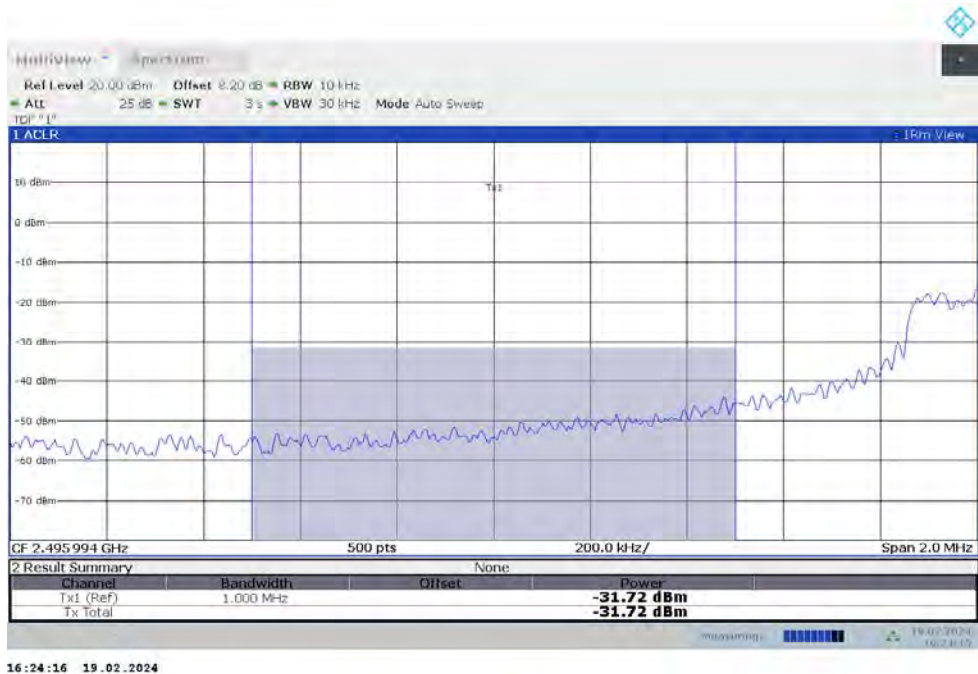
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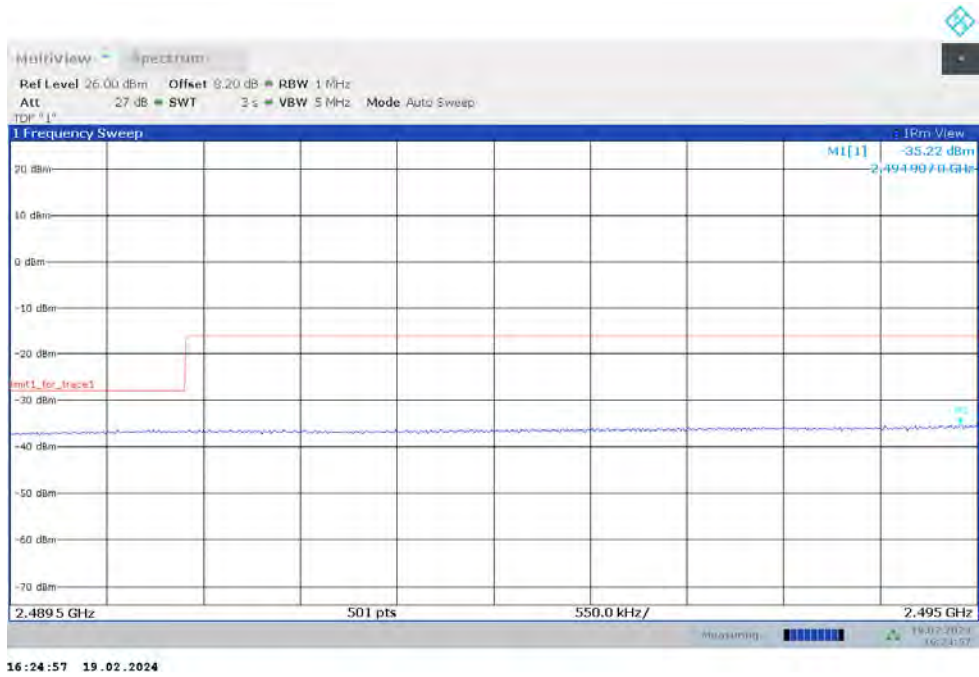
LOW BAND EDGE BLOCK-100M-100%RB



