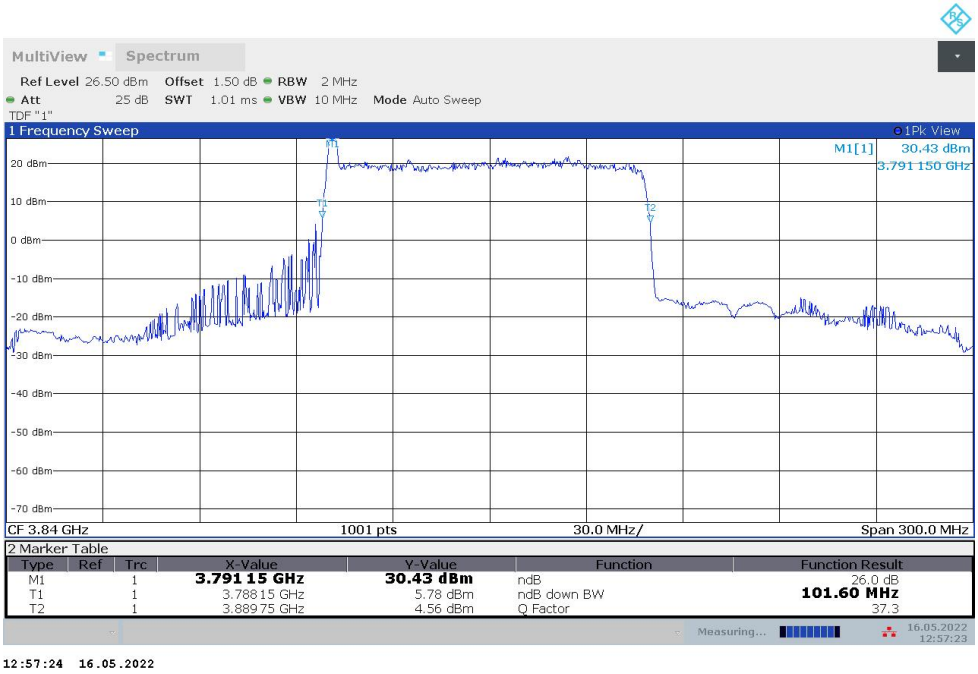
LTE Band 12+NR n77H

n77H,100MHz(-26dBc)

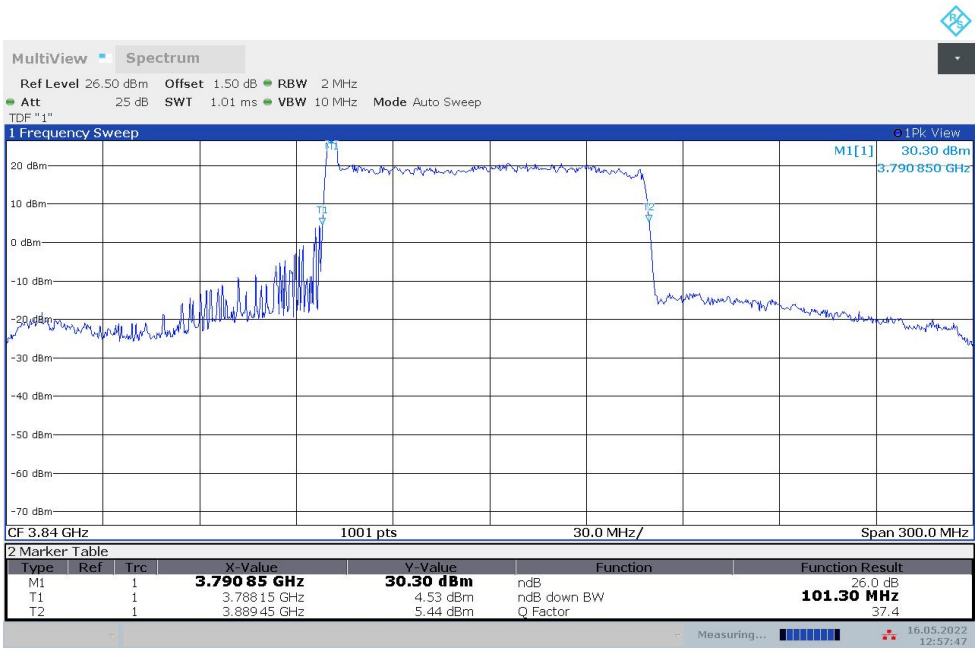
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	101.600	101.300

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



12:57:24 16.05.2022

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



12:57:47 16.05.2022

A.6 Band Edge Compliance

A.6.1 Measurement limit

Part 22.917, 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(a) states for mobile and portable stations operating in the 2305–2315 MHz and 2350–2360 MHz bands: By a factor of not less than: 43 +10 log (P) dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than 55 + 10 log (P) dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than 61 + 10 log (P) dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than 67 + 10 log (P) dB on all frequencies between 2328 and 2337MHz; By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2300 and 2305 MHz, 55 + 10 log (P) dB on all frequencies between 2296 and 2300MHz, 61 + 10 log (P) dB on all frequencies between 2292 and 2296 MHz, 67 + 10 log (P) dB on all frequencies between 2288 and 2292 MHz, and 70 + 10 log (P) dB below 2288 MHz; By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2360 and 2365 MHz, and not less than 70 + 10 log (P) dB above 2365 MHz.

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.6.2 Measurement result

LTE Band 12+NR n2

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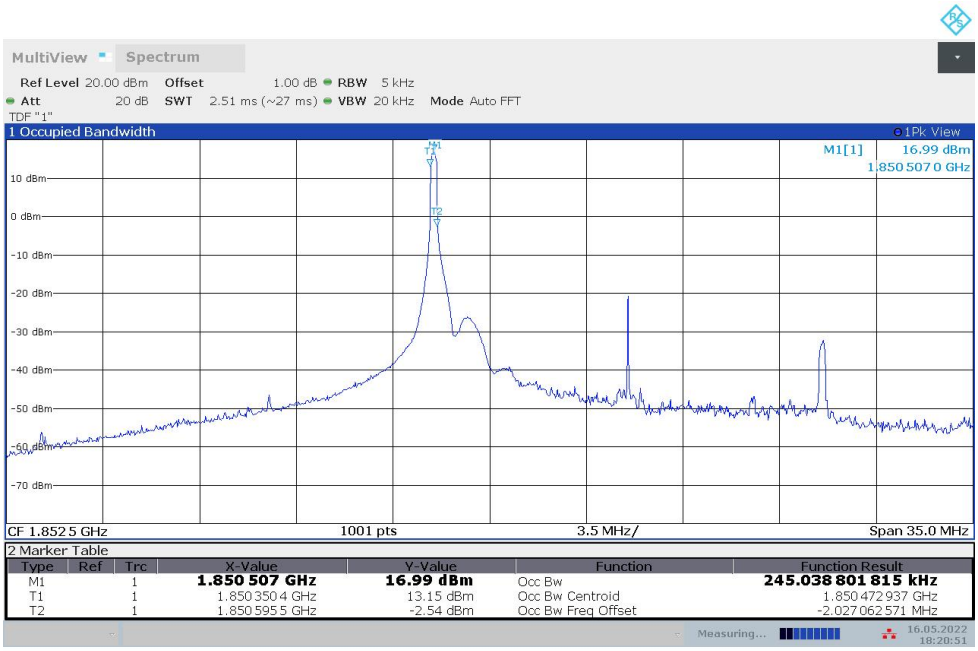

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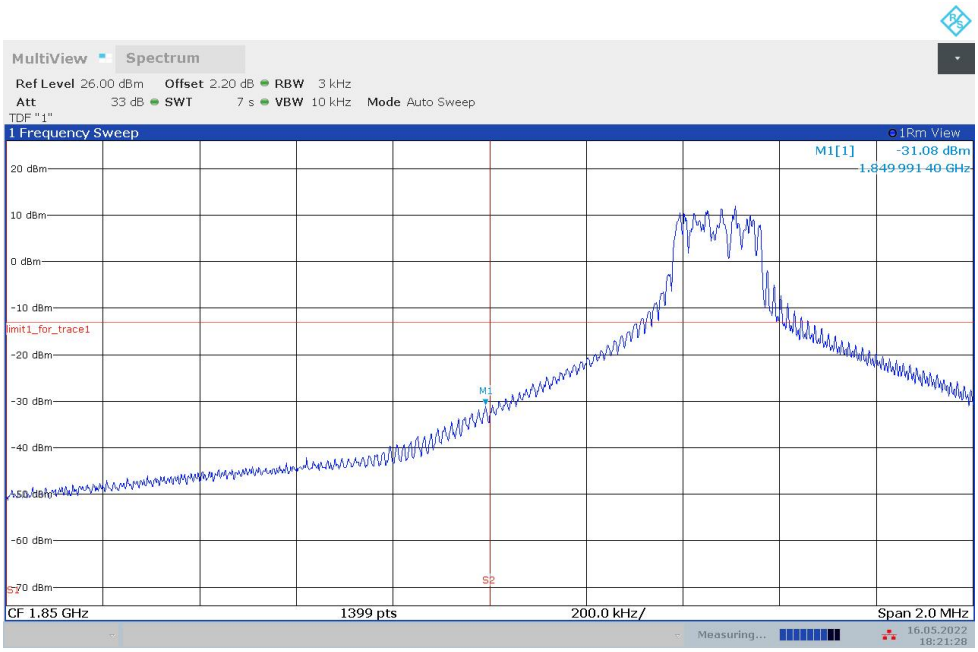
LOW BAND EDGE BLOCK-1RB-LOW_offset



