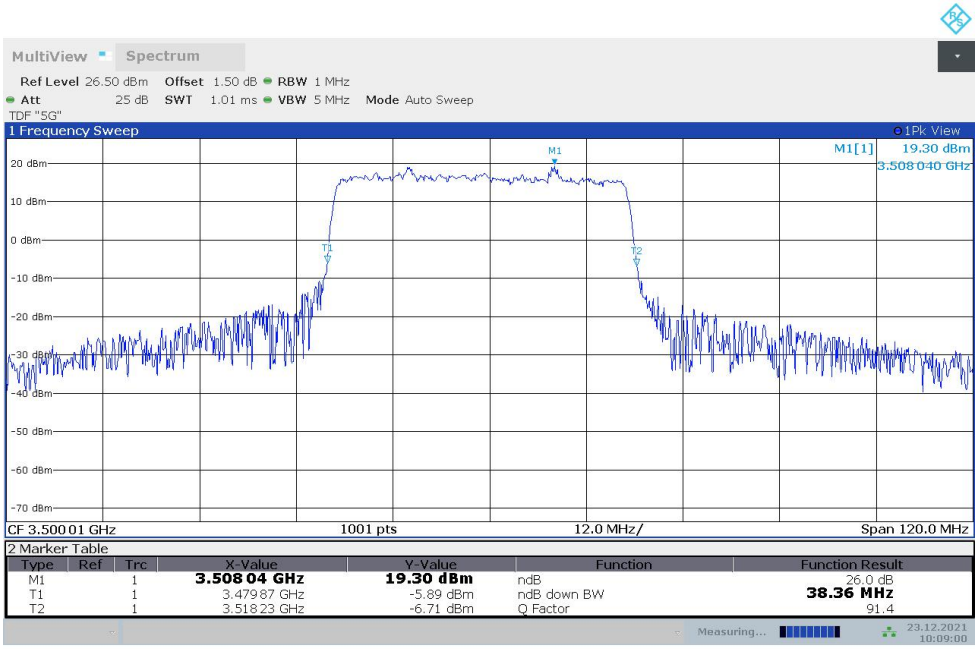
LTE Band 66+NR n78L

n78L,40MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	38.360	38.960

n78L,40MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



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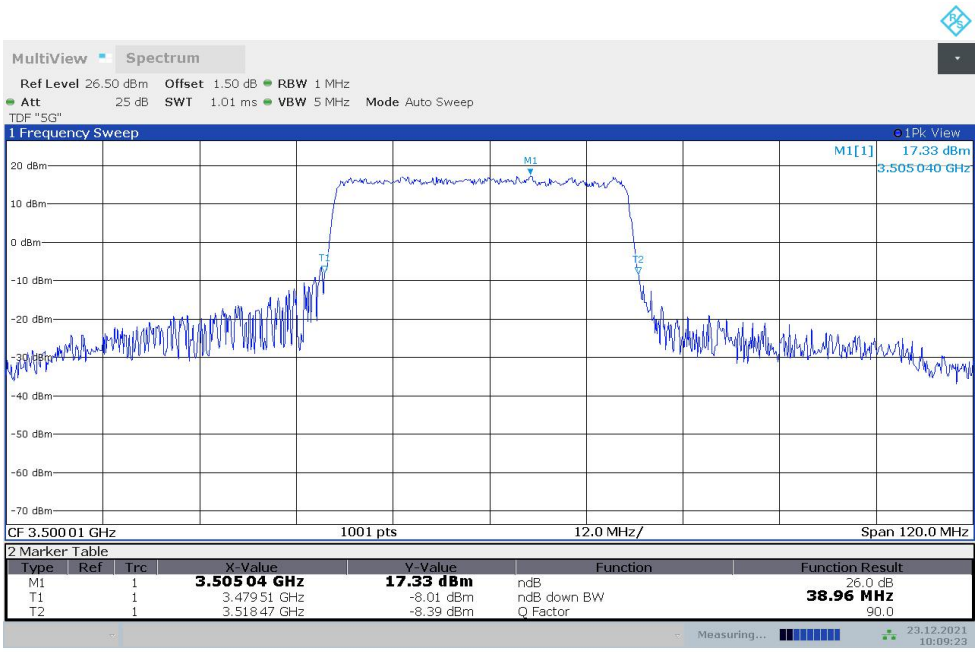
n78L,40MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



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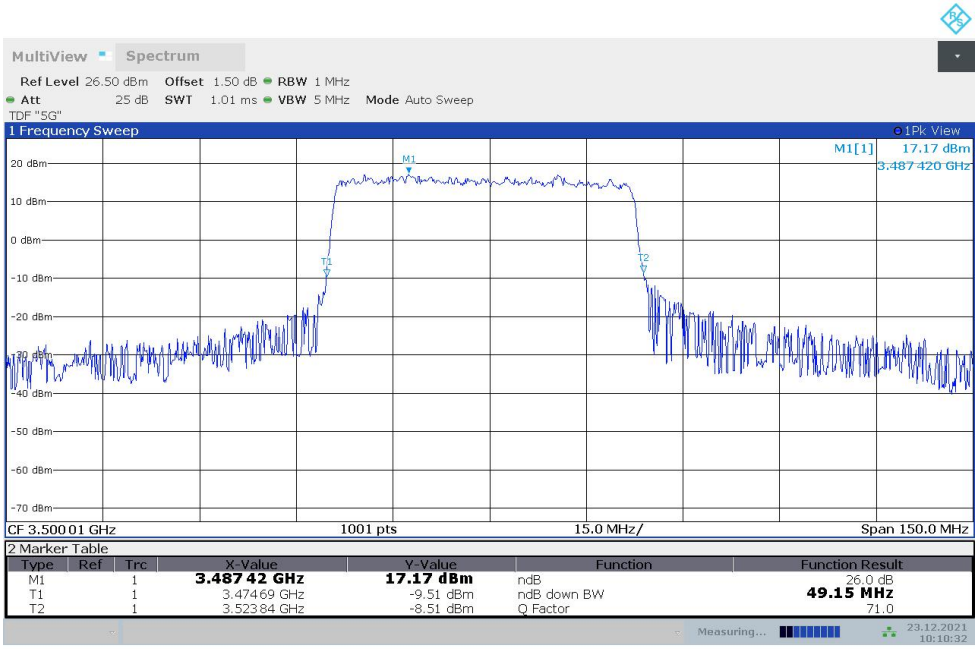
LTE Band 66+NR n78L

n78L,50MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	49.150	48.850

n78L,50MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



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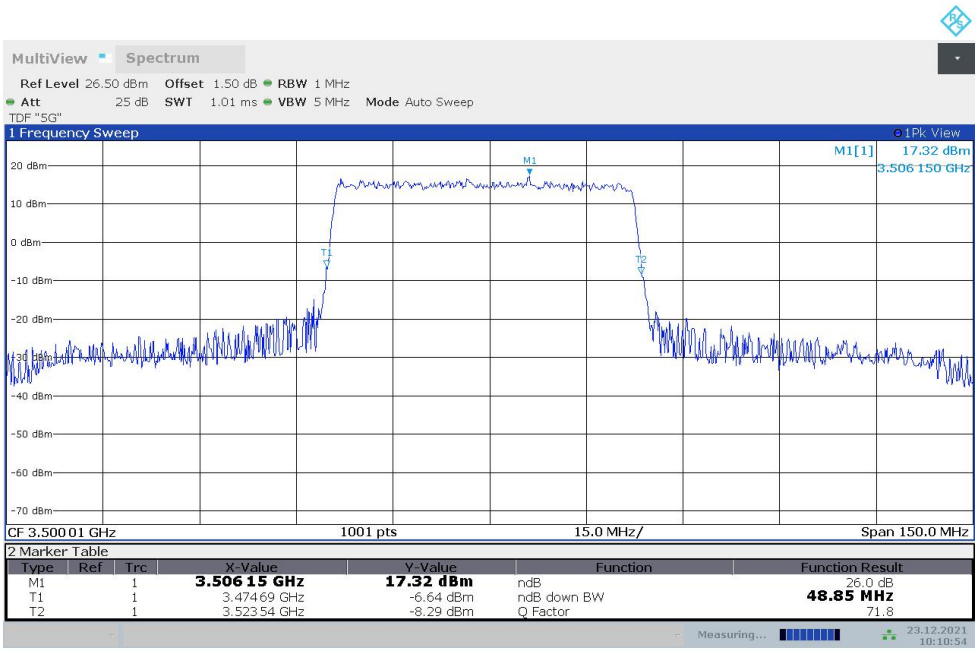
n78L,50MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



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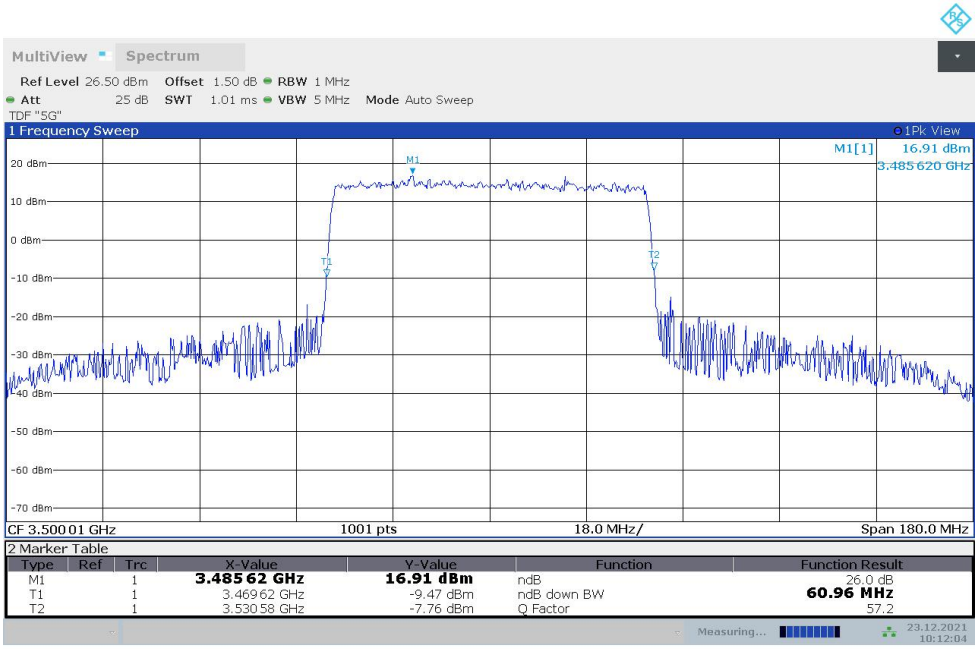
LTE Band 66+NR n78L