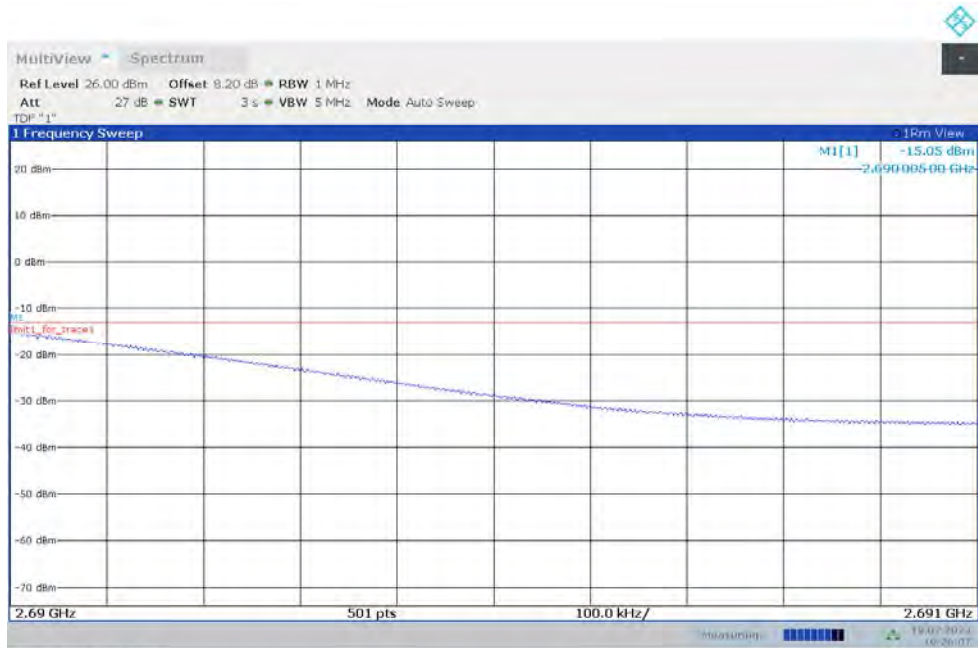
Channel power



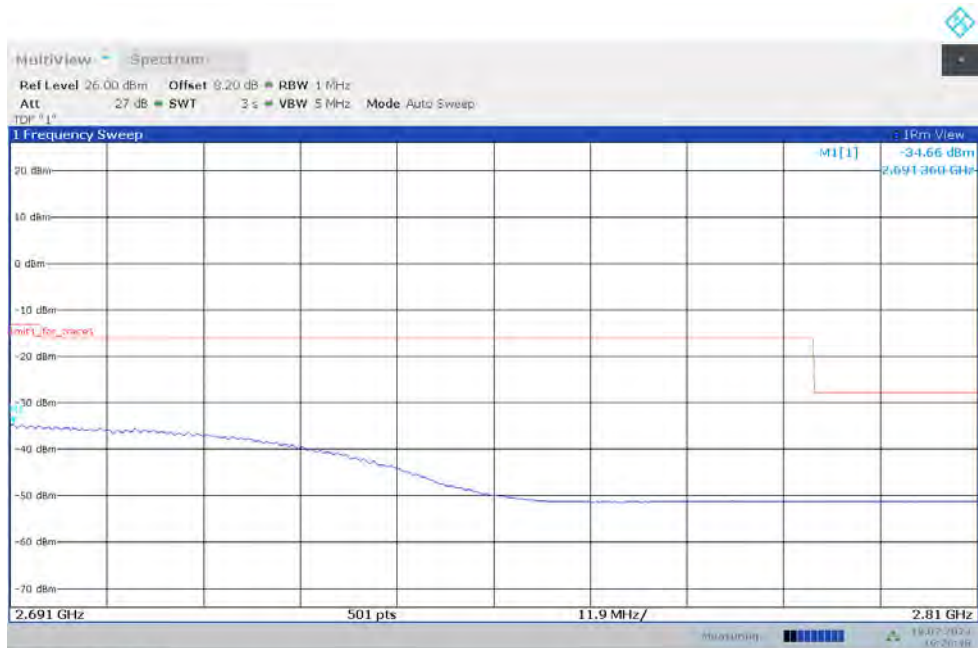
LOW BAND EDGE BLOCK-100M-100%RB



HIGH BAND EDGE BLOCK-100M-100%RB

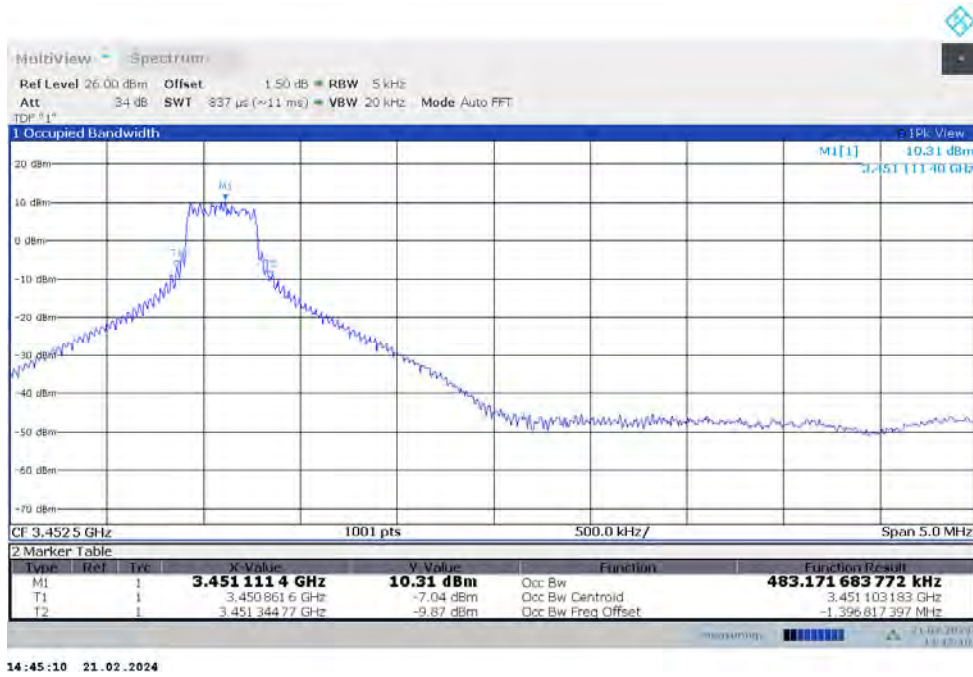


HIGH BAND EDGE BLOCK-100M-100%RB

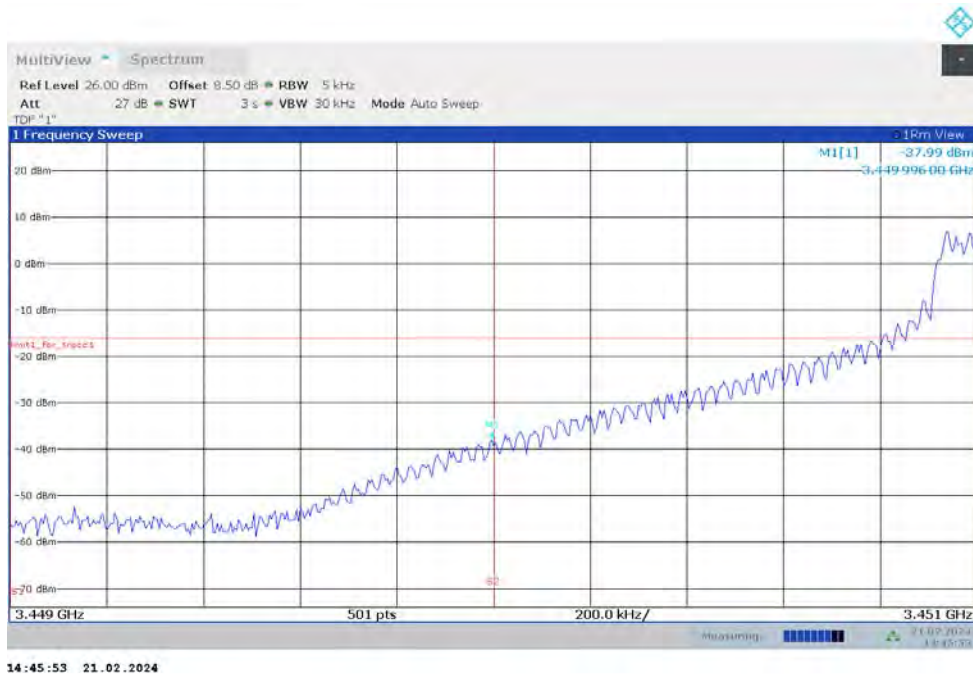


NR n77L-MIMO

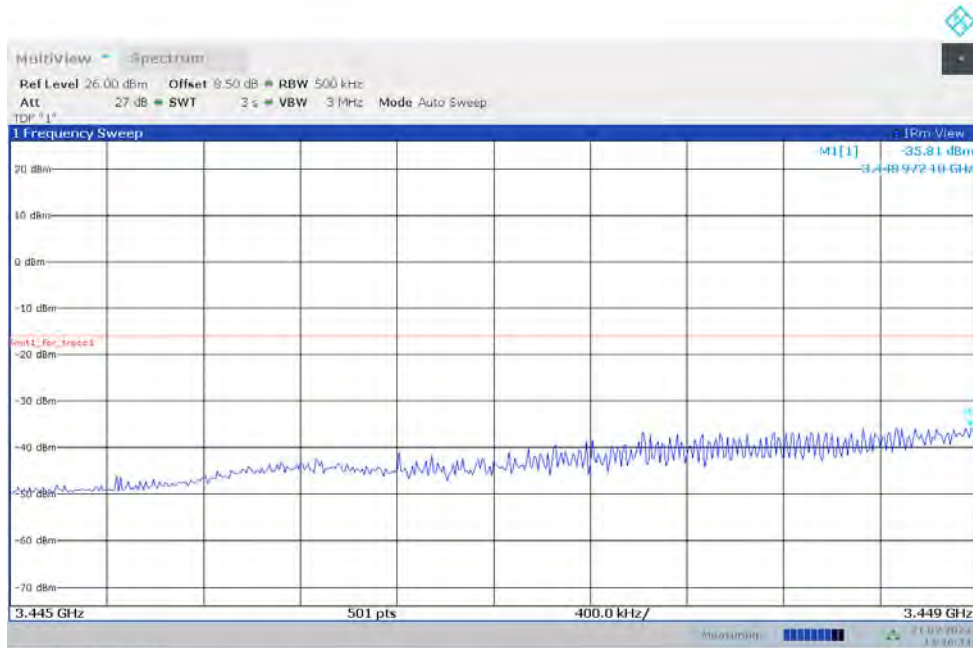
OBW: 1RB-LOW_offset



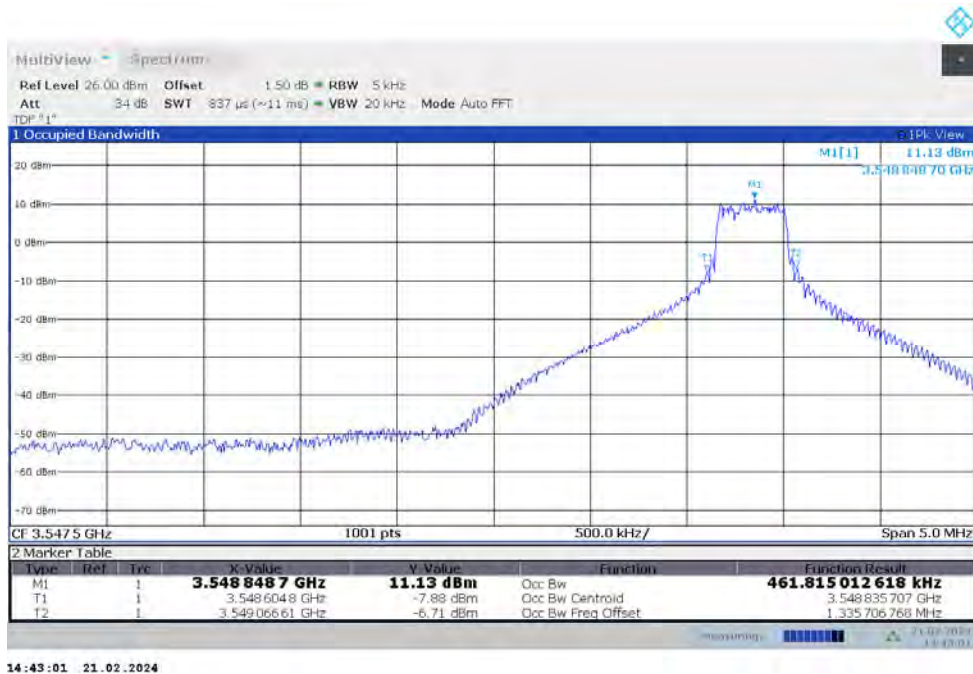