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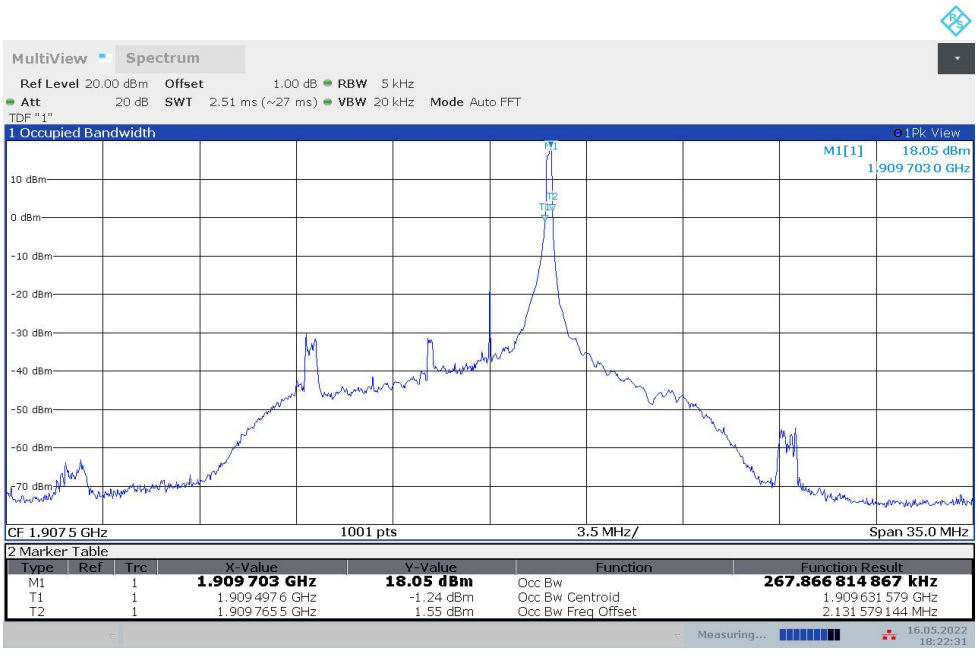
OBW: 1RB-HIGH_offset



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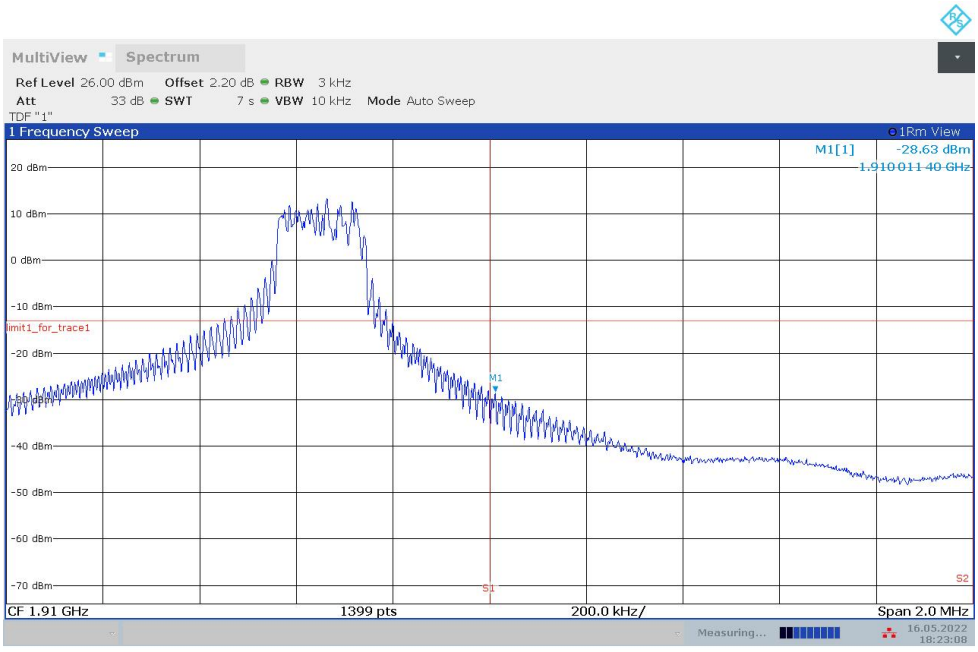
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



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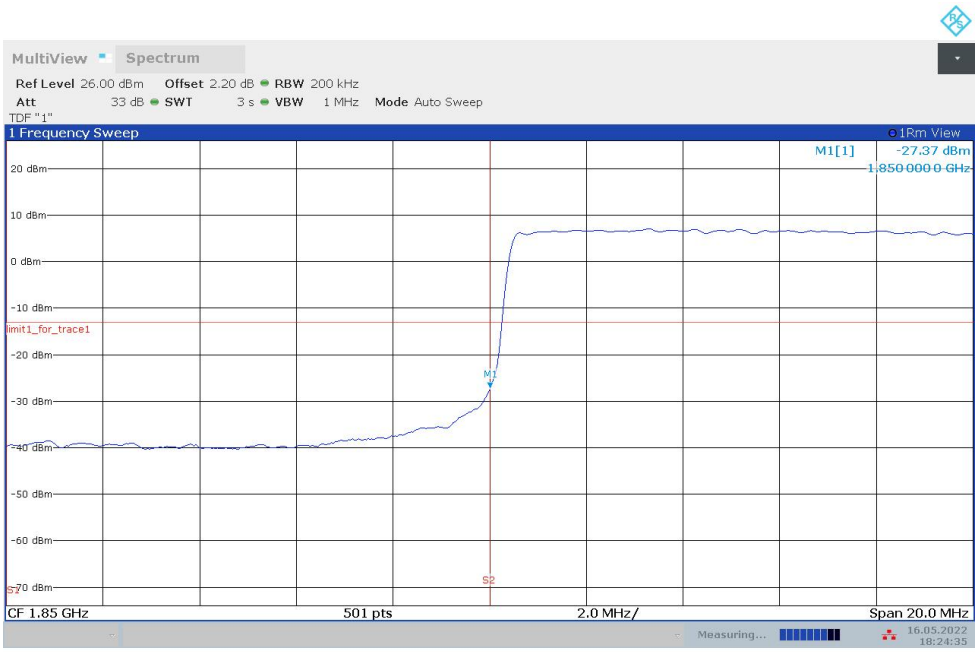
LOW BAND EDGE BLOCK-20M-100%RB



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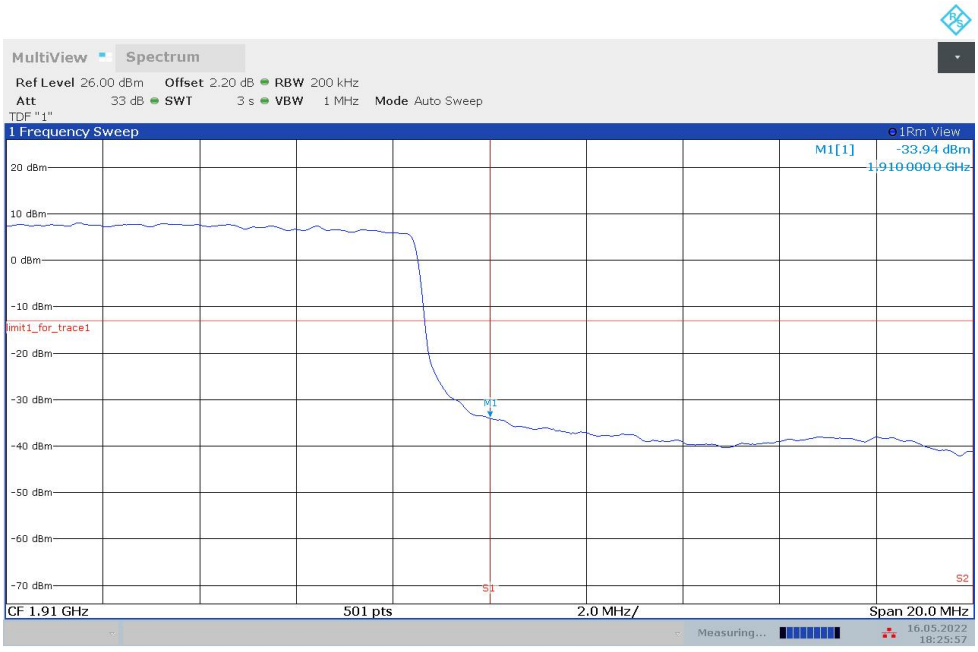