n78L,60MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	60.960	60.960

n78L,60MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



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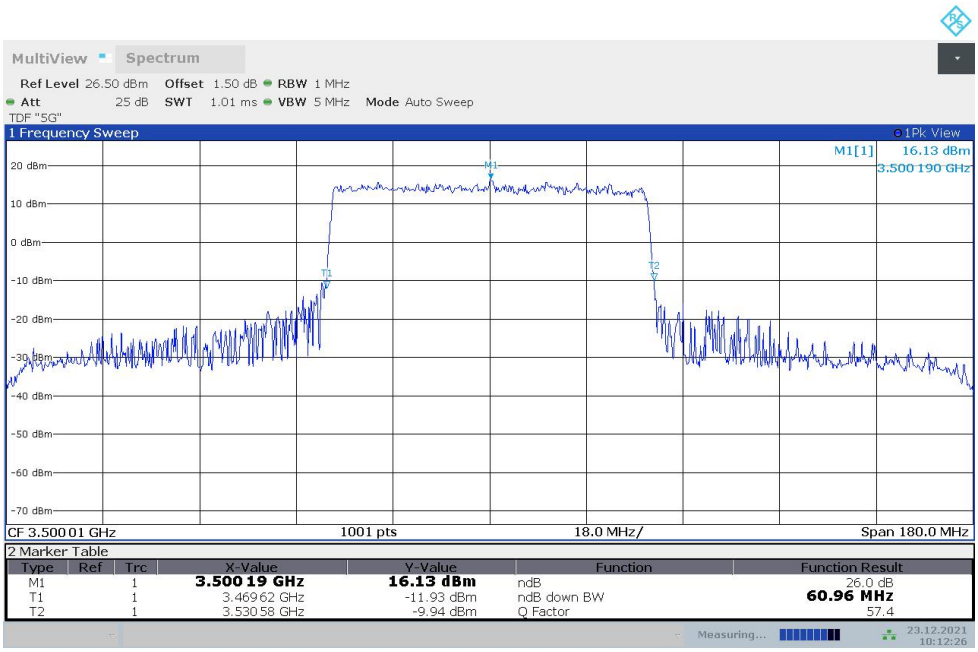
n78L,60MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



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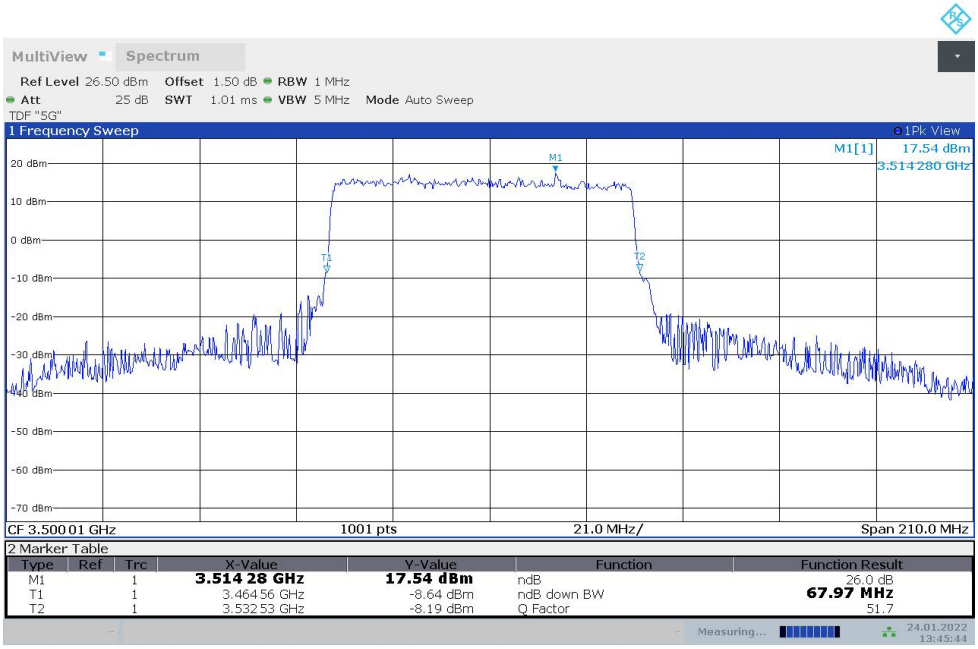
LTE Band 66+NR n78L

n78L,70MHz(-26dBc)

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

n78L,70MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



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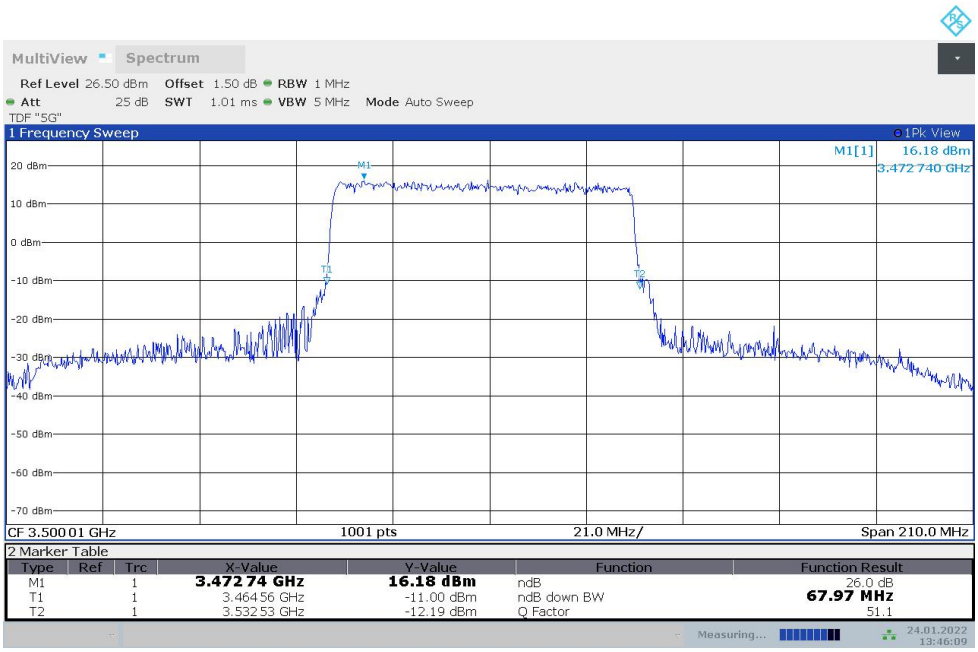
n78L,70MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



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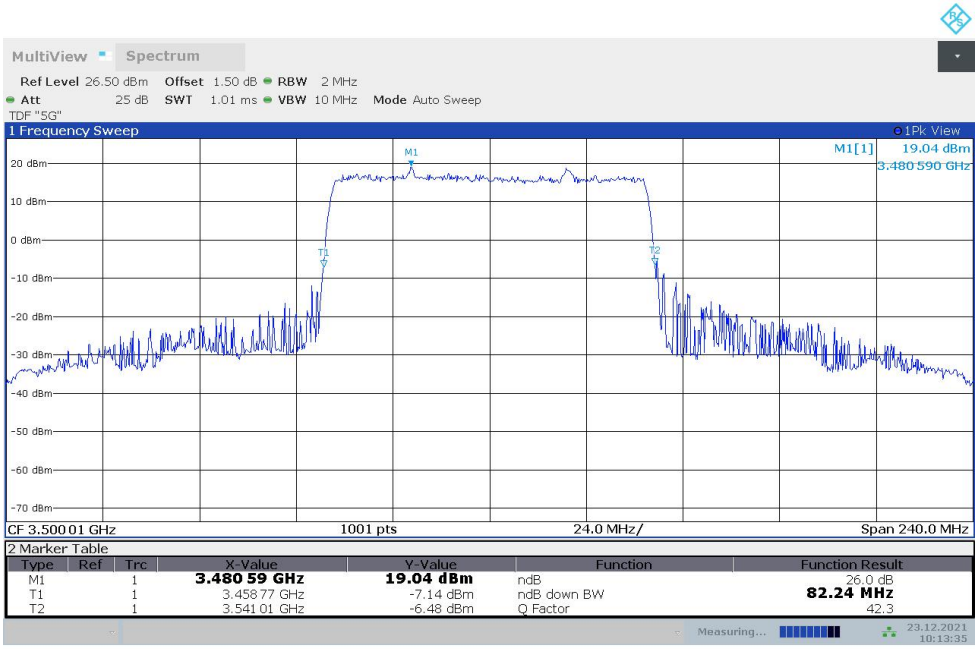
LTE Band 66+NR n78L

n78L,80MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	82.240	82.480

n78L,80MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



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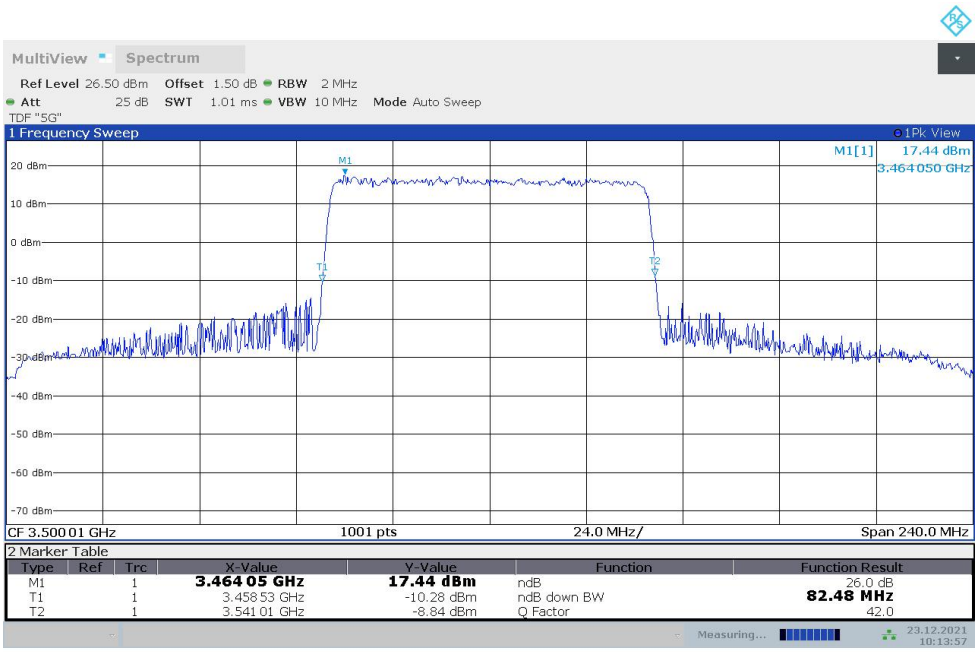
n78L,80MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