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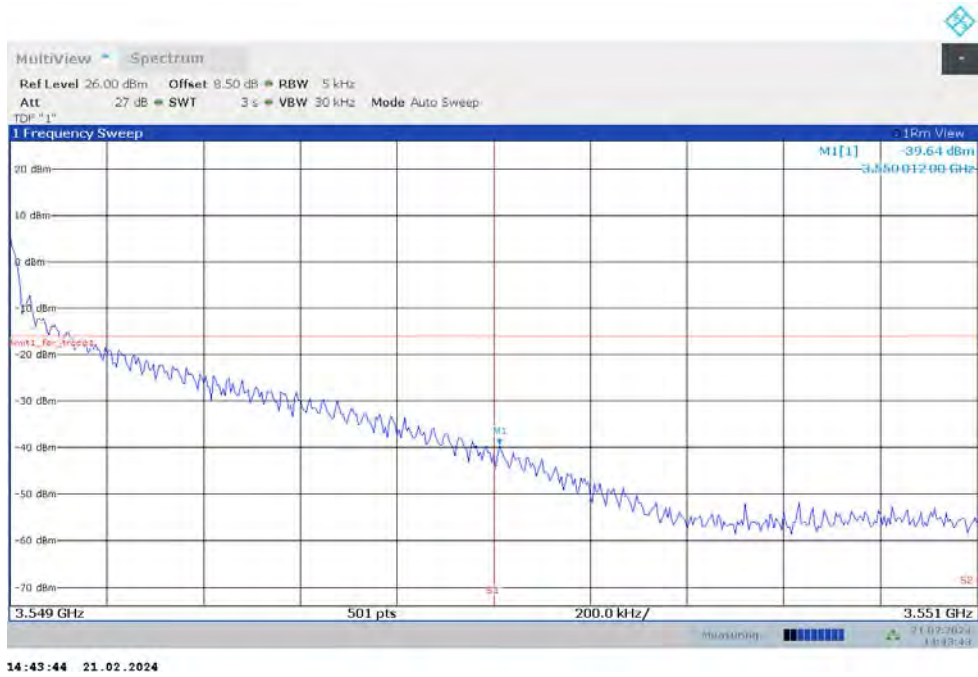
LOW BAND EDGE BLOCK-1RB-LOW_offset



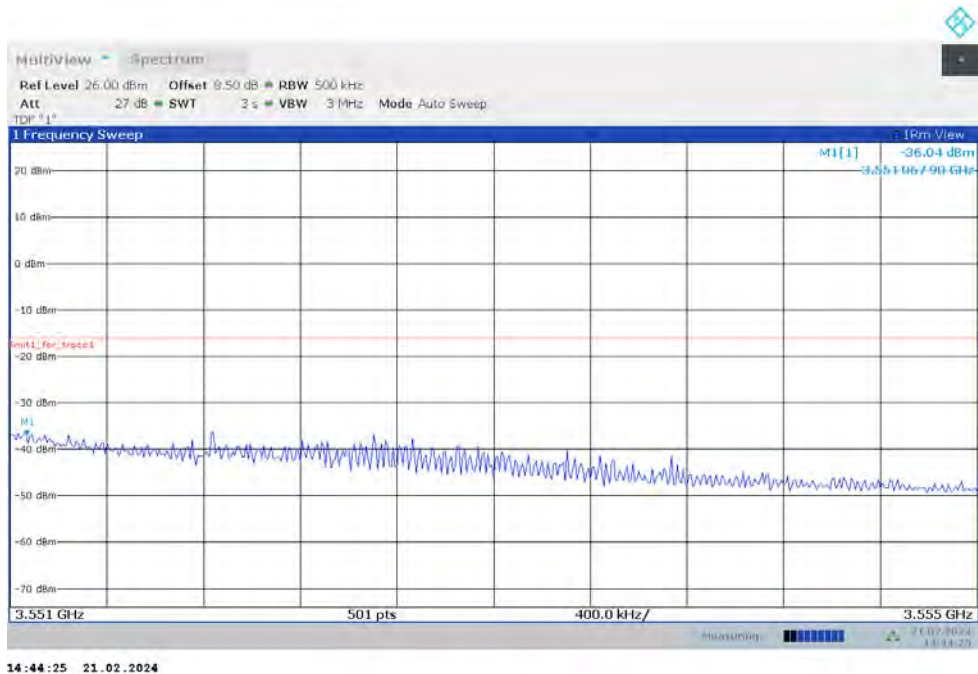
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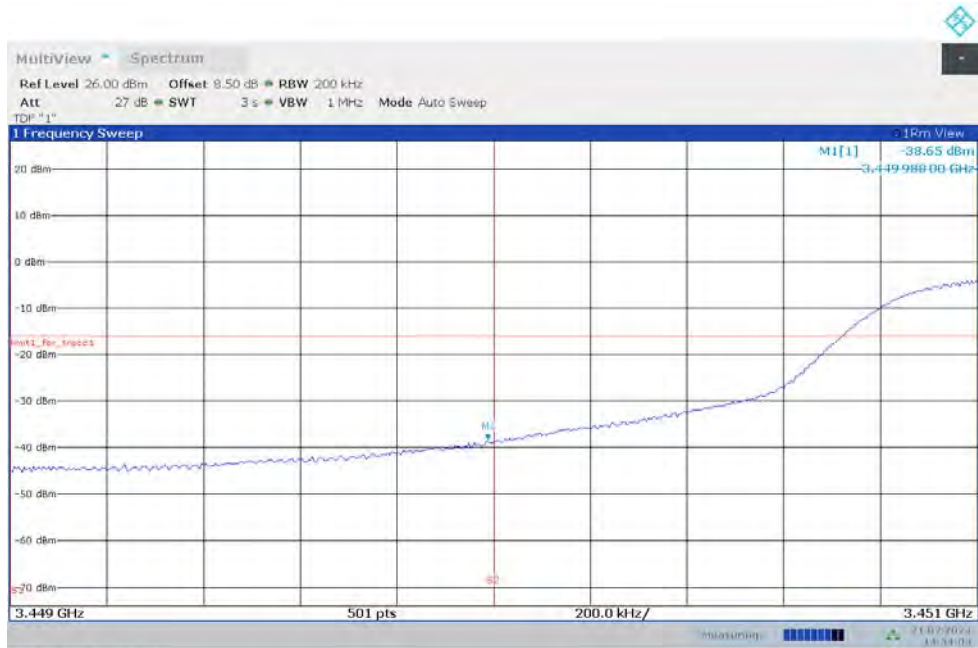
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



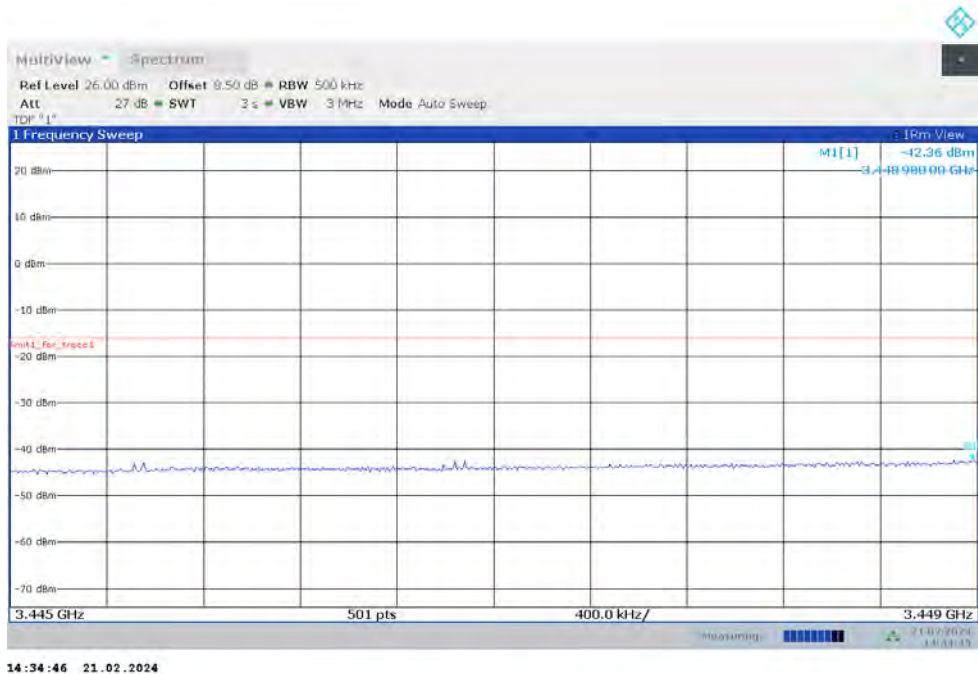
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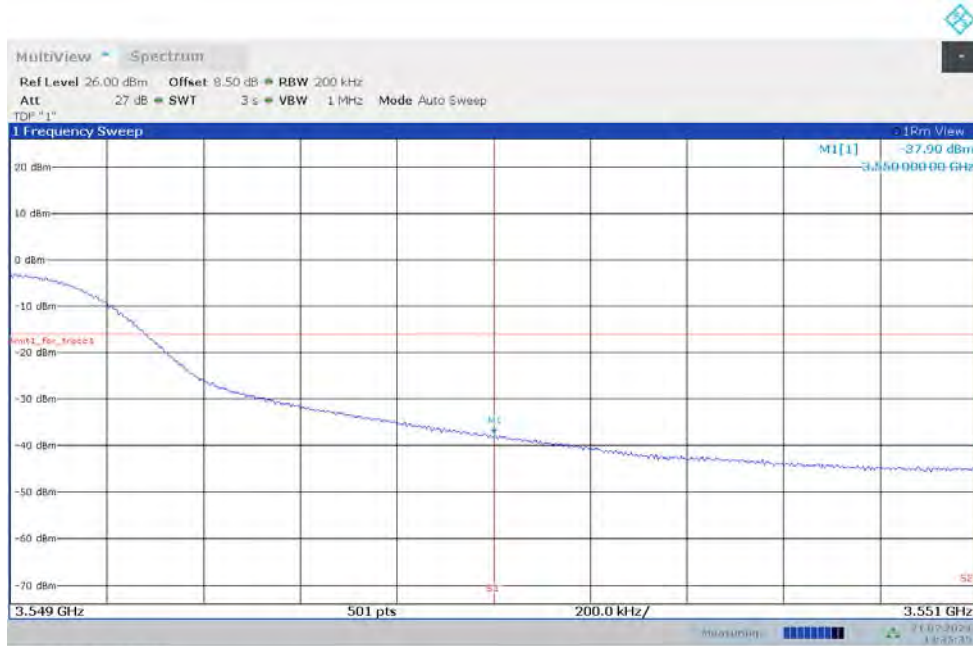
LOW BAND EDGE BLOCK-100M-100%RB