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LTE Band 2+NR n5

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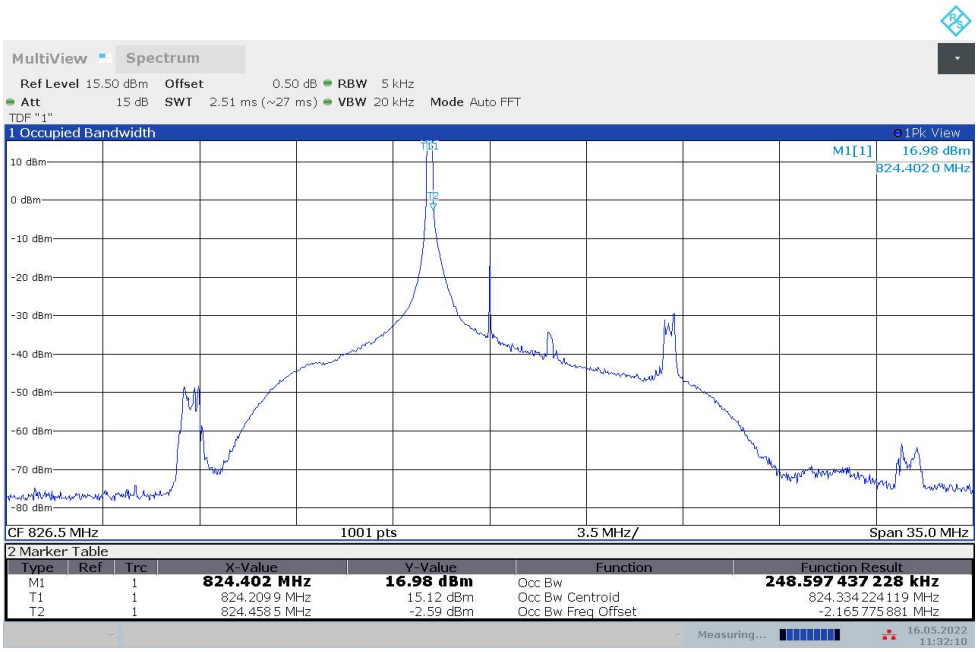

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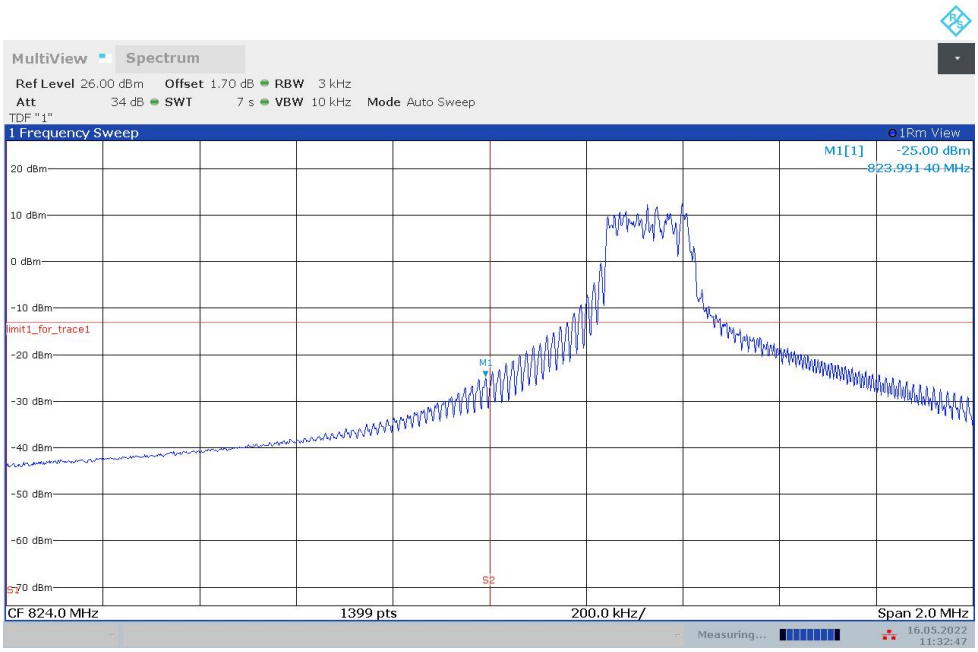
LOW BAND EDGE BLOCK-1RB-LOW_offset



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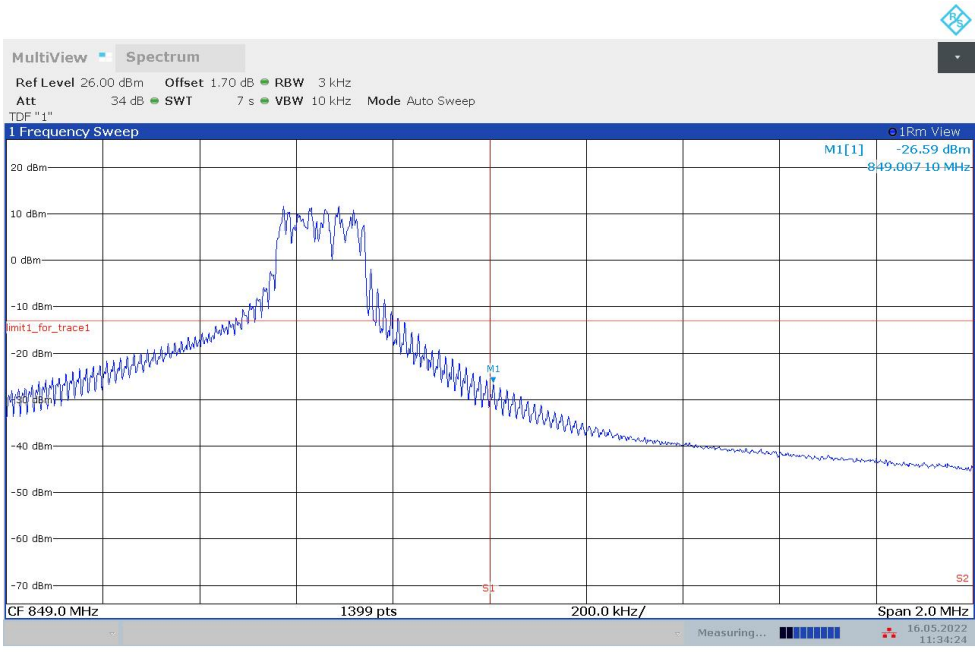
OBW: 1RB-HIGH_offset

11:33:47 16.05.2022

HIGH BAND EDGE BLOCK-1RB-HIGH_offset



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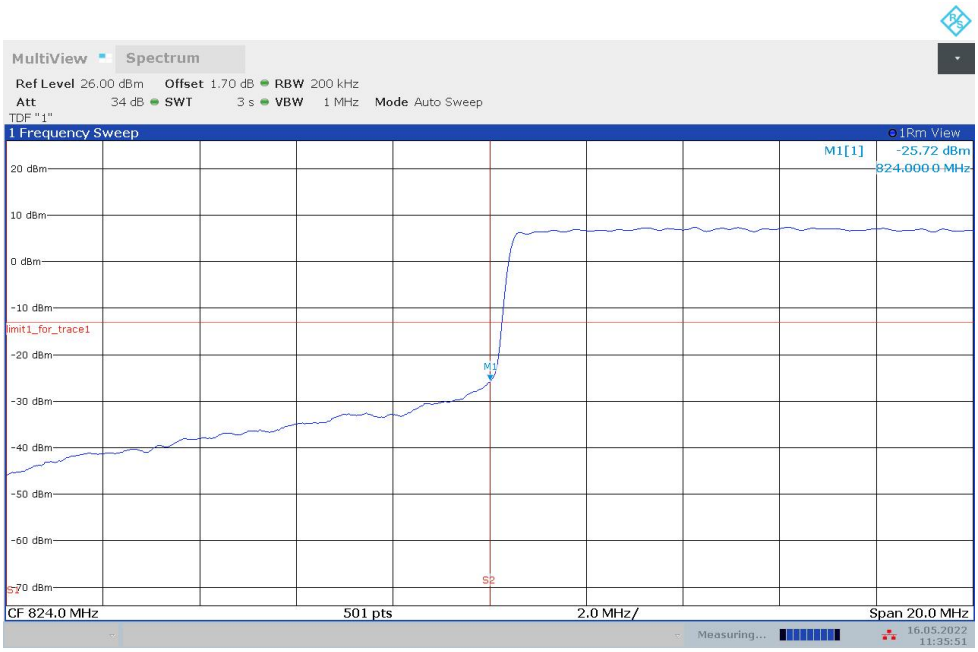
LOW BAND EDGE BLOCK-20M-100%RB