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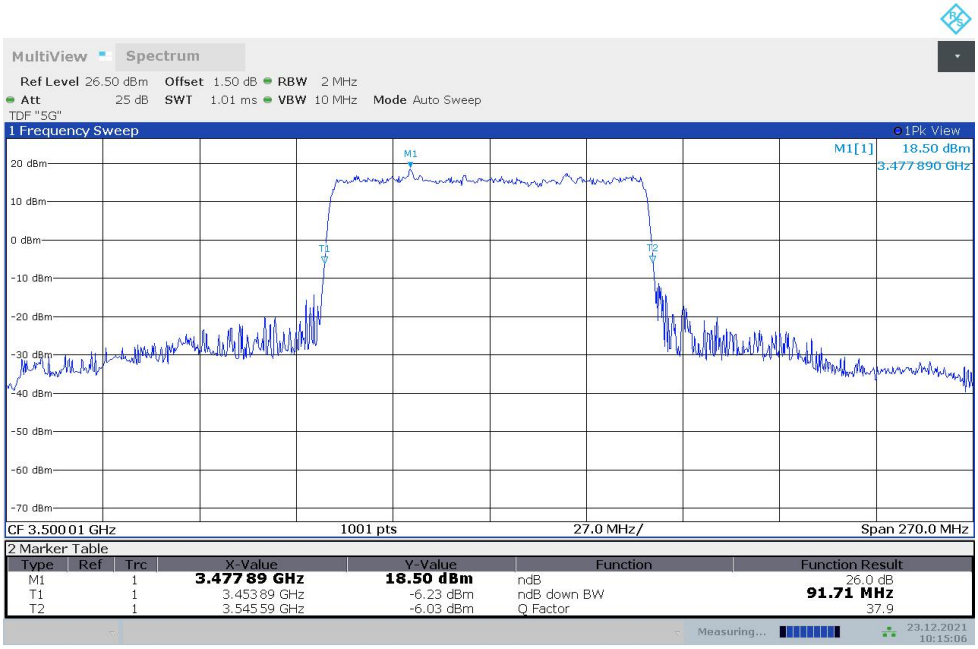
LTE Band 66+NR n78L

n78L,90MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	91.710	92.250

n78L,90MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



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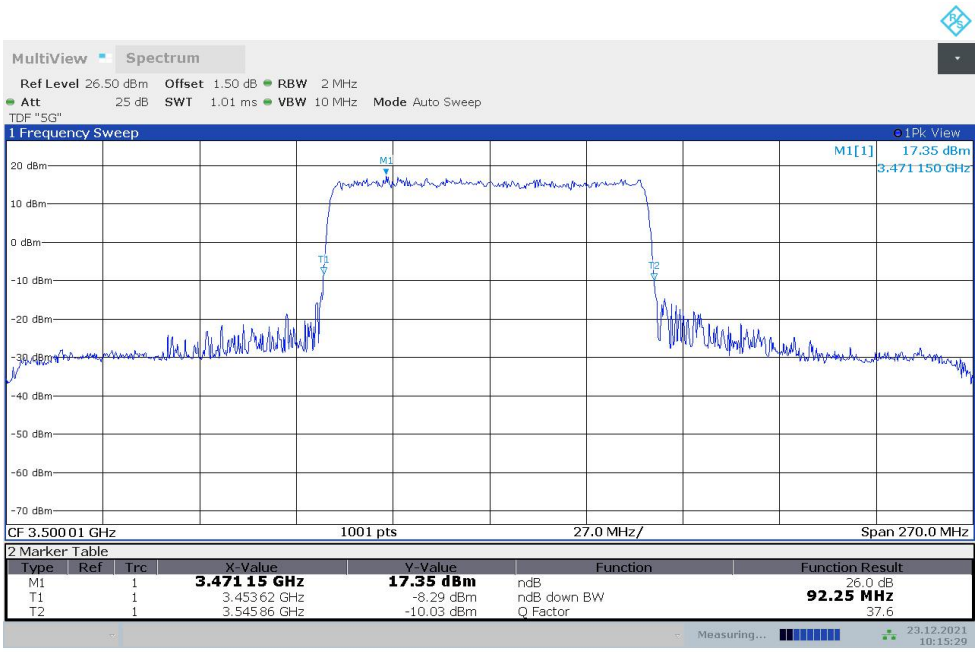
n78L,90MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



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A.6 Band Edge Compliance

A.6.1 Measurement limit

Part 27.53(h) specifies 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 that 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(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/duty cycle)] for the non-continuous transmitting scenario.

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A.6.2 Measurement result

NR n77L

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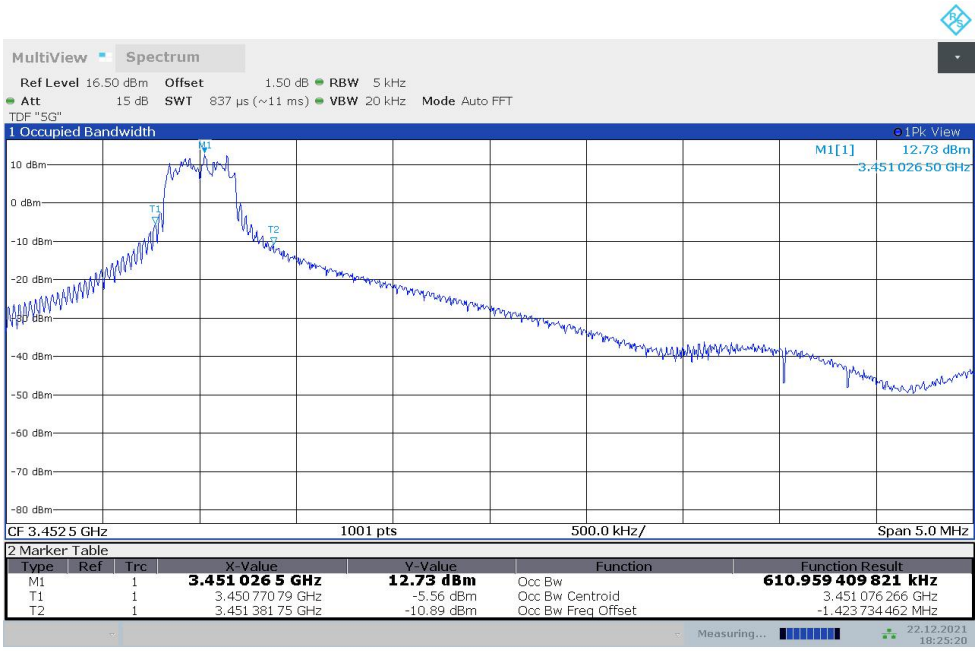

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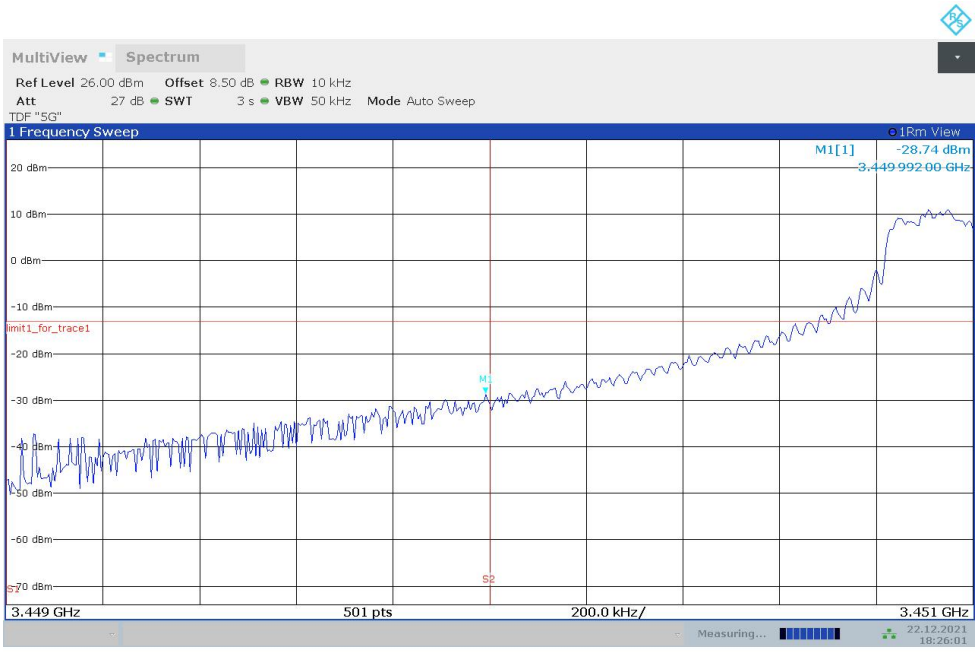

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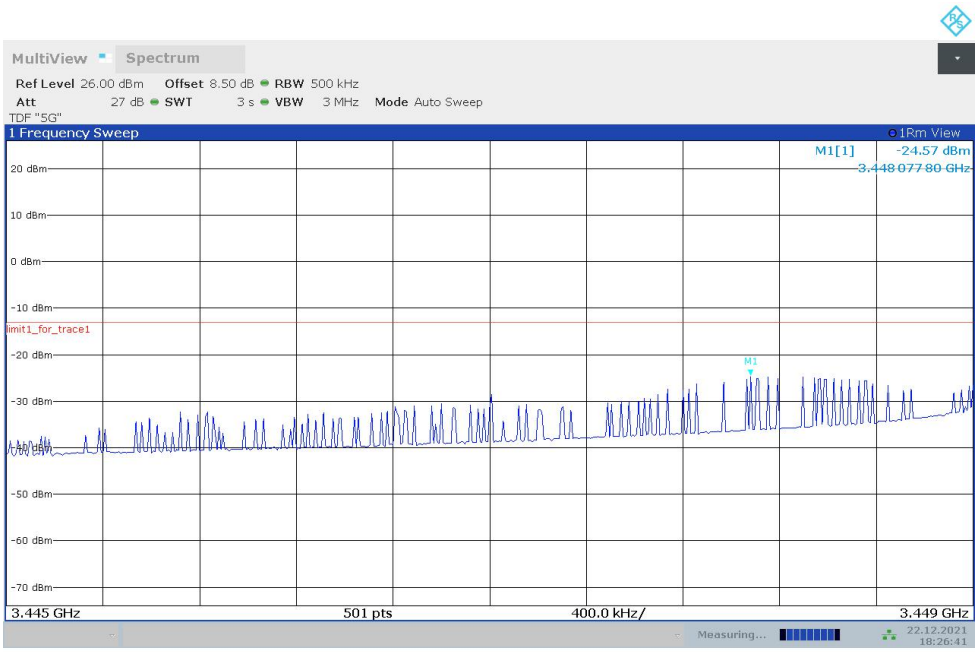