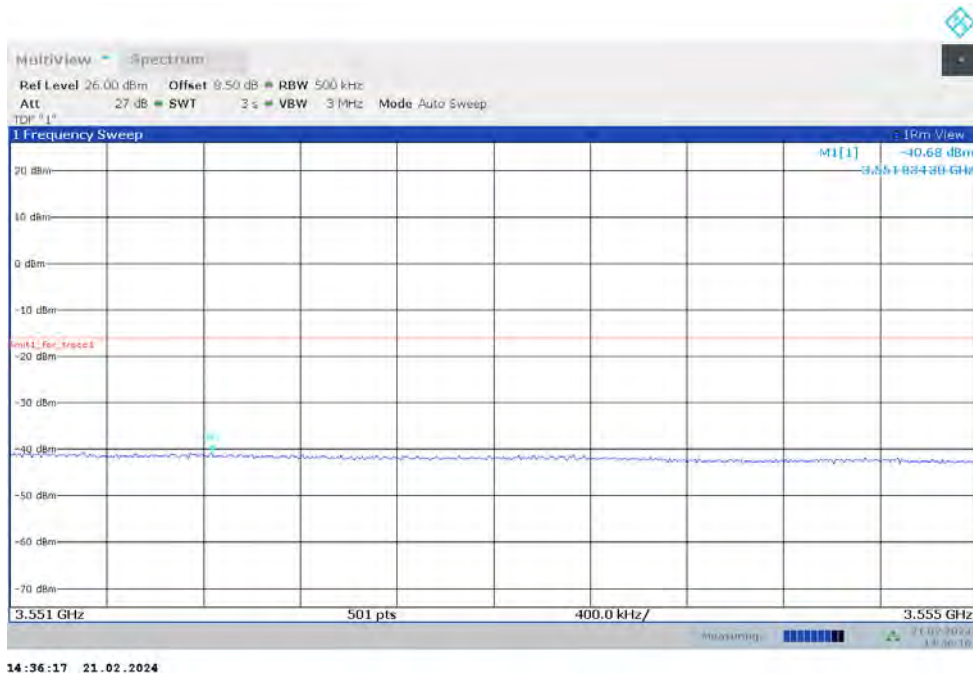
LOW BAND EDGE BLOCK-100M-100%RB



HIGH BAND EDGE BLOCK-100M-100%RB

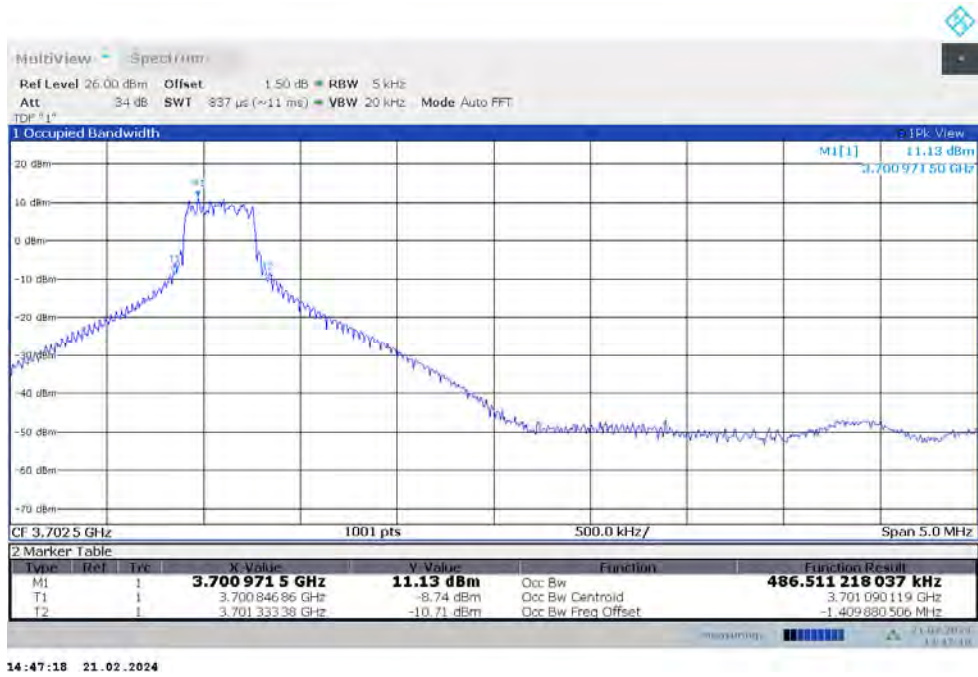


HIGH BAND EDGE BLOCK-100M-100%RB

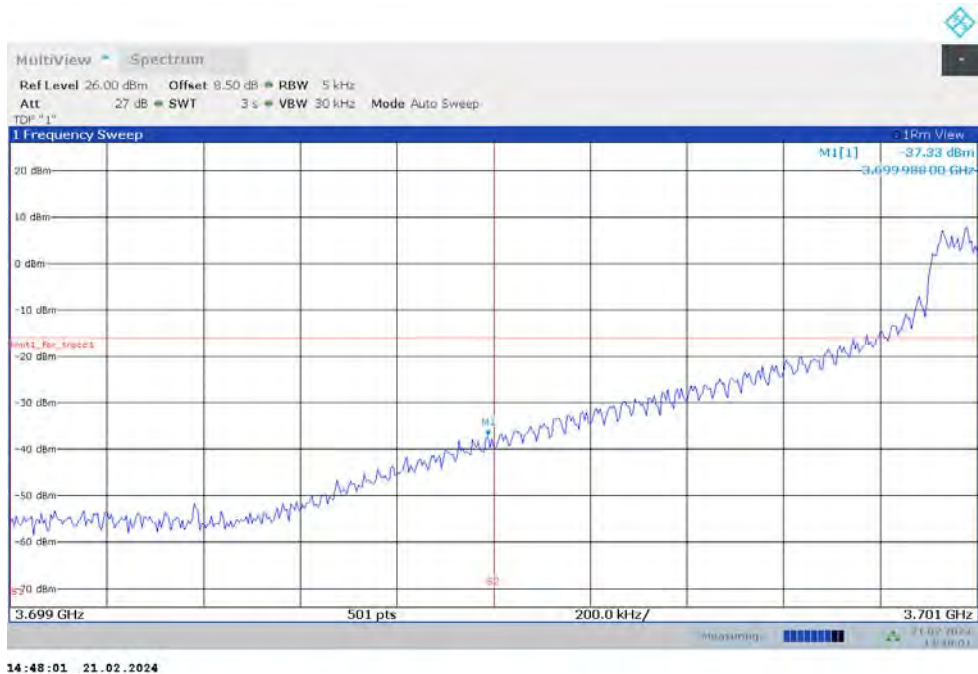


NR n77H-MIMO

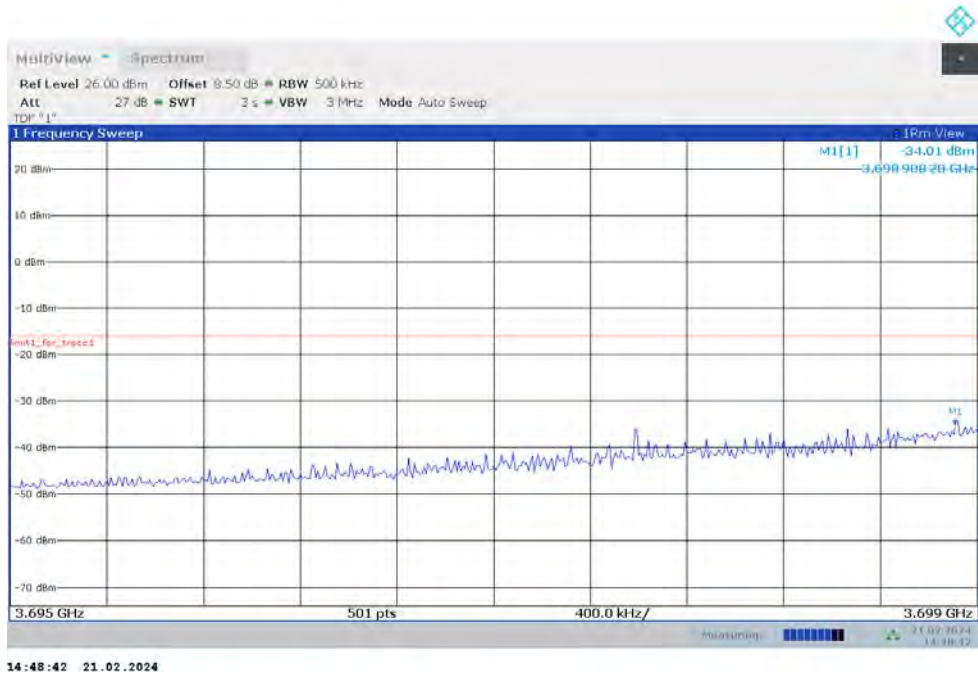
OBW: 1RB-LOW_offset