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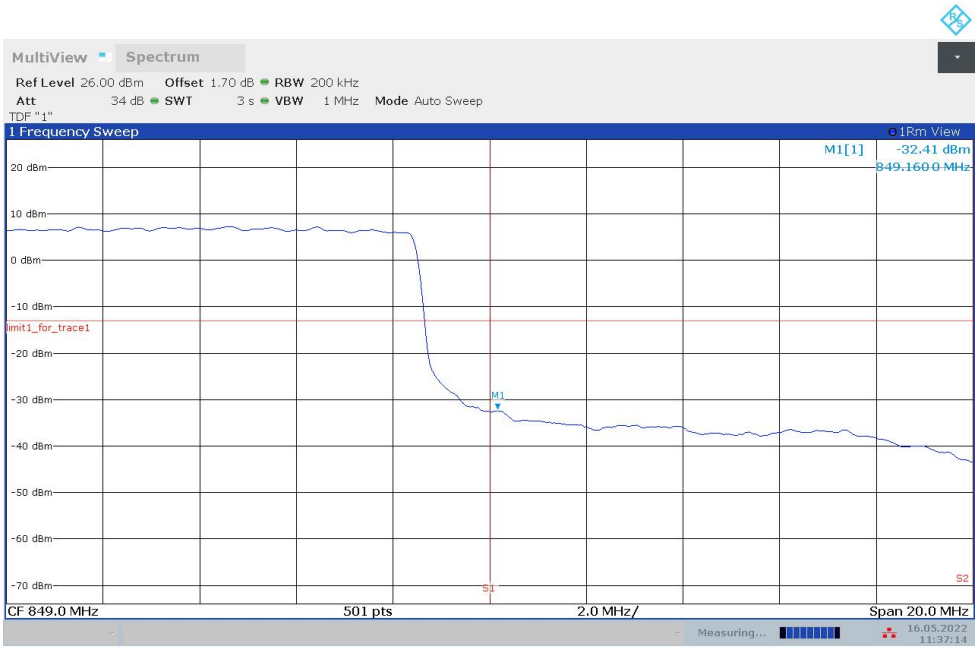

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LTE Band 5+NR n30

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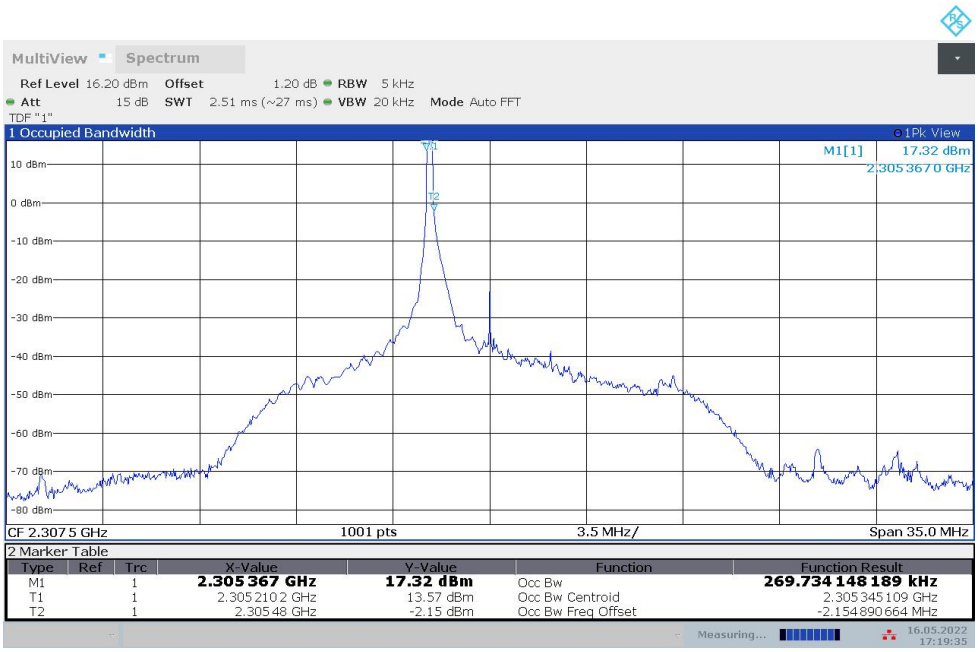

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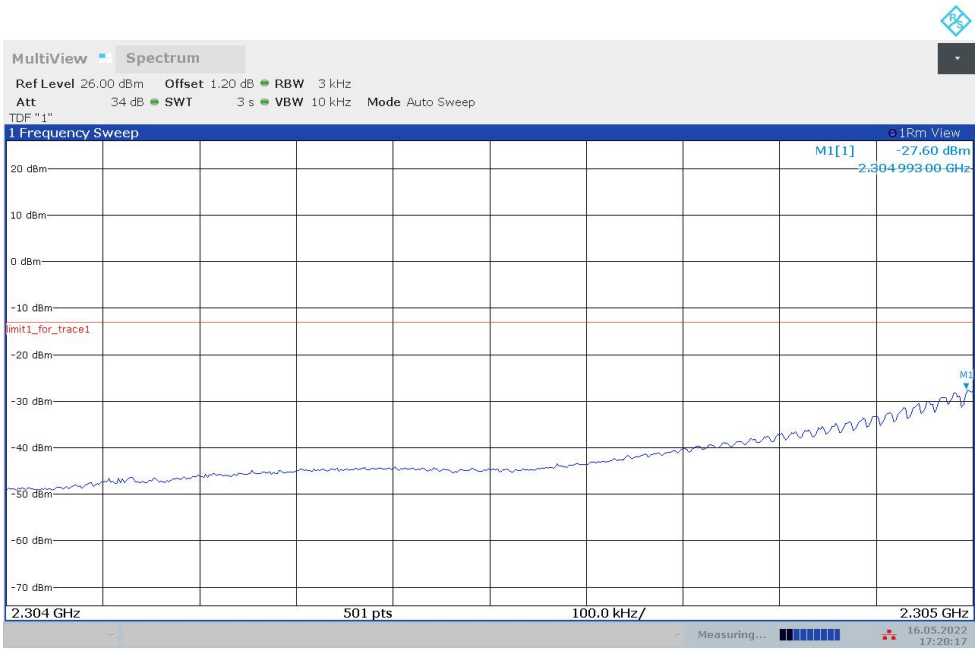

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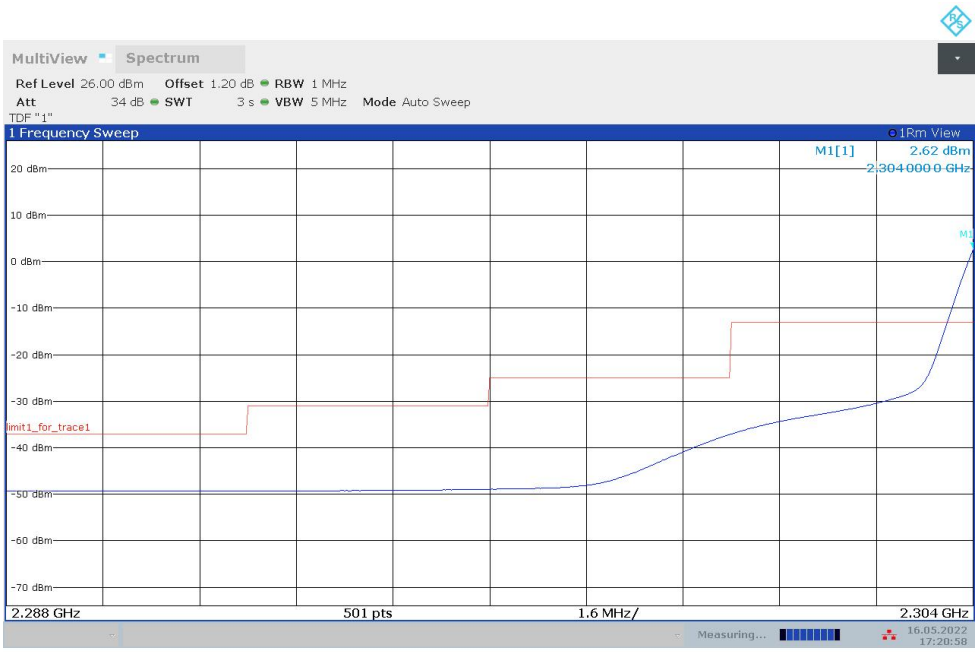
LOW BAND EDGE BLOCK-1RB-LOW_offset