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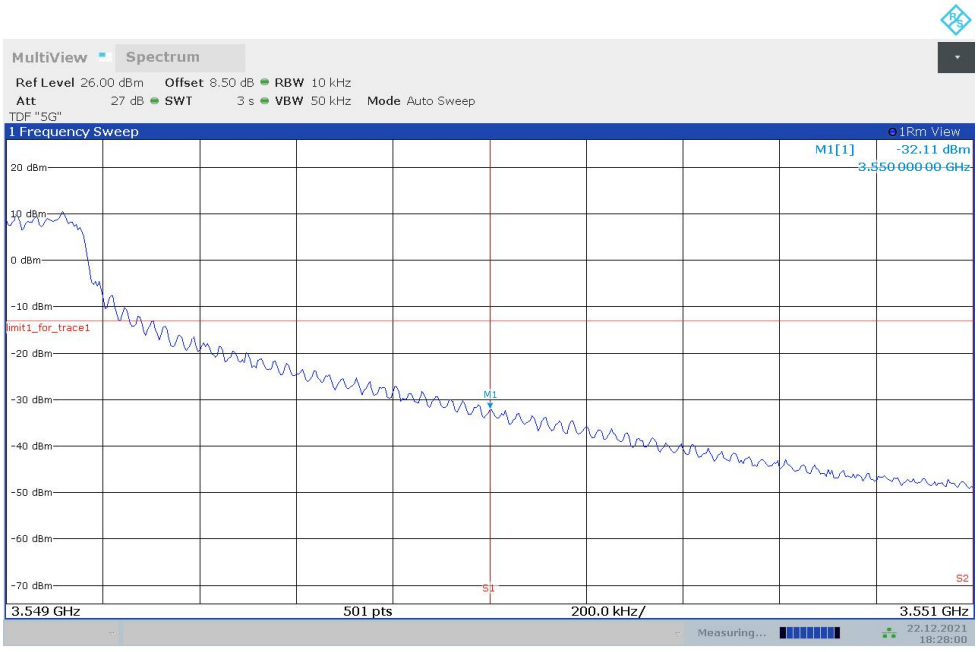

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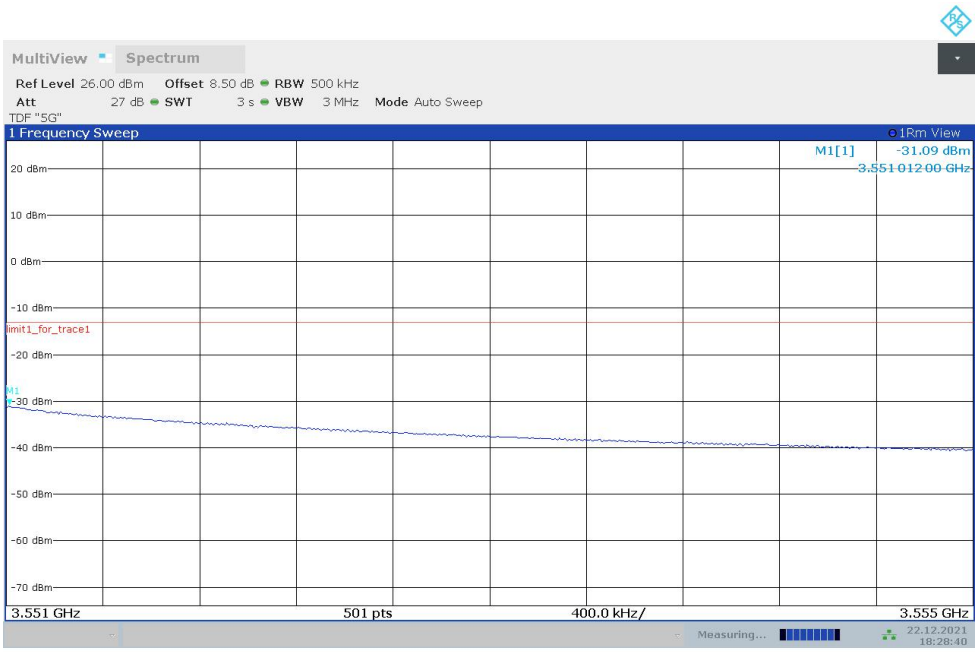

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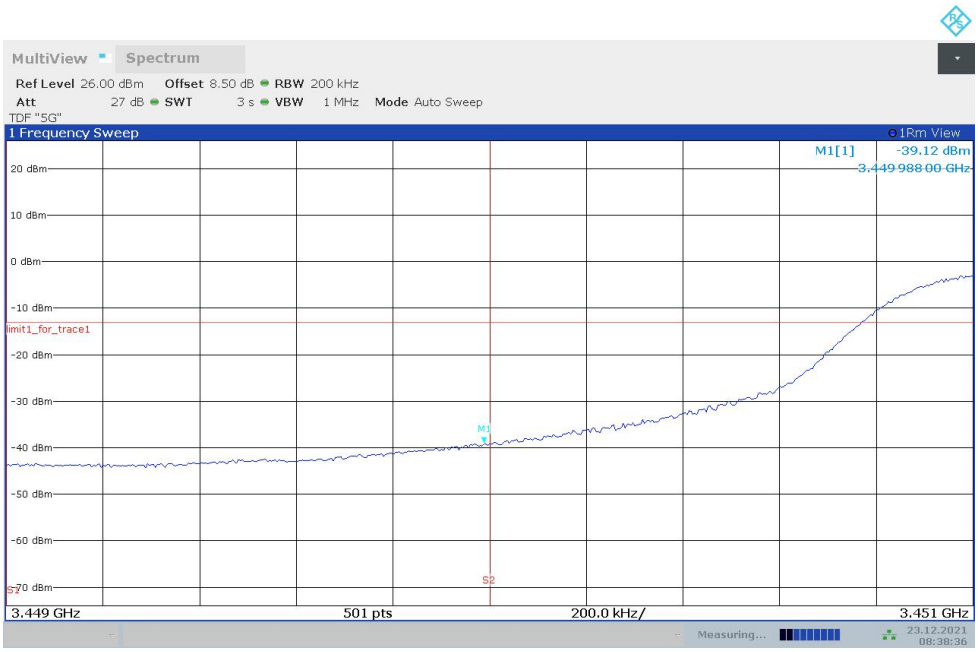
LOW BAND EDGE BLOCK-90M-100%RB



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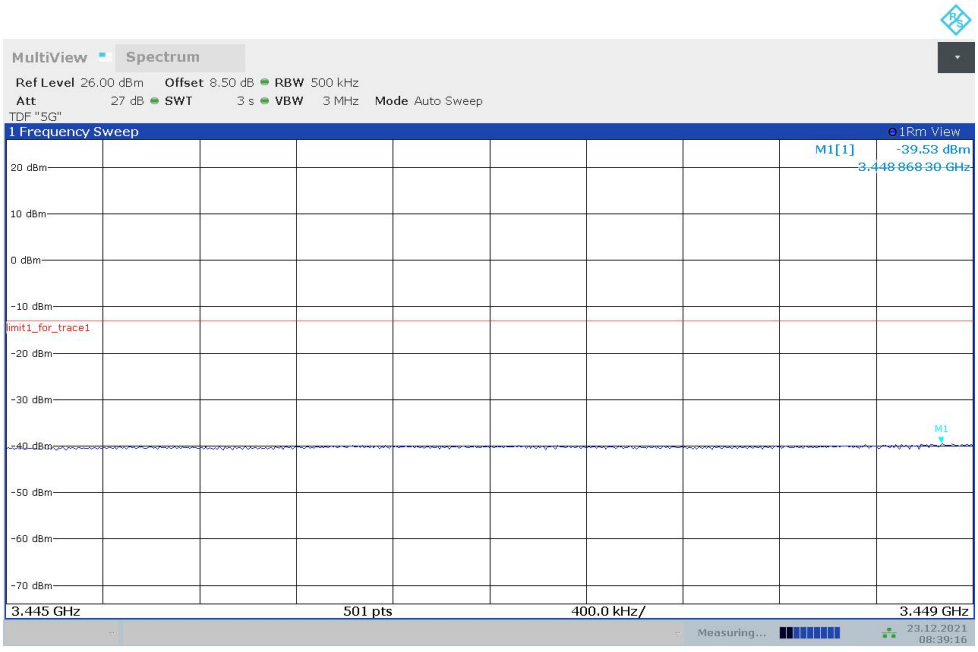

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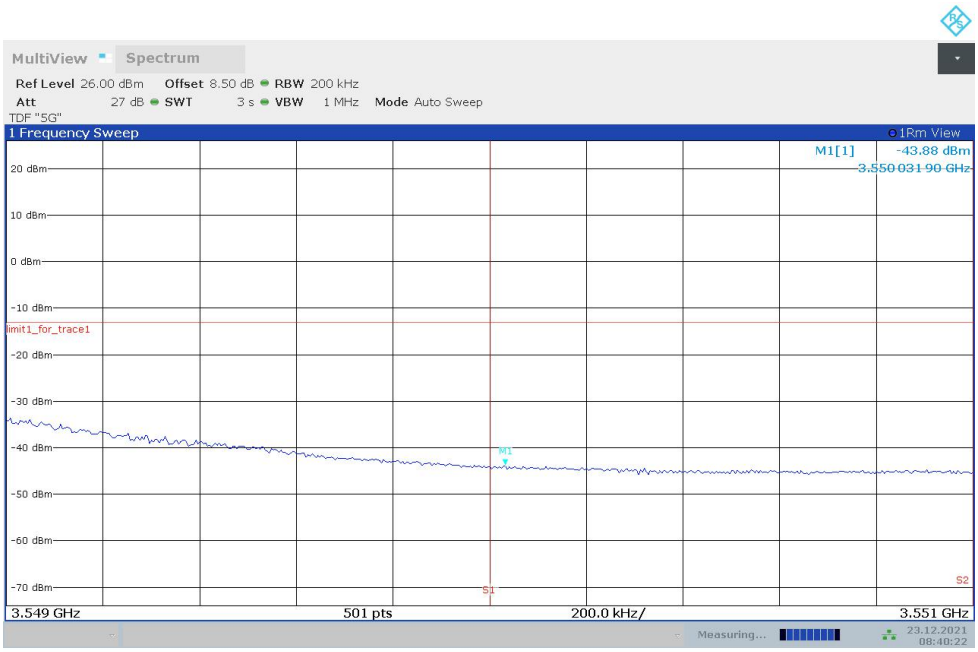
HIGH BAND EDGE BLOCK-90M-100%RB