LOW BAND EDGE BLOCK-1RB-LOW_offset



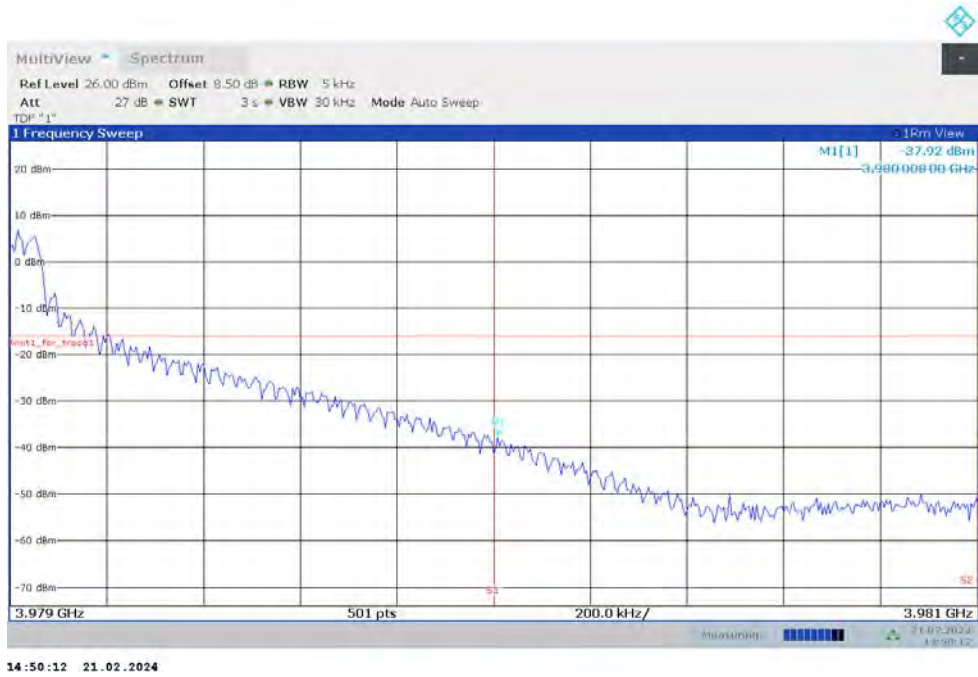
LOW BAND EDGE BLOCK-1RB-LOW_offset



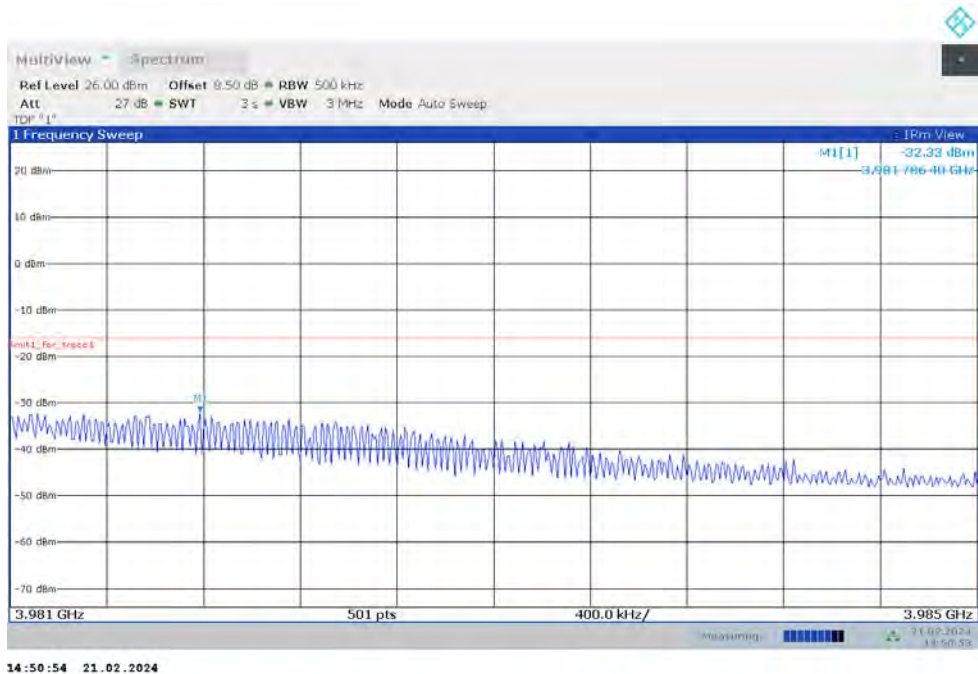
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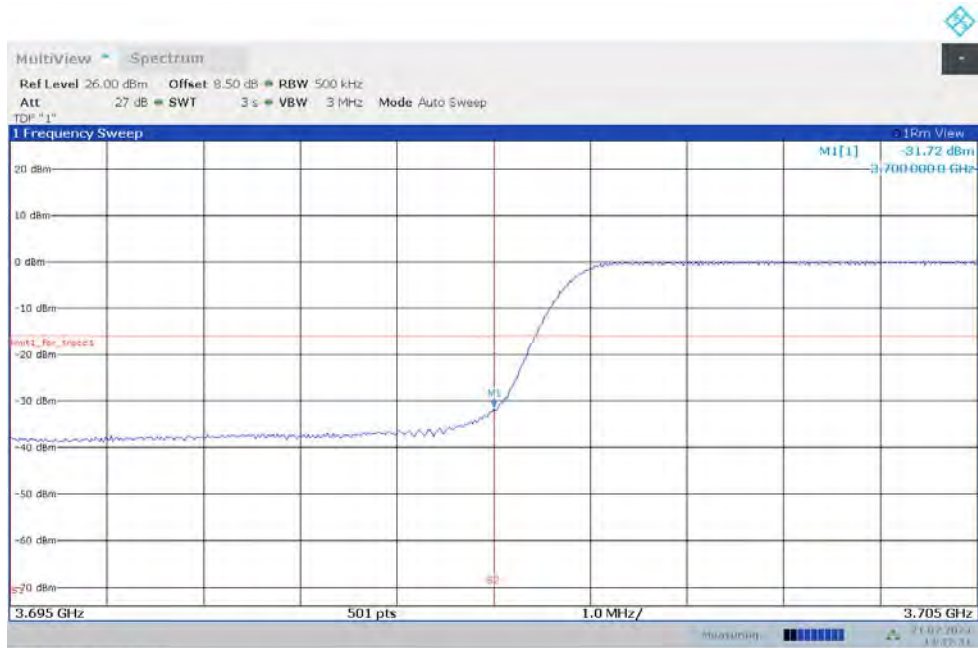
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