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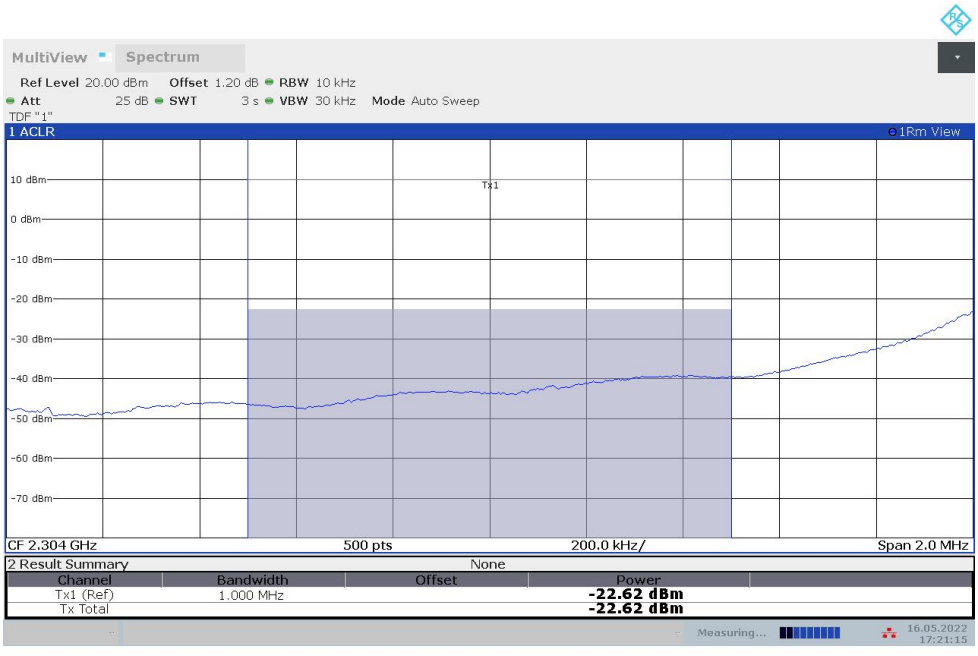
Channal Power



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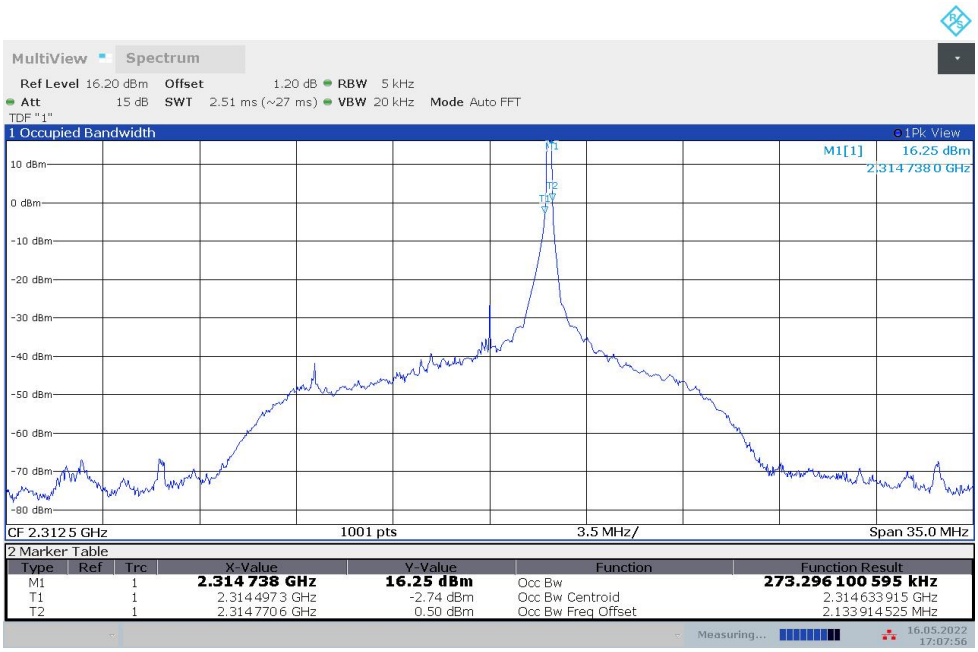

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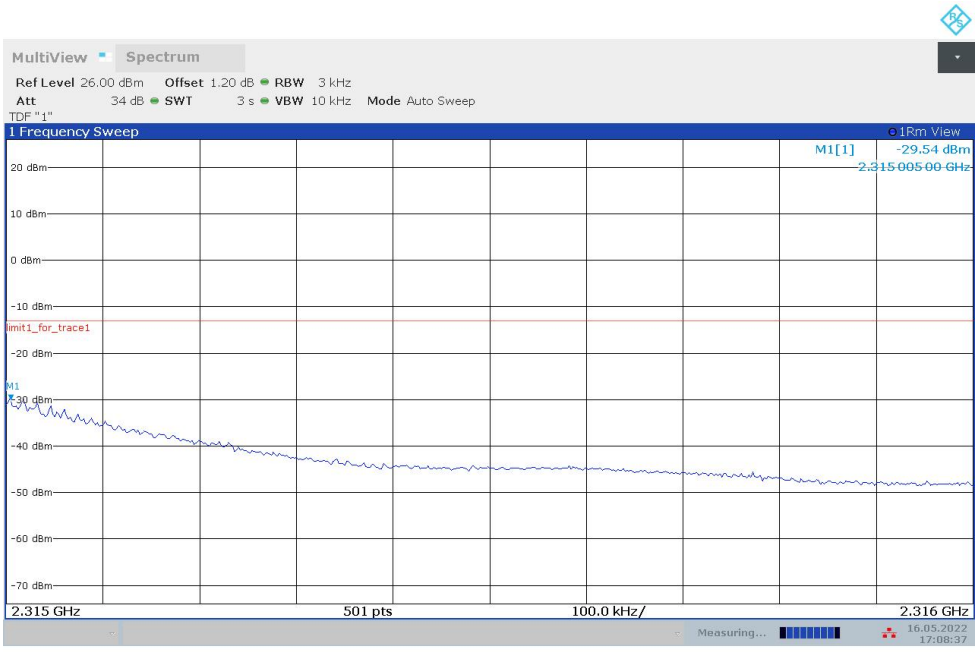
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



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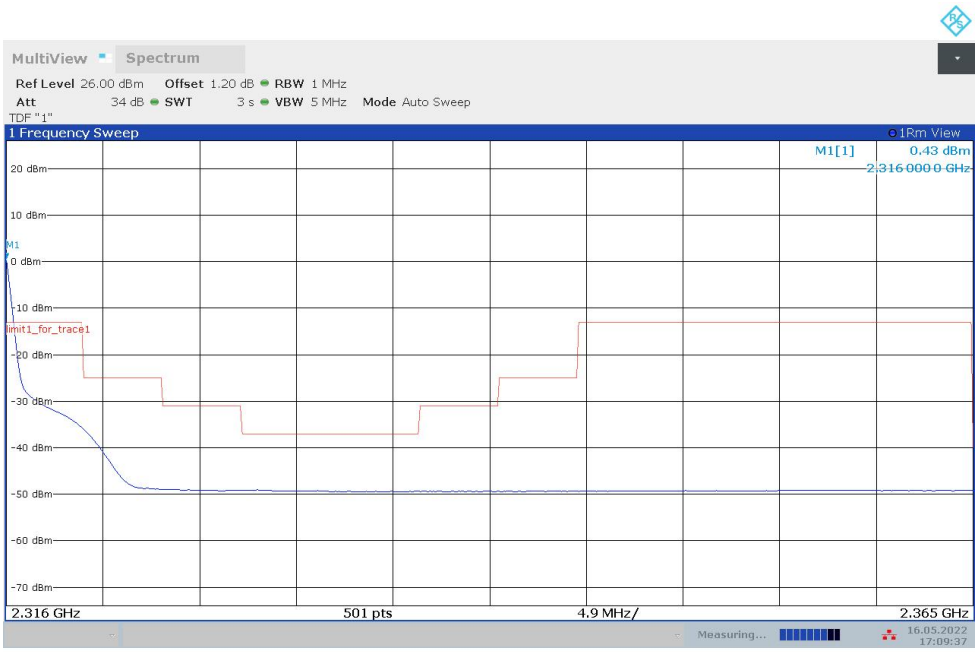
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