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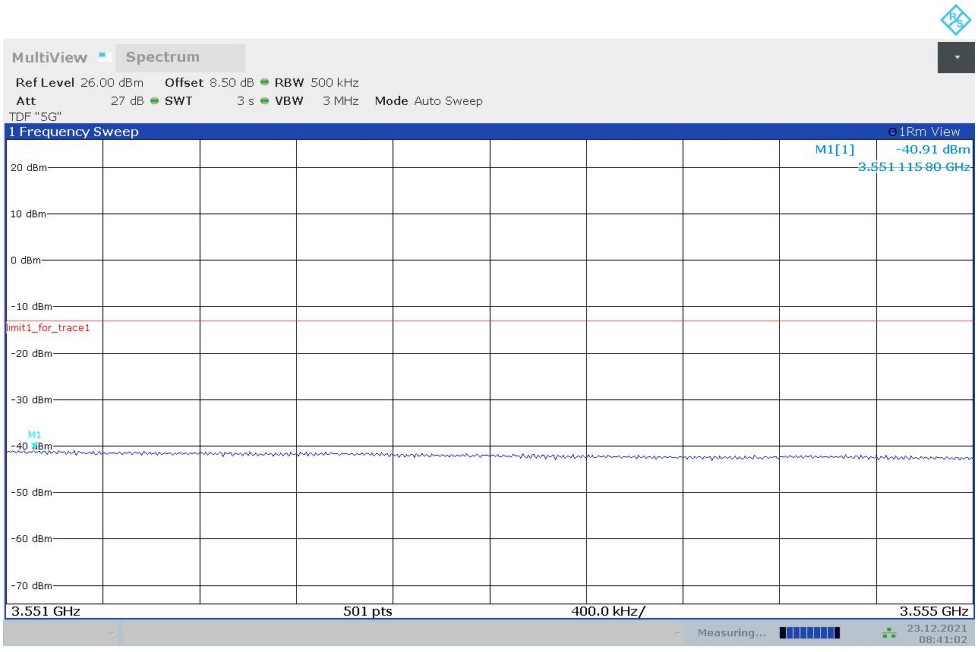

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NR n77H

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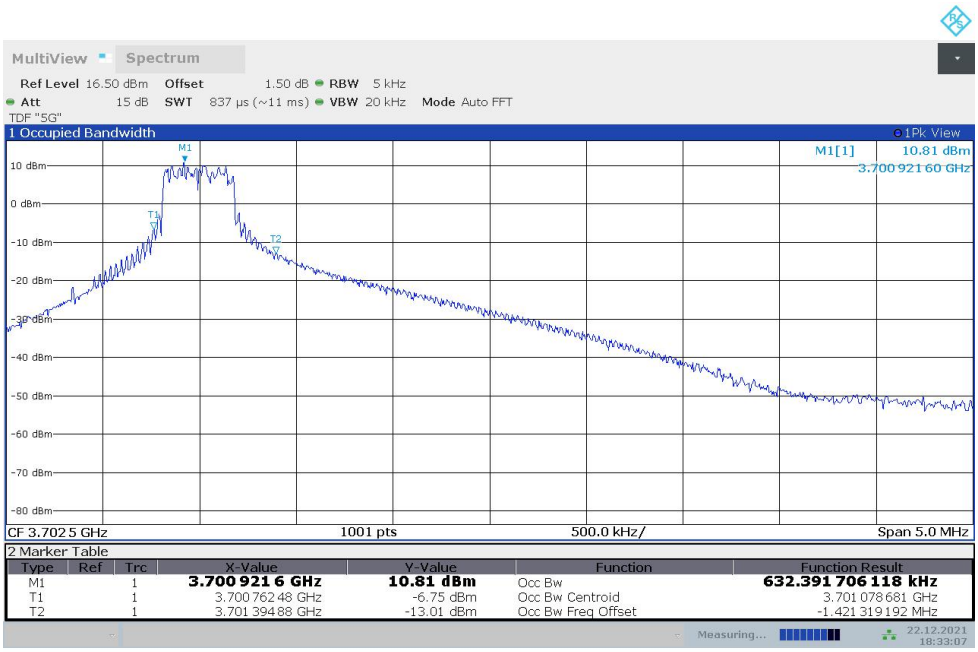

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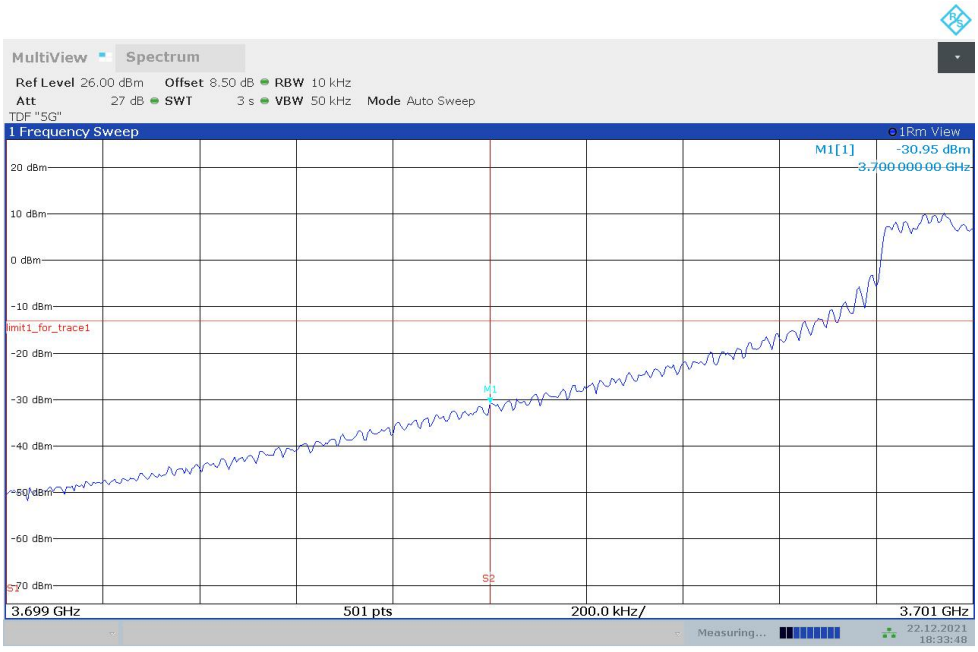

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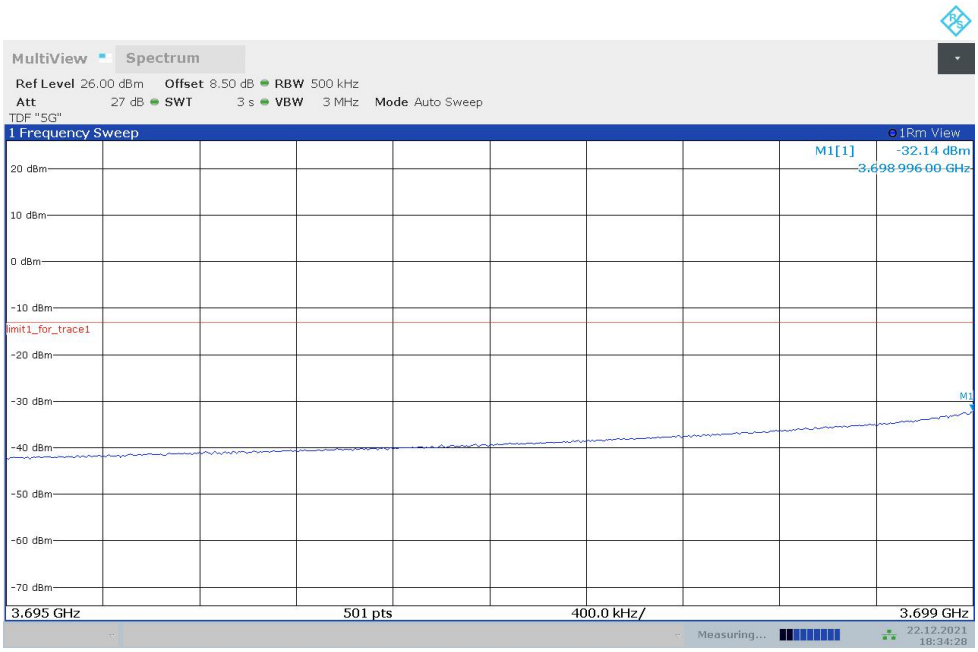

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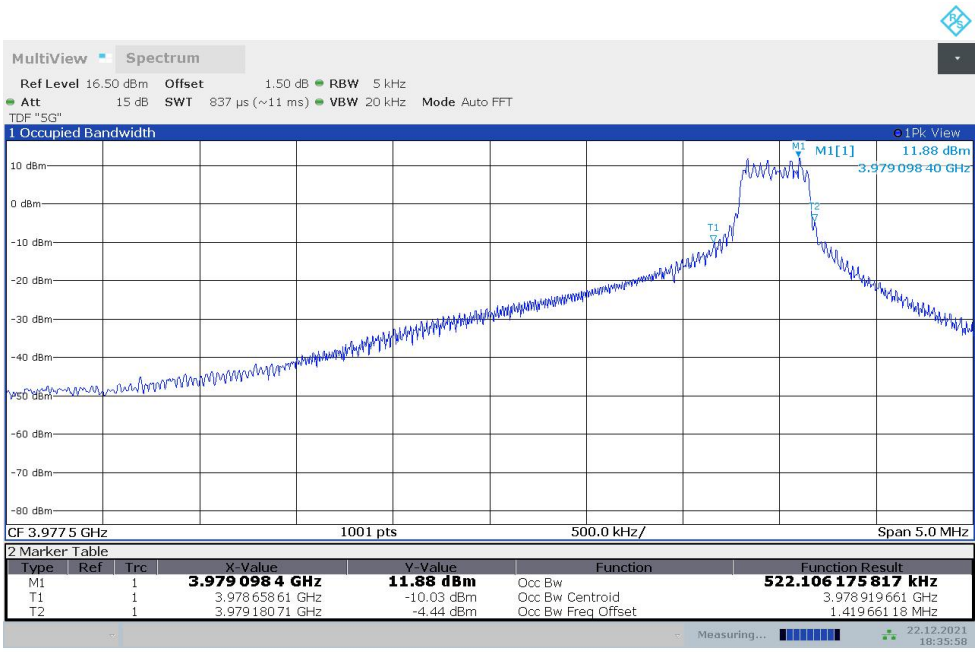

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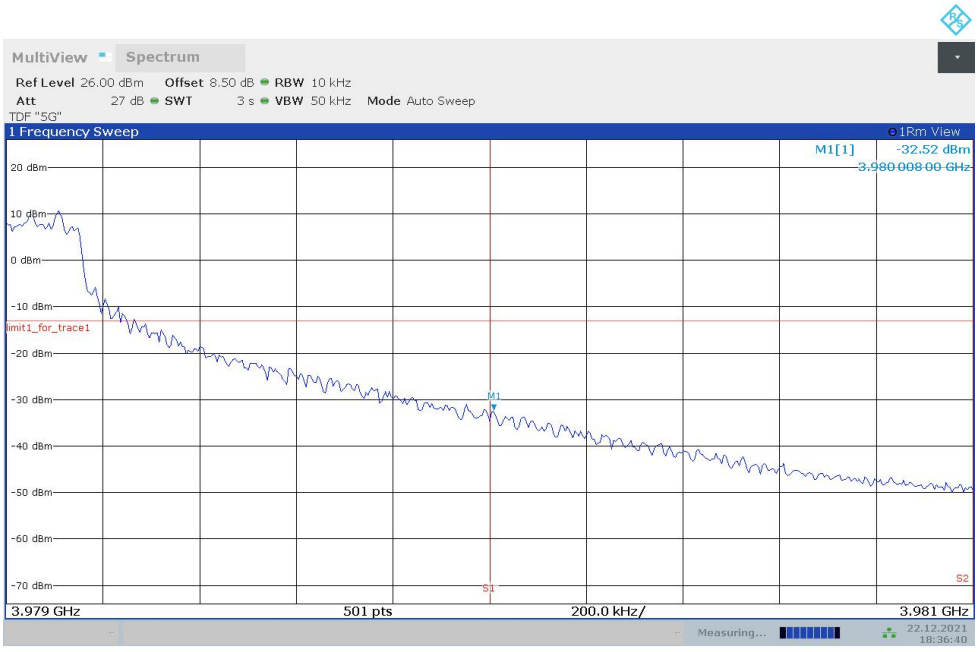