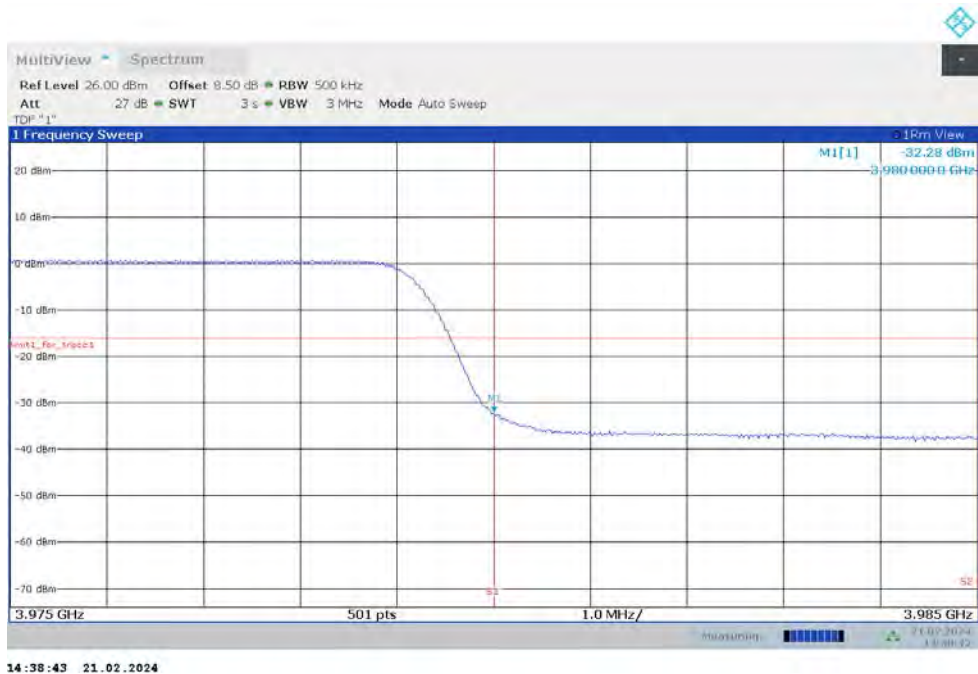
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



LOW BAND EDGE BLOCK-100M-100%RB



HIGH BAND EDGE BLOCK-100M-100%RB



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

A.7 Conducted Spurious Emission

A.7.1 Measurement Method

The following steps outline the procedure used to measure the conducted emissions from the EUT.

1. In measuring unwanted emissions, the spectrum shall be investigated from 30 MHz or the lowest radio frequency signal generated in the equipment, whichever is lower, without going below 9 kHz, up to at least the frequency given below:
 - (a) If the equipment operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
 - (b) If the equipment operates at or above 10 GHz: to the fifth harmonic of the highest fundamental frequency or to 100 GHz, whichever is lower.
2. Determine EUT transmit frequencies: below outlines the band edge frequencies pertinent to conducted emissions testing.
3. The number of sweep points of spectrum analyzer is greater than $2 \times \text{span}/\text{RBW}$.

A. 7.2 Measurement Limit

Part 24.238 and Part 27.53(h) specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

Part 27.53(m) specifies for mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Part 27.53(g) states for operations in the 600 MHz band and the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

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.

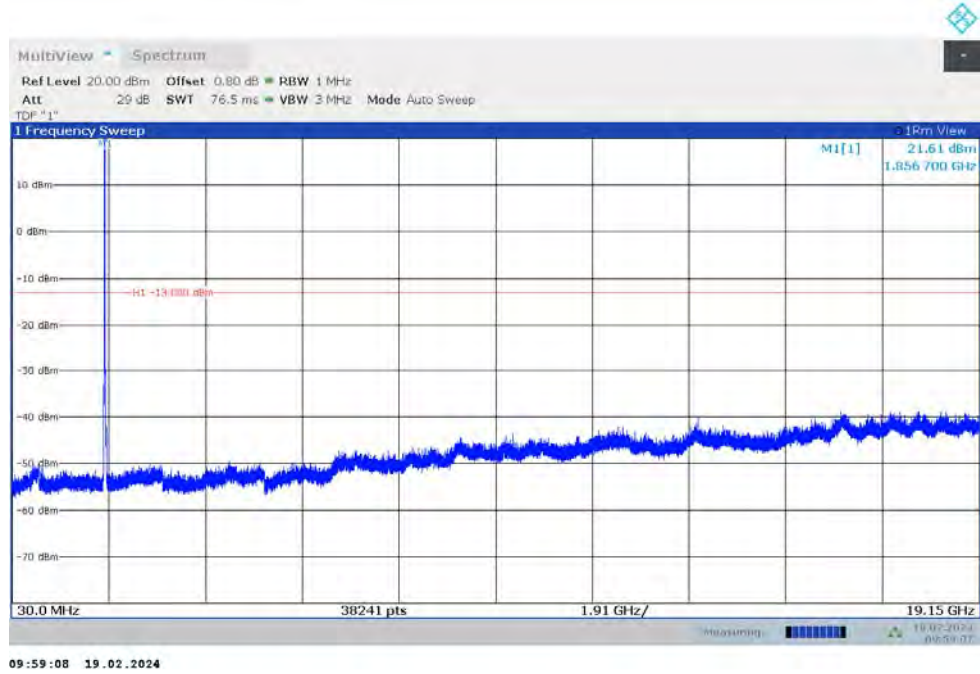
Part 27.53(l) states for mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

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.

A. 7.3 Measurement result

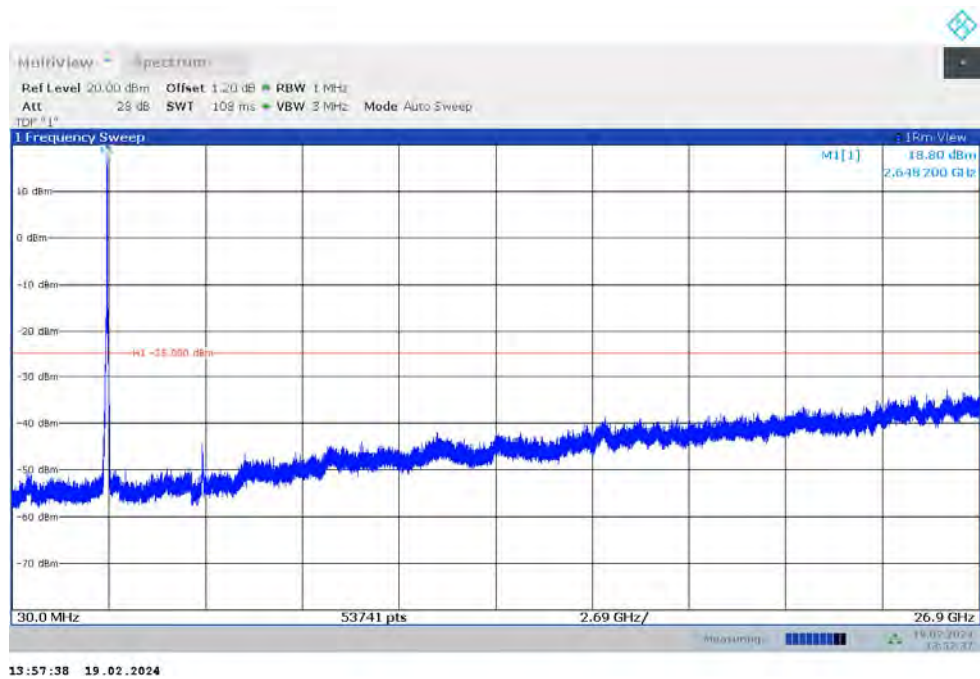
n25

NOTE: peak above the limit line is the carrier frequency.