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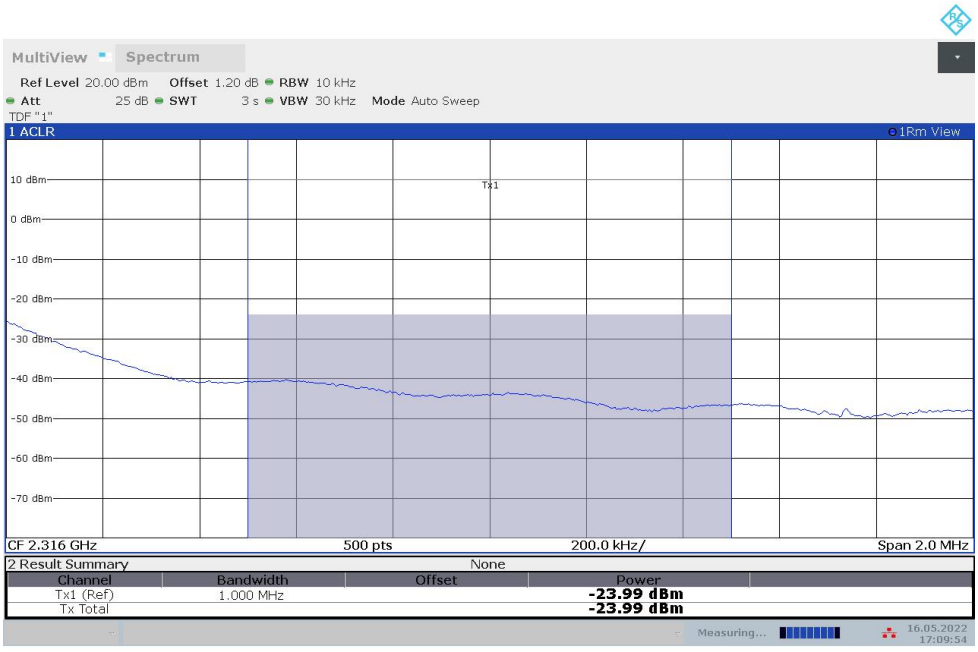
Channal Power



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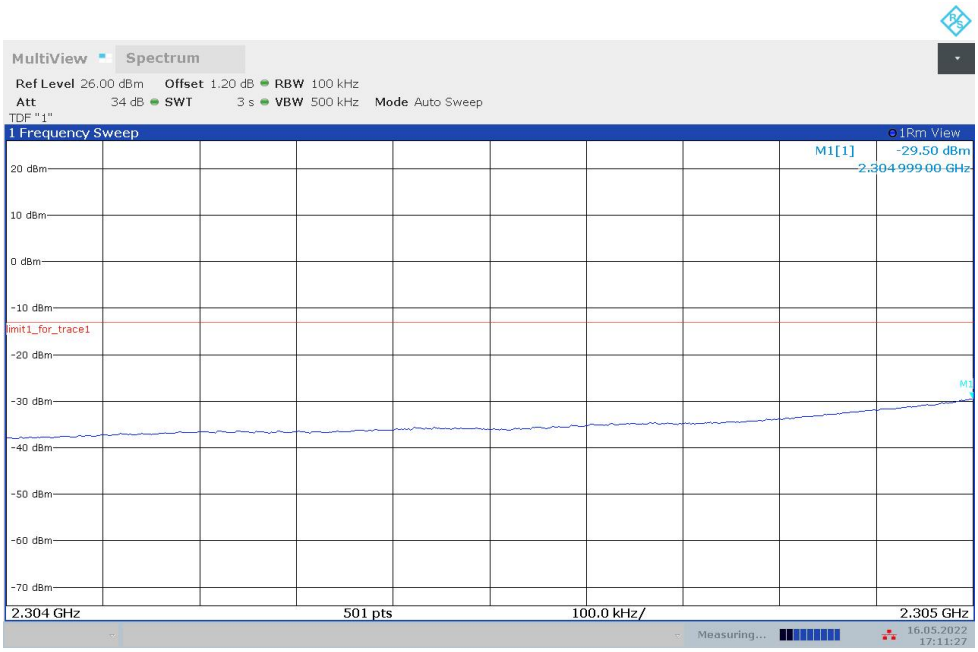
LOW BAND EDGE BLOCK-10M-100%RB



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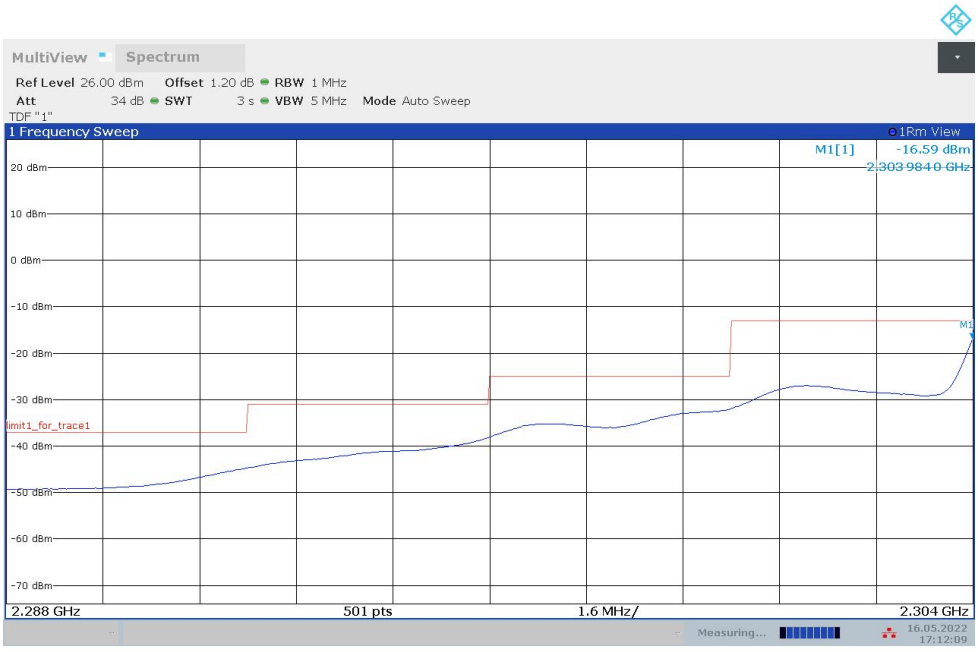
LOW BAND EDGE BLOCK-10M-100%RB



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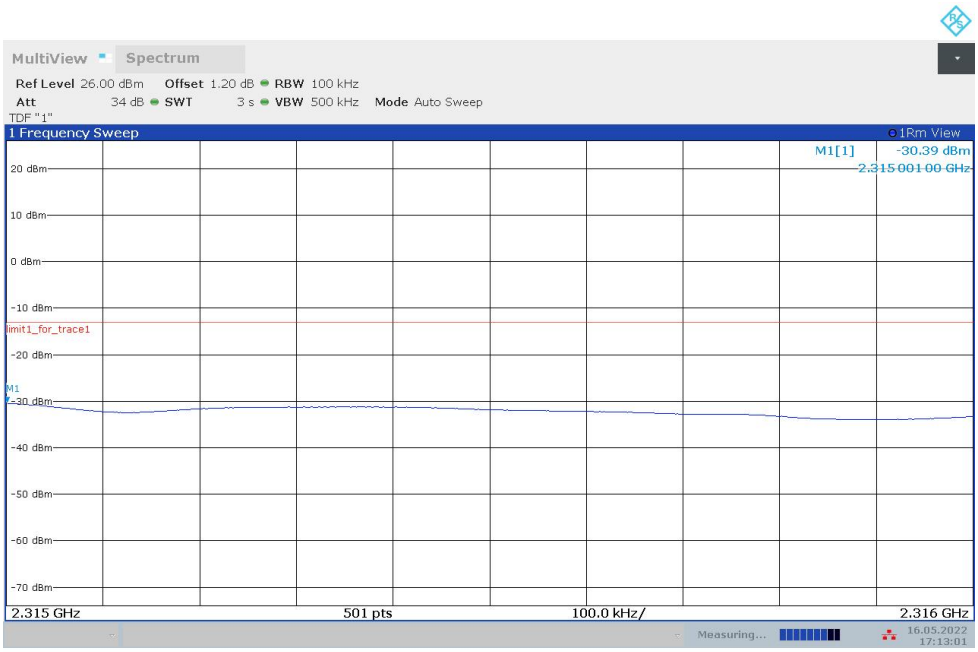