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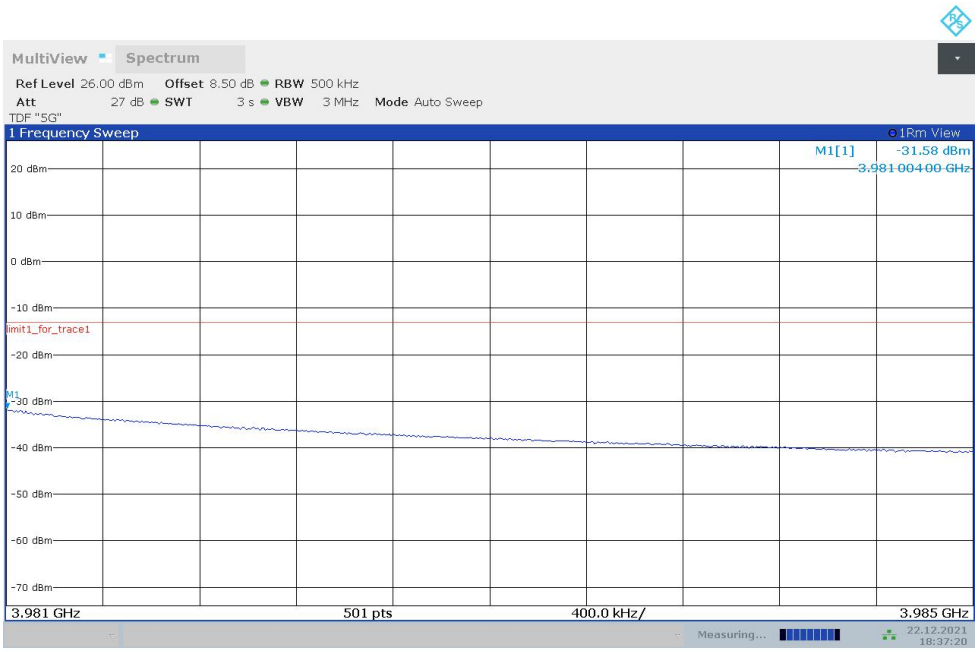
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



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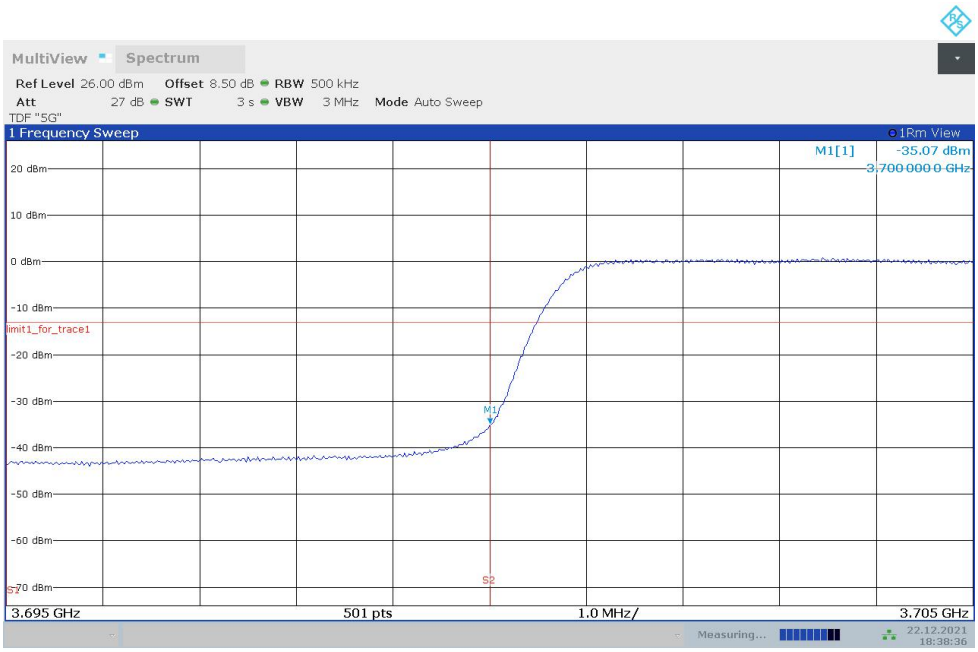
LOW BAND EDGE BLOCK-100M-100%RB



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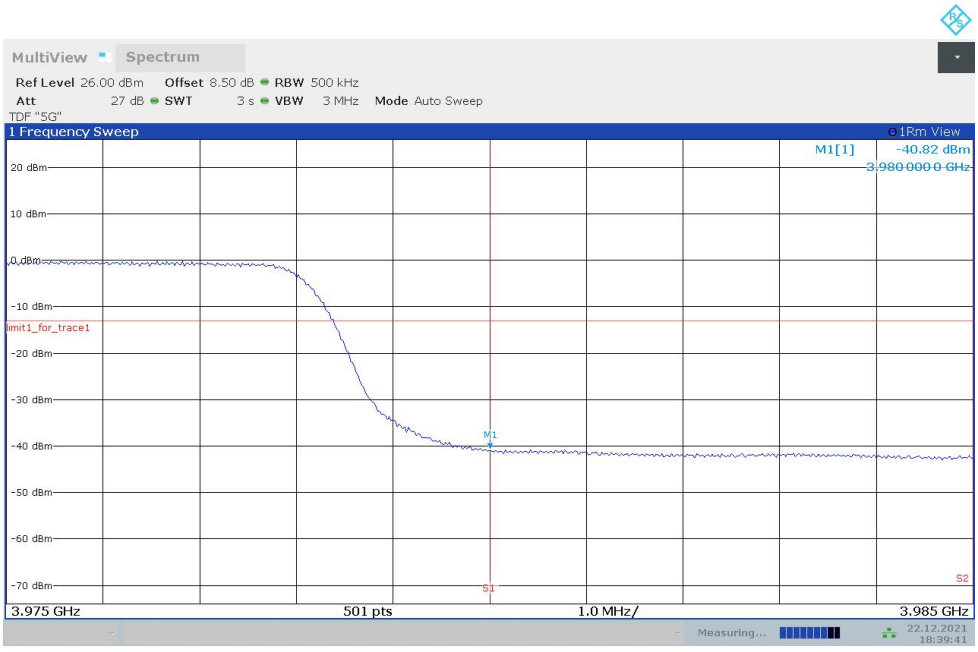

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NR n78H

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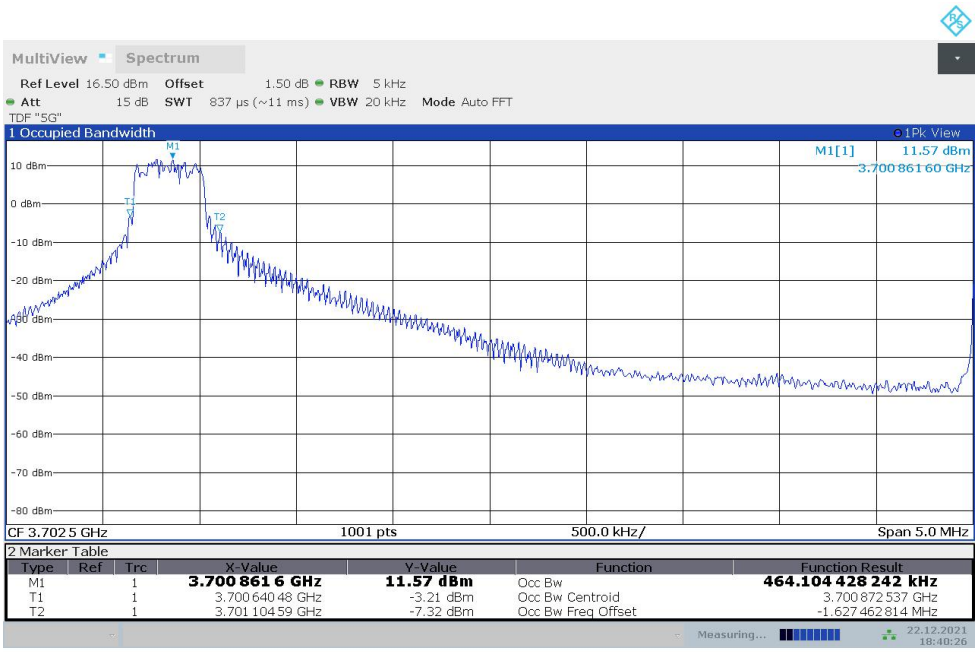

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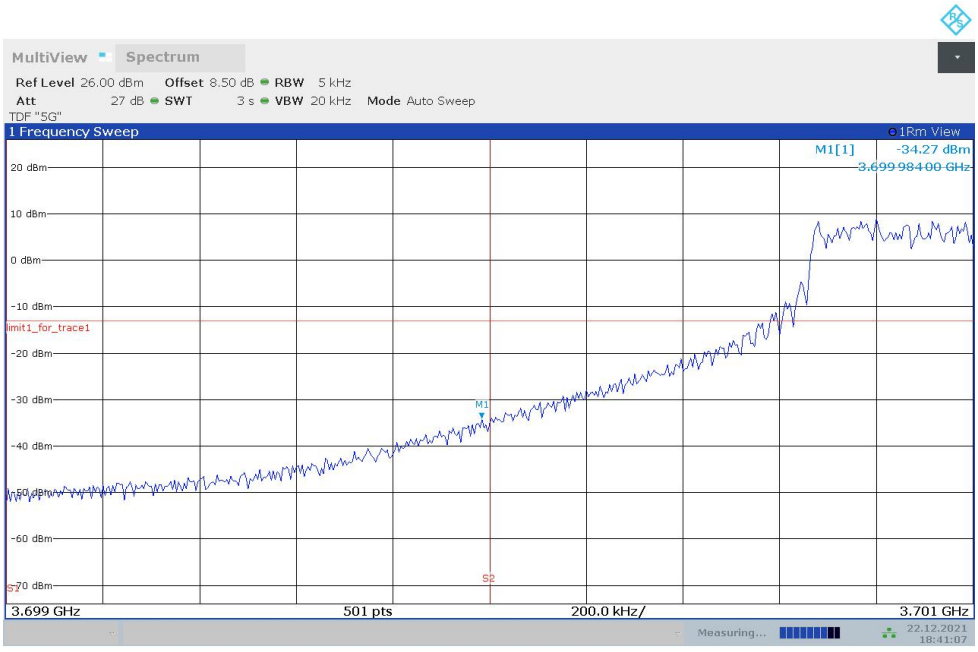