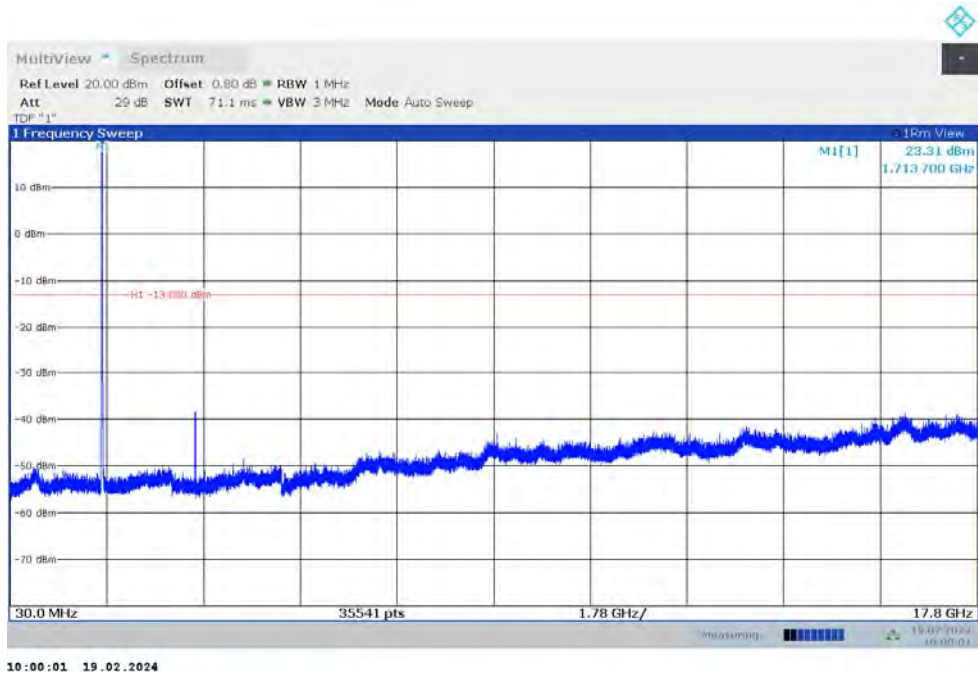
n41

NOTE: peak above the limit line is the carrier frequency.



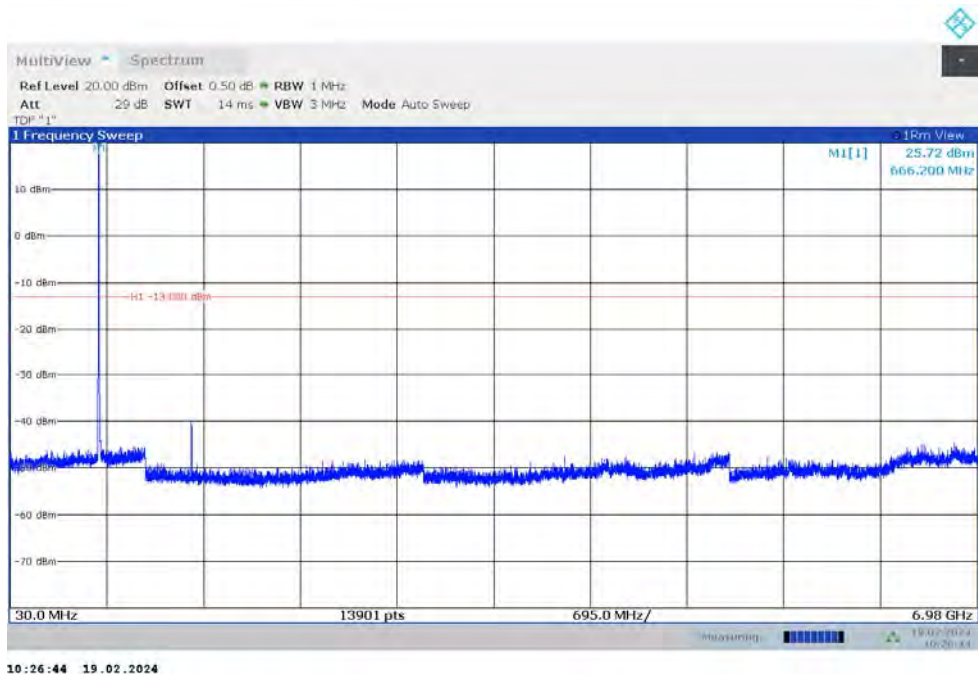
n66

NOTE: peak above the limit line is the carrier frequency.



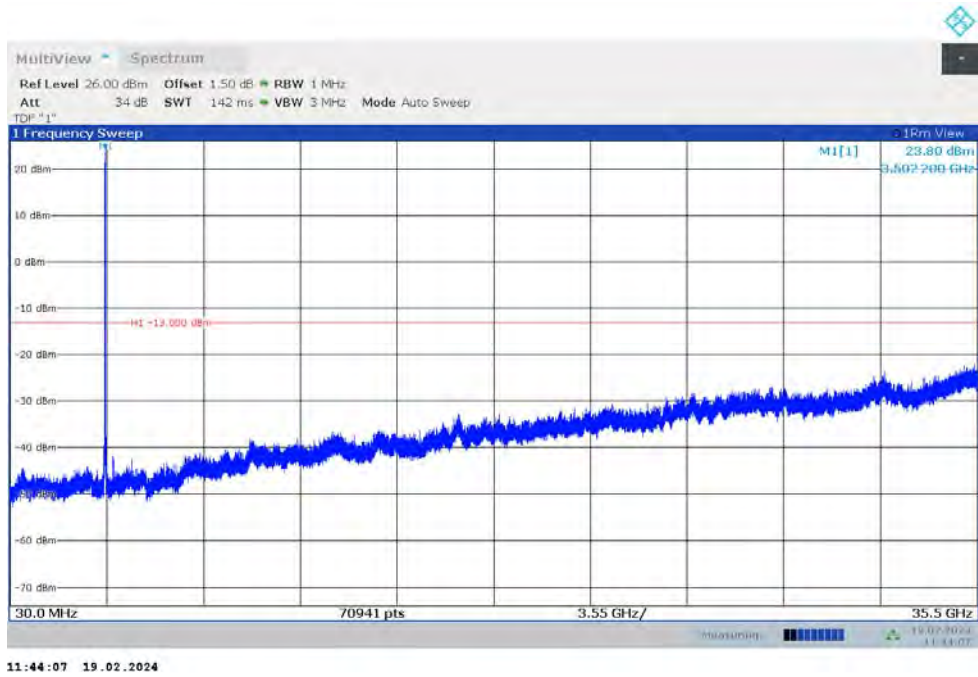
n71

NOTE: peak above the limit line is the carrier frequency.



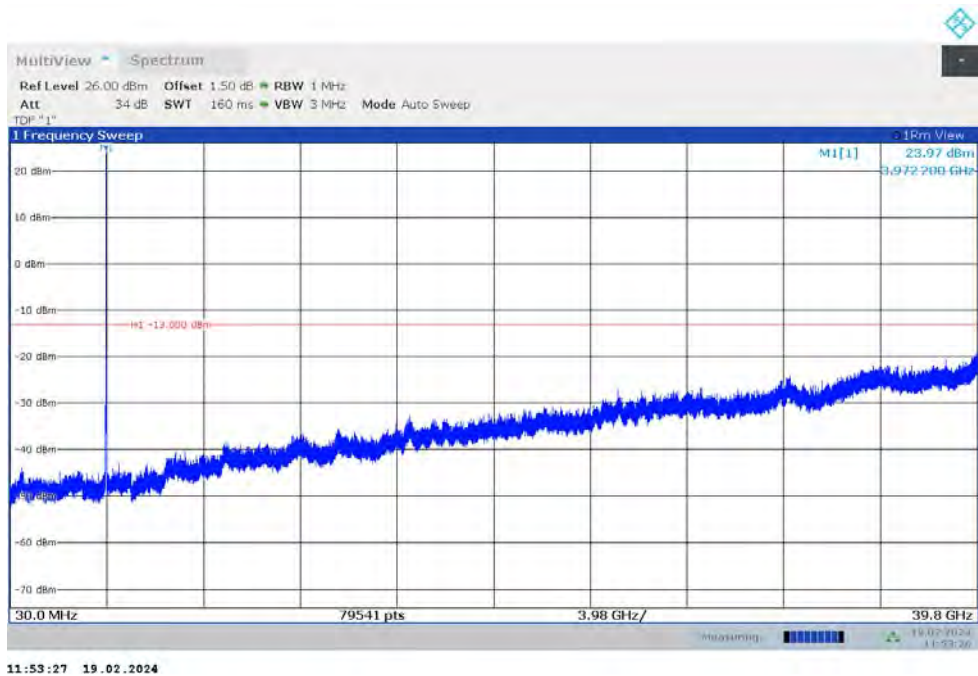
n77L

NOTE: peak above the limit line is the carrier frequency.