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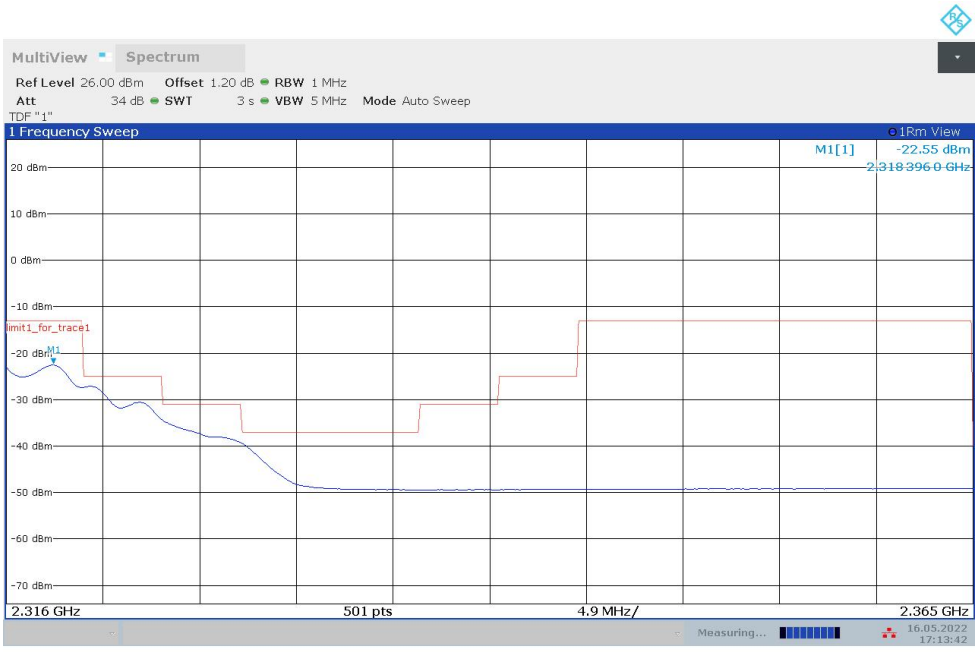
HIGH BAND EDGE BLOCK-10M-100%RB



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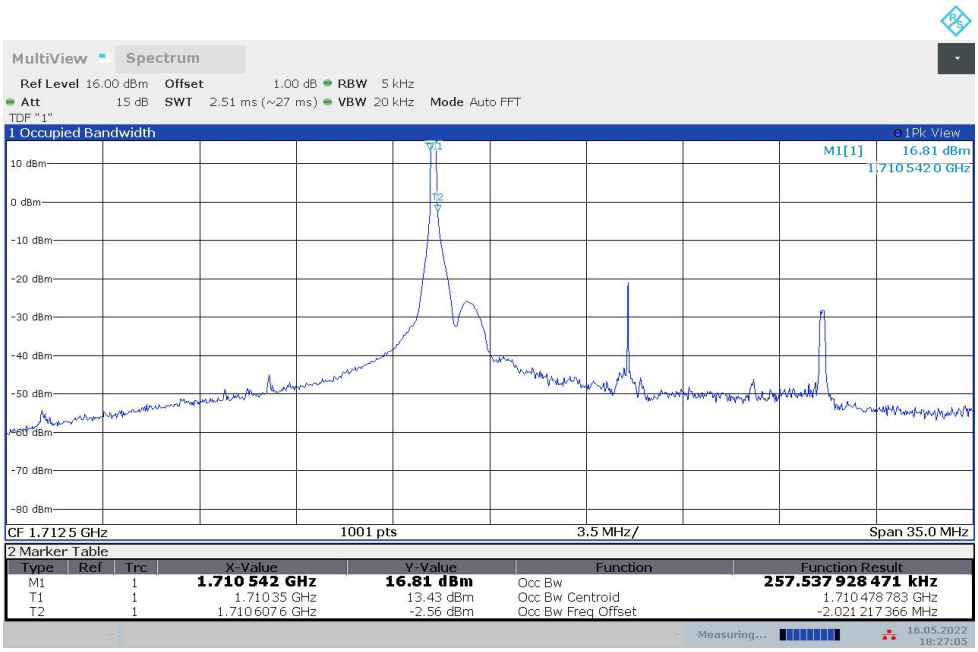
LTE Band 5+NR n66

OBW: 1RB-LOW_offset



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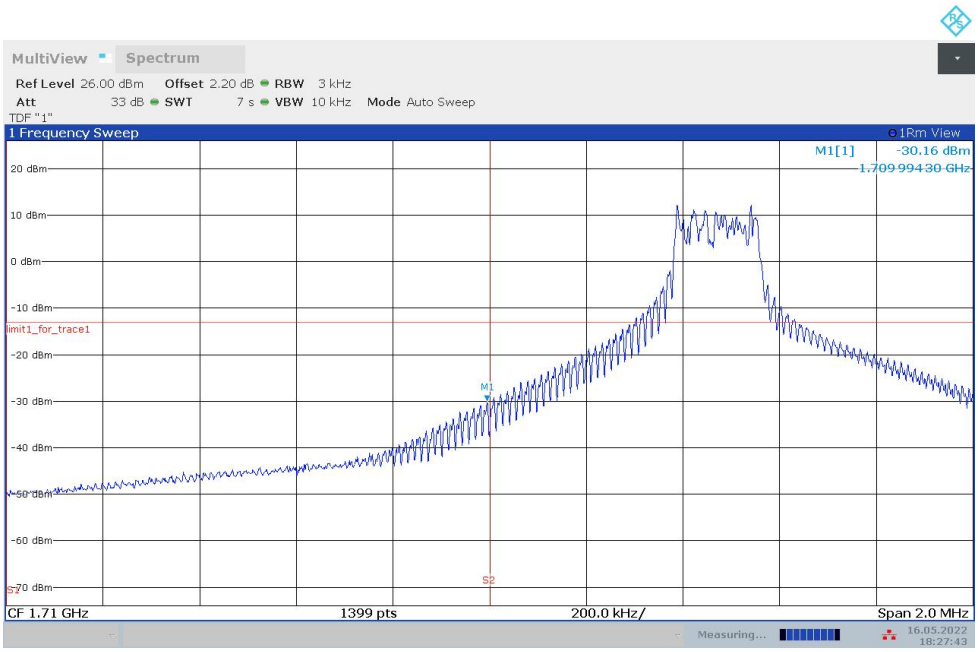
LOW BAND EDGE BLOCK-1RB-LOW_offset



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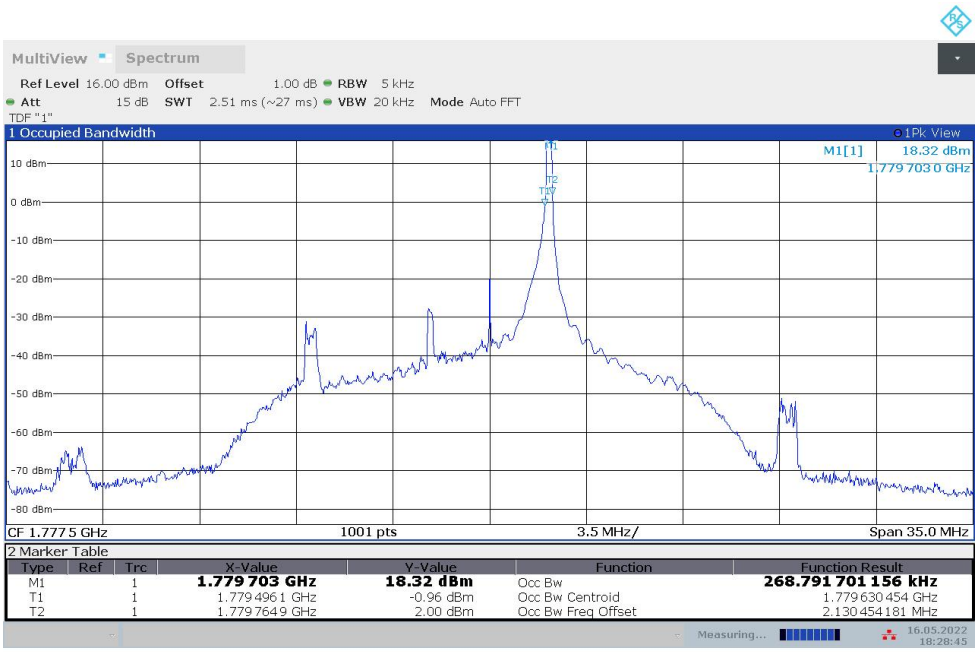