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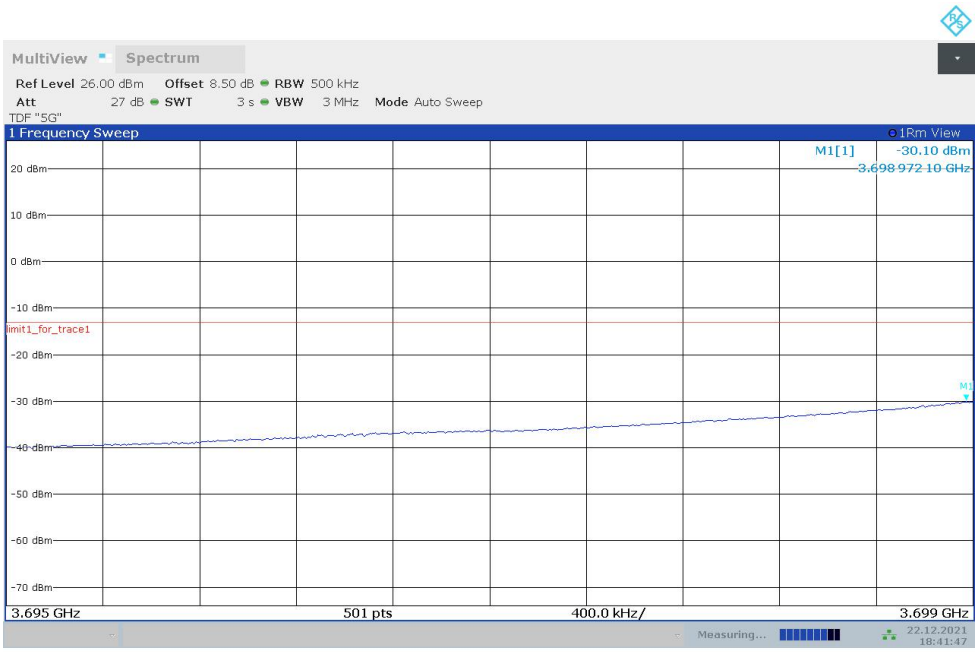

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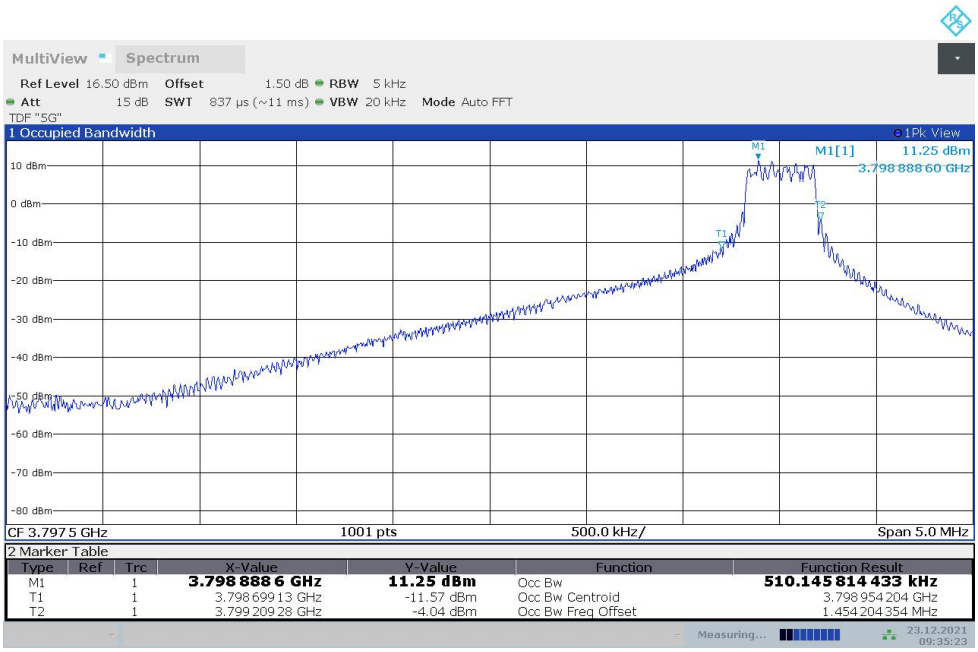

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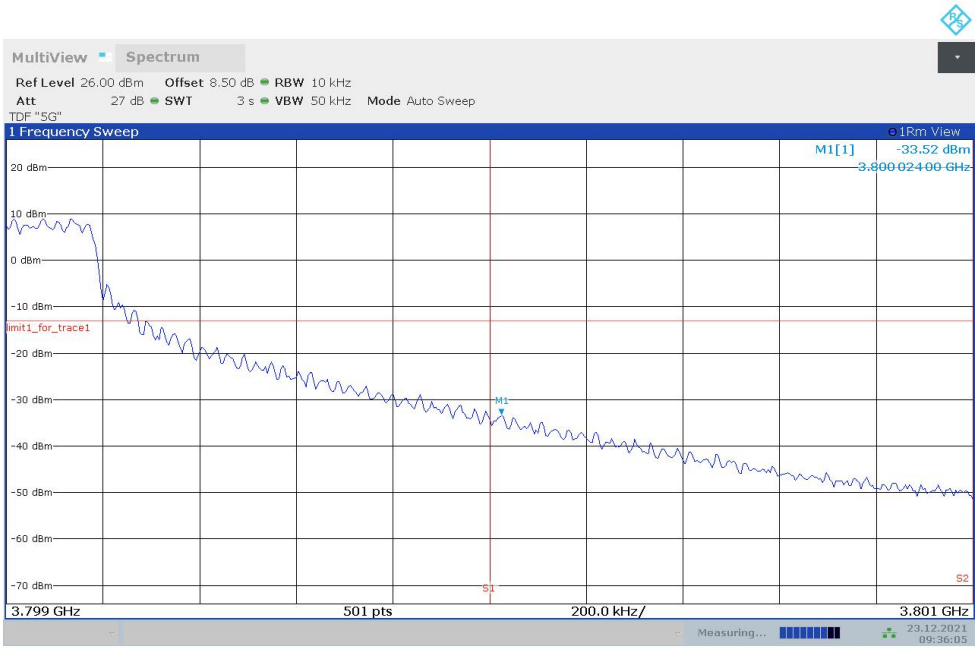

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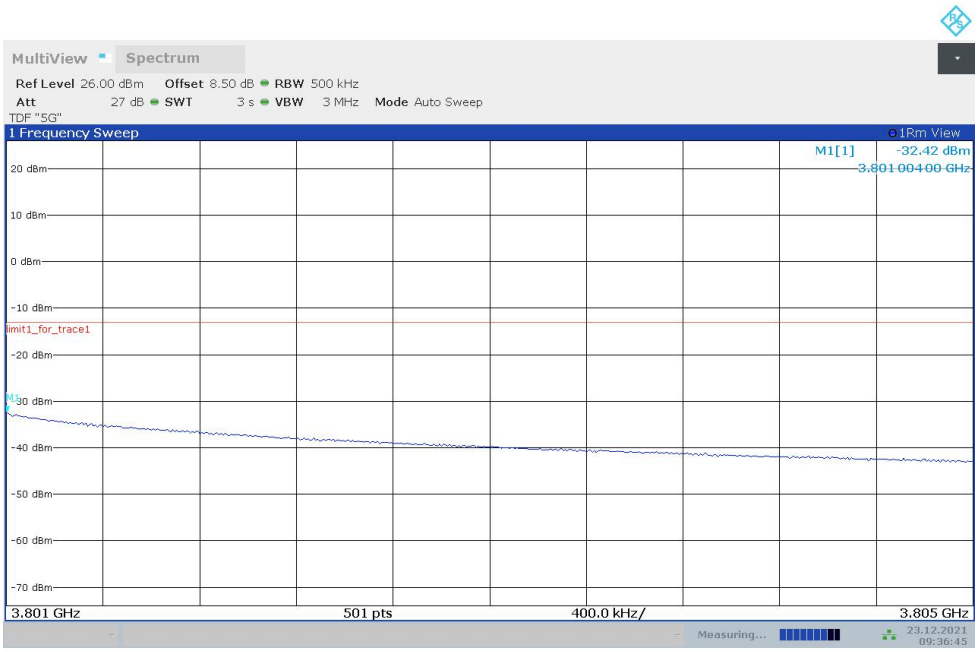
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



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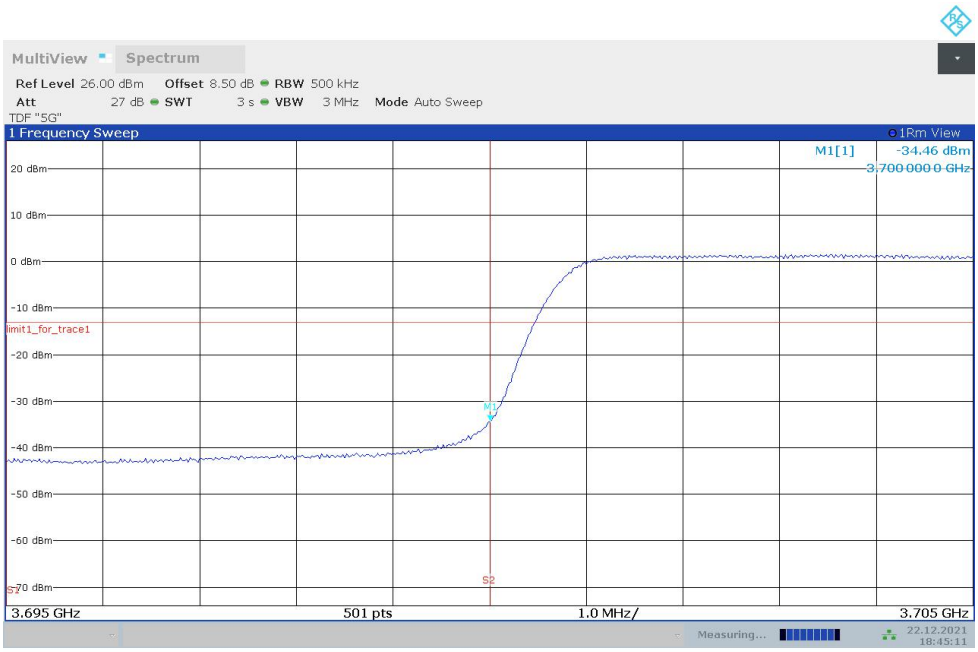
LOW BAND EDGE BLOCK-100M-100%RB