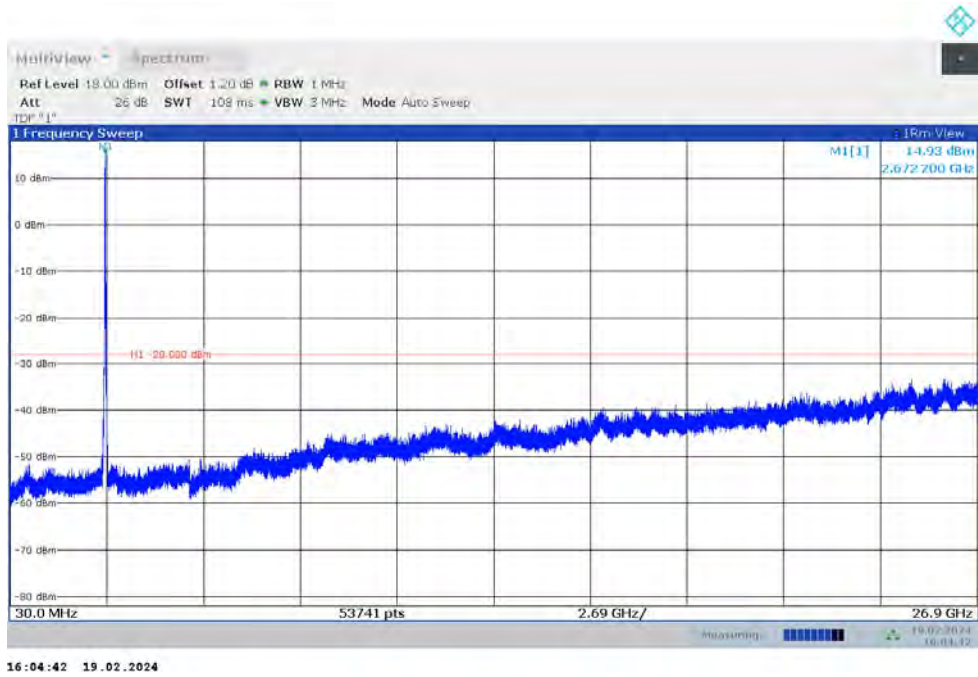
n77H

NOTE: peak above the limit line is the carrier frequency.



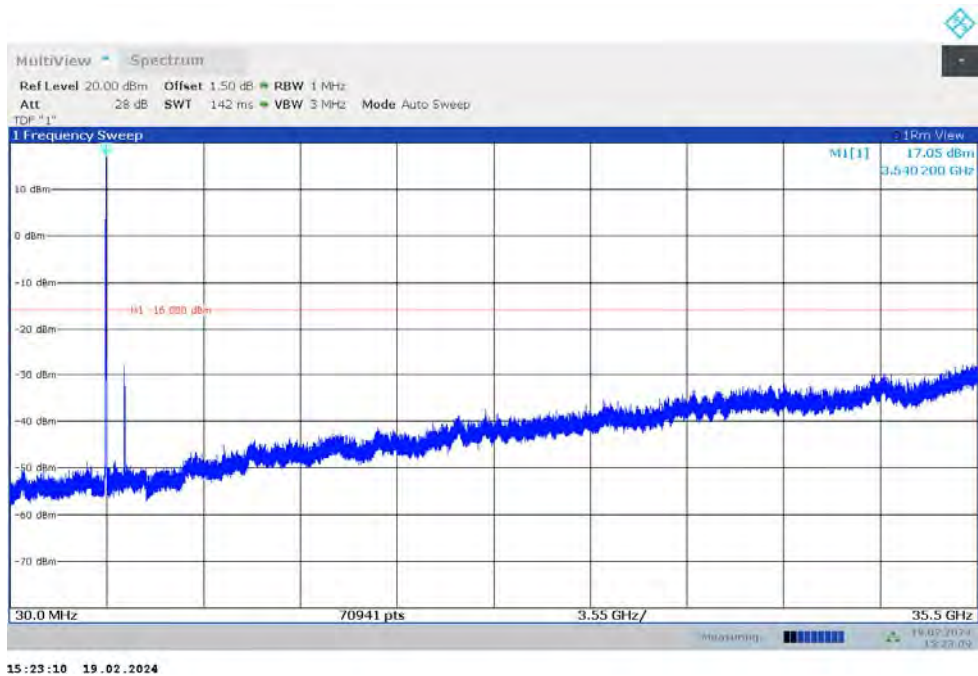
n41-MIMO

NOTE: peak above the limit line is the carrier frequency.



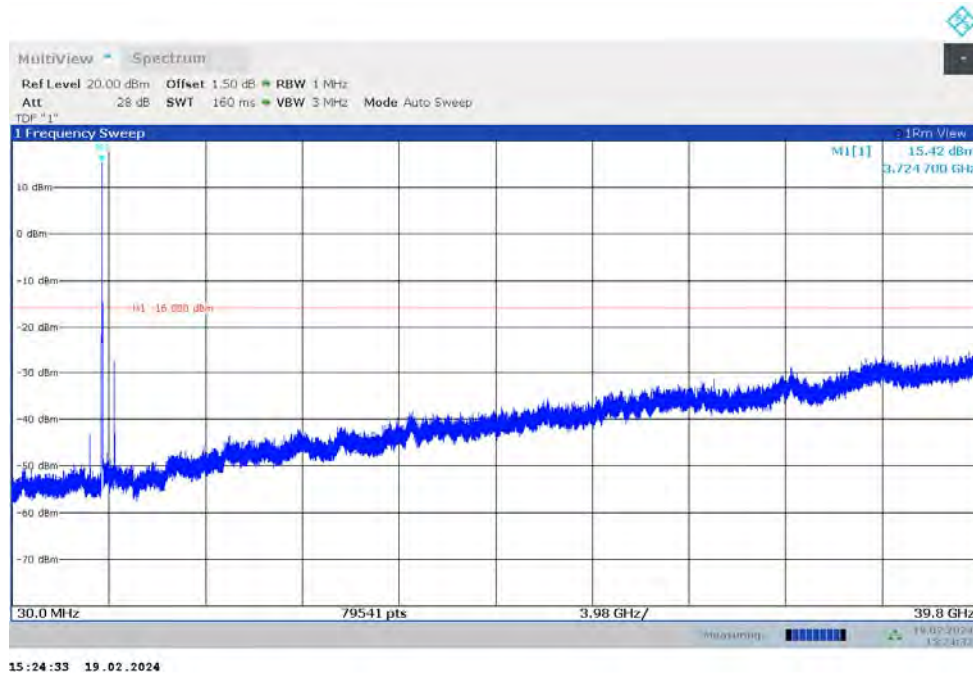
n77L-MIMO

NOTE: peak above the limit line is the carrier frequency.



n77H-MIMO

NOTE: peak above the limit line is the carrier frequency.



Note: The maximum value of expanded measurement uncertainty for this test item is $U = 0.372$ dB, $k = 2$.

A.8 Peak-to-Average Power Ratio

The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB

- a) Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;
- b) Set resolution/measurement bandwidth \geq signal's occupied bandwidth;
- c) Set the number of counts to a value that stabilizes the measured CCDF curve;
- d) Record the maximum PAPR level associated with a probability of 0.1%.

Measurement results

n25,20MHz

Frequency (MHz)	PAPR (dB)								
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM	DFT-s-64QAM	DFT-s-256QAM	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
1882.5	3.76	4.78	5.62	5.76	6.30	6.82	6.82	6.88	7.98

n41,100MHz

Frequency (MHz)	PAPR (dB)								
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM	DFT-s-64QAM	DFT-s-256QAM	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
2592.99	4.16	5.02	5.88	6.21	6.55	7.20	7.18	7.19	8.45

n66,20MHz

Frequency (MHz)	PAPR (dB)								
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM	DFT-s-64QAM	DFT-s-256QAM	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
1745	3.62	4.82	5.58	5.74	6.32	6.66	6.60	6.66	8.10

n71,20MHz

Frequency (MHz)	PAPR (dB)								
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM	DFT-s-64QAM	DFT-s-256QAM	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
680.5	3.94	5.24	6.14	6.16	6.42	7.16	7.28	7.14	8.38

n77L,100MHz

Frequency (MHz)	PAPR (dB)								
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM	DFT-s-64QAM	DFT-s-256QAM	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
3500.01	4.53	5.26	6.02	6.30	6.66	7.37	7.36	7.42	8.31

n77H,100MHz

Frequency (MHz)	PAPR (dB)								
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM	DFT-s-64QAM	DFT-s-256QAM	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
3840	3.74	4.87	6.15	6.50	6.64	7.73	7.63	7.98	8.21

n41-MIMO,100MHz

Frequency (MHz)	PAPR (dB)			
	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
2592.99	7.69	7.59	7.44	8.54

n77L-MIMO,100MHz

Frequency (MHz)	PAPR (dB)			
	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
3500.01	7.74	7.70	7.51	8.39

n77H-MIMO,100MHz

Frequency (MHz)	PAPR (dB)			
	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
3840	7.88	7.80	8.02	8.21

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 0.356 \text{ dB}$, $k = 2$.

Annex B: Accreditation Certificate



Accredited Laboratory

A2LA has accredited

TELECOMMUNICATION TECHNOLOGY LABS, CAICT
Beijing, People's Republic of China

for technical competence in the field of
Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 26th day of June 2023.



Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 7049.01
Valid to July 31, 2024

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

*****END OF REPORT*****