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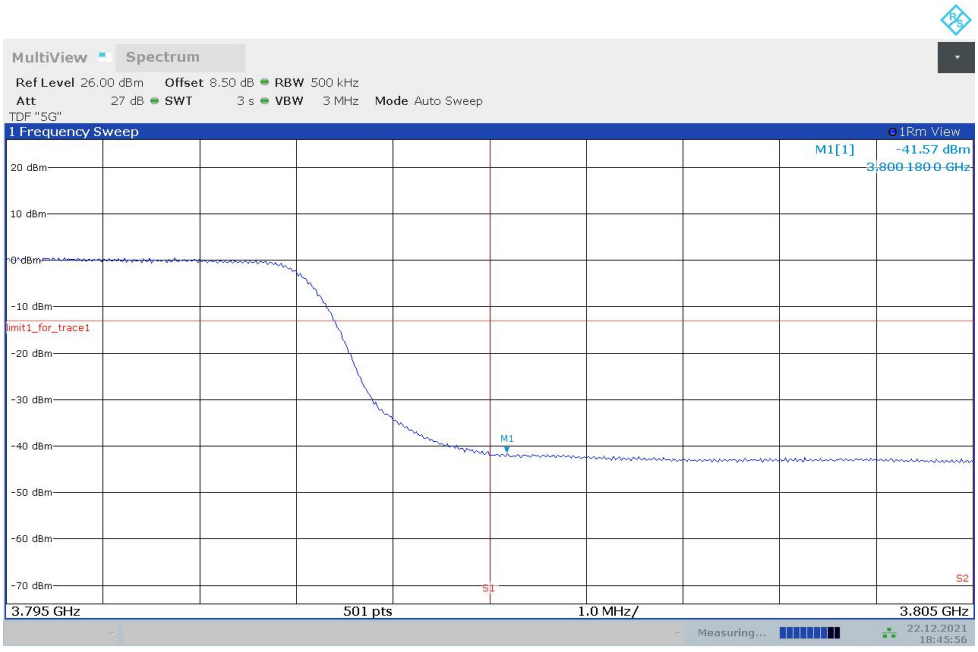
HIGH BAND EDGE BLOCK-100M-100%RB



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LTE Band 66+NR n7

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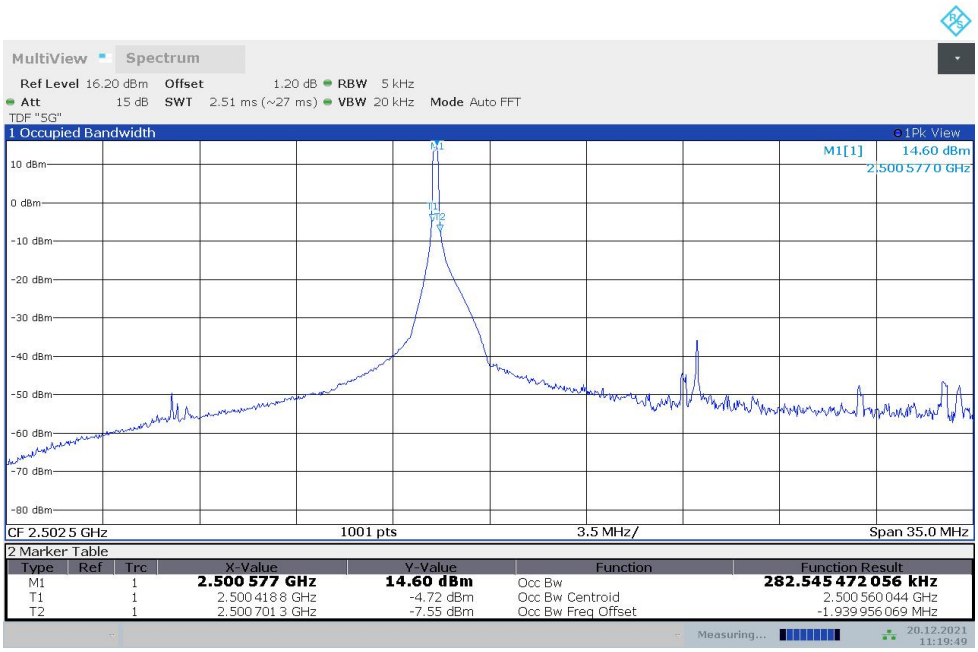

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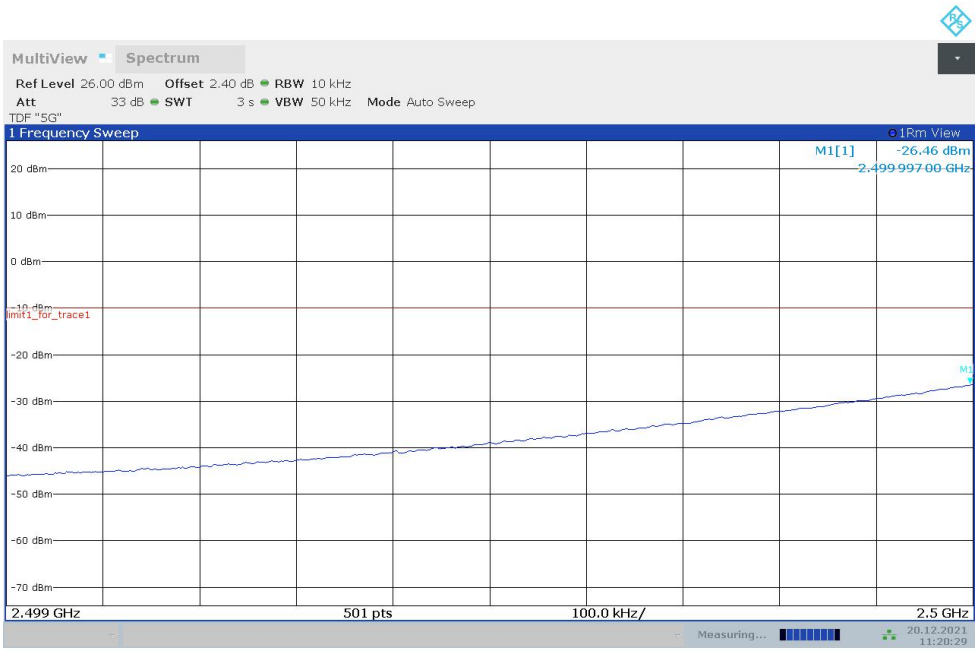

11:20:29 20.12.2021

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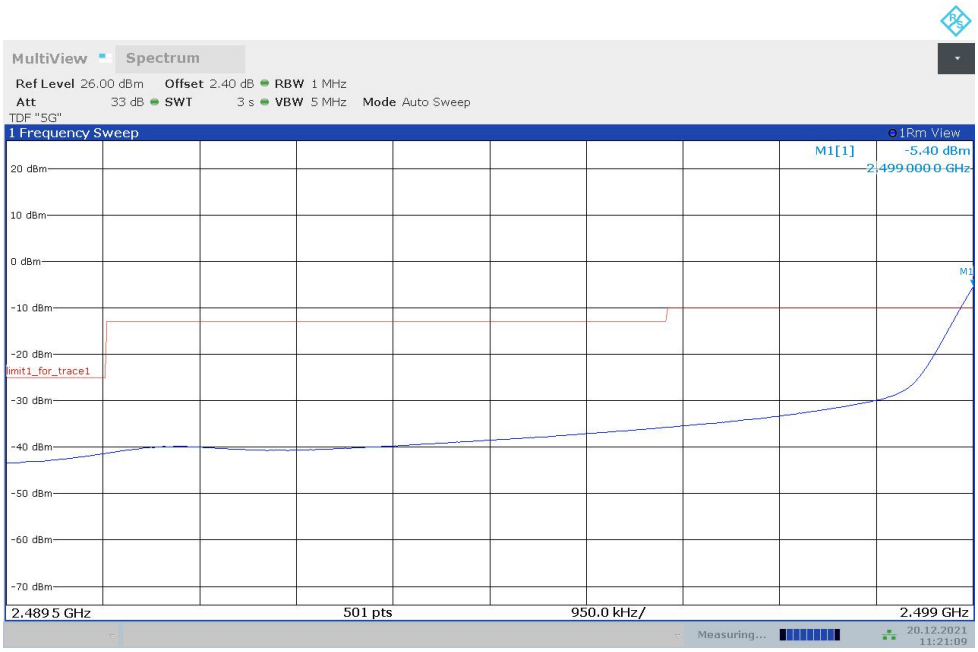
LOW BAND EDGE BLOCK-1RB-LOW_offset



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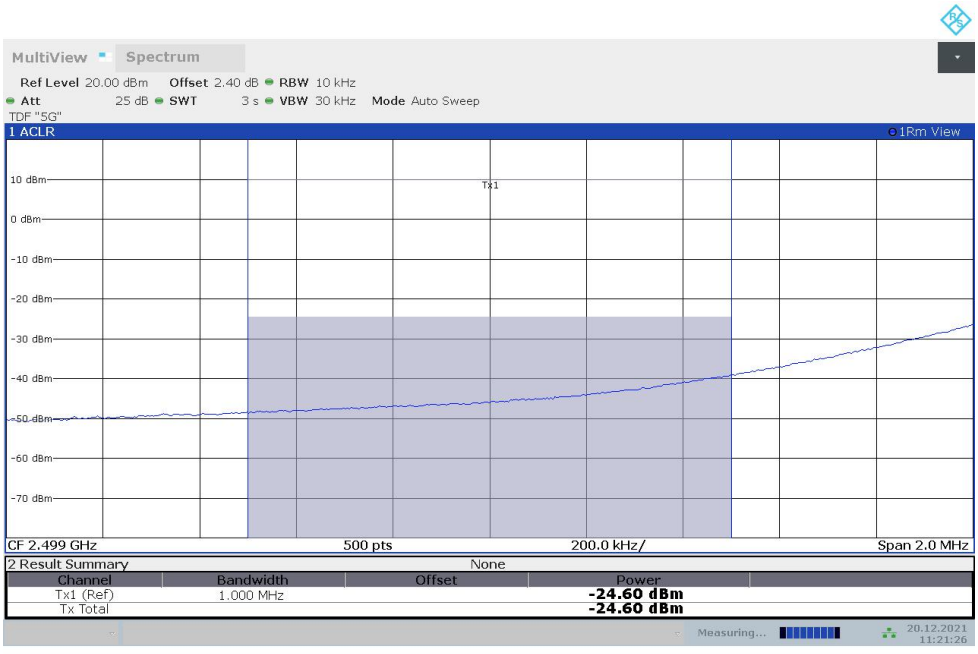
Channal Power



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