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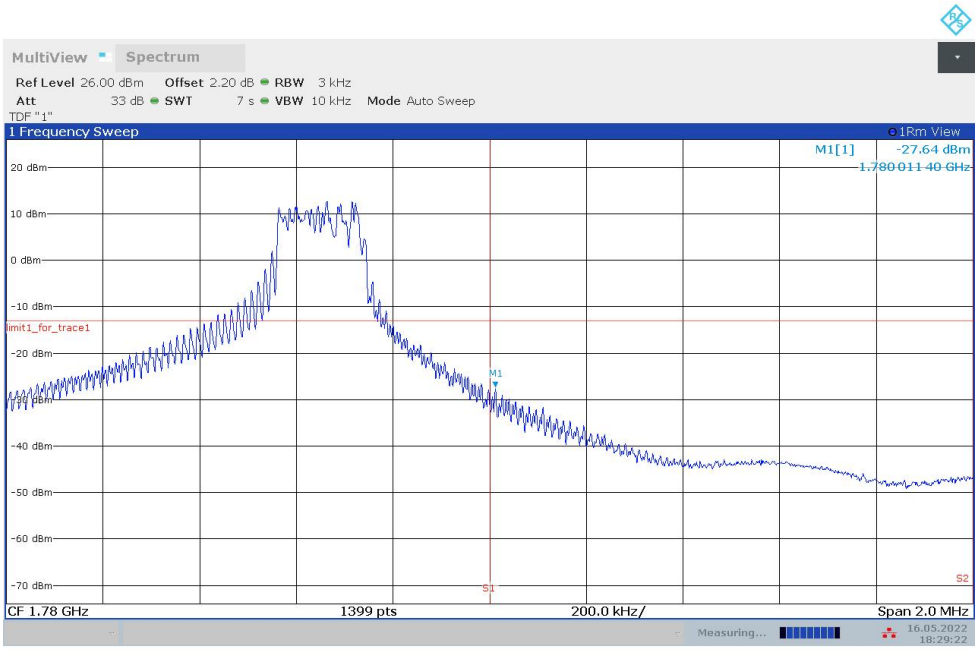

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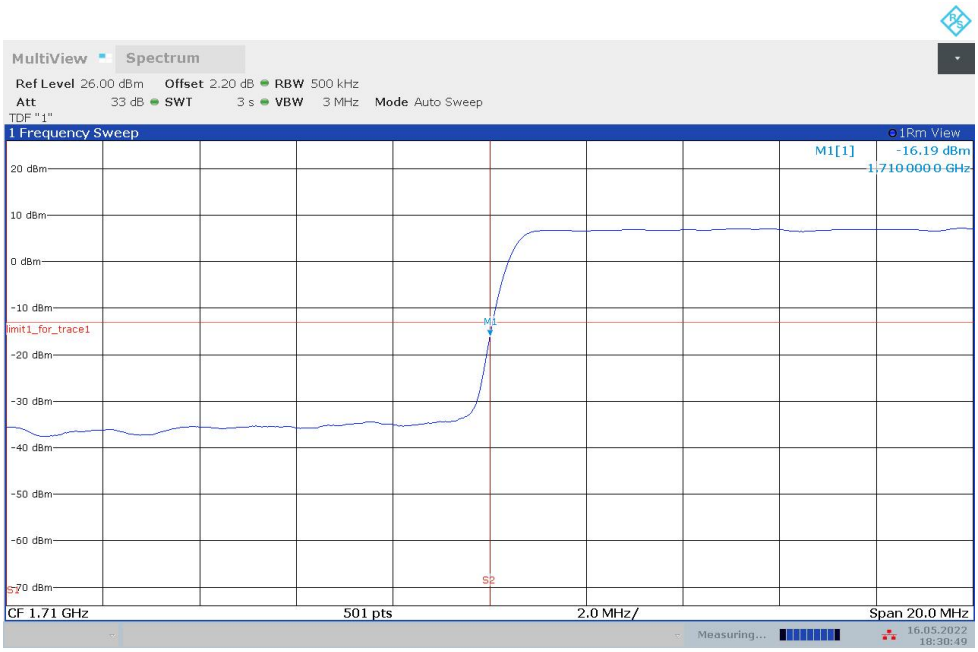

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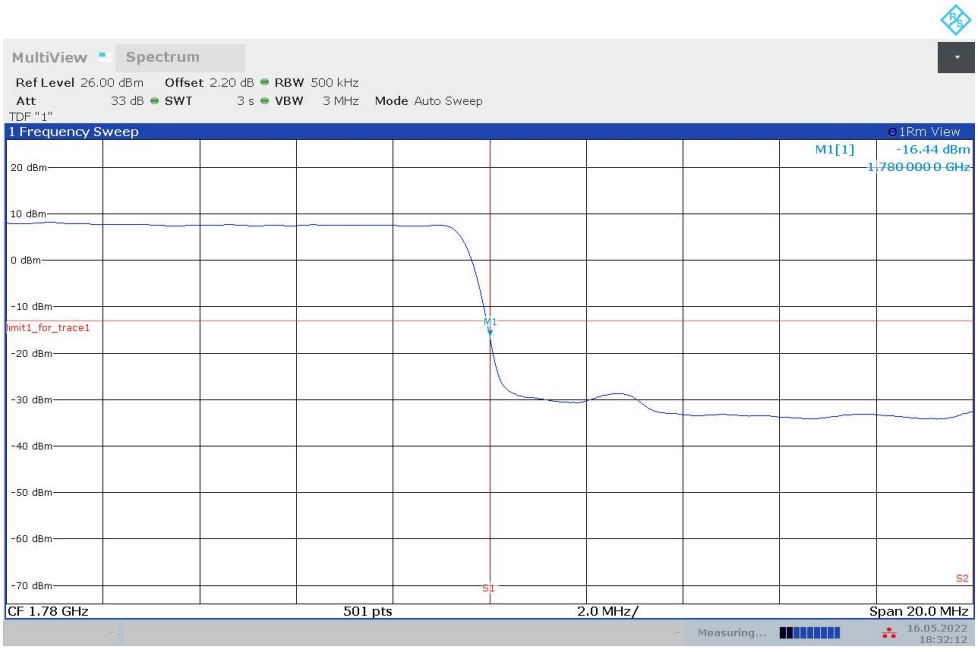
HIGH BAND EDGE BLOCK-40M-100%RB



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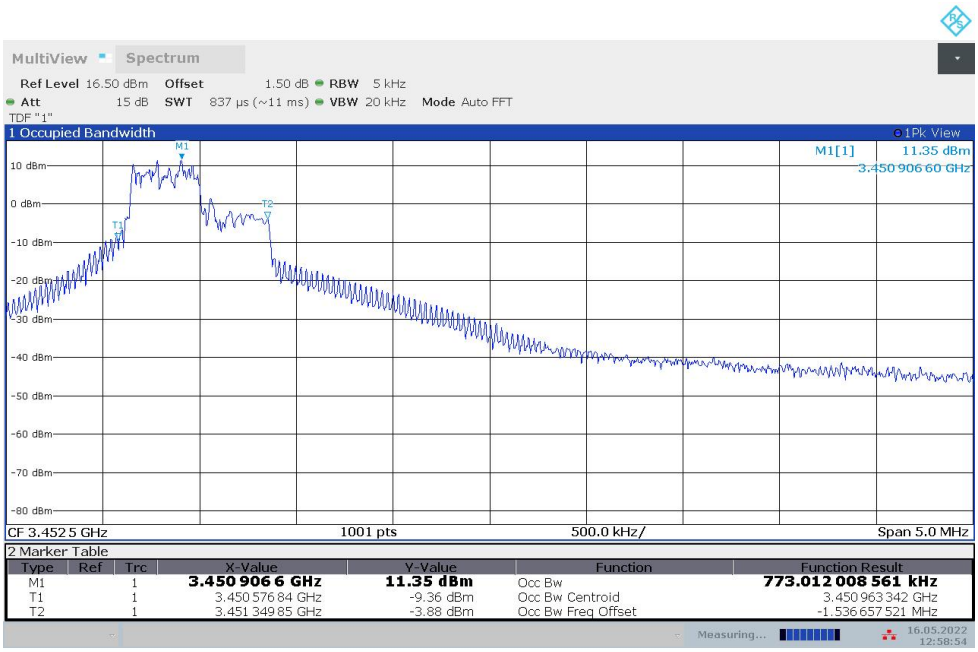
LTE Band 12+NR n77L

OBW: 1RB-LOW_offset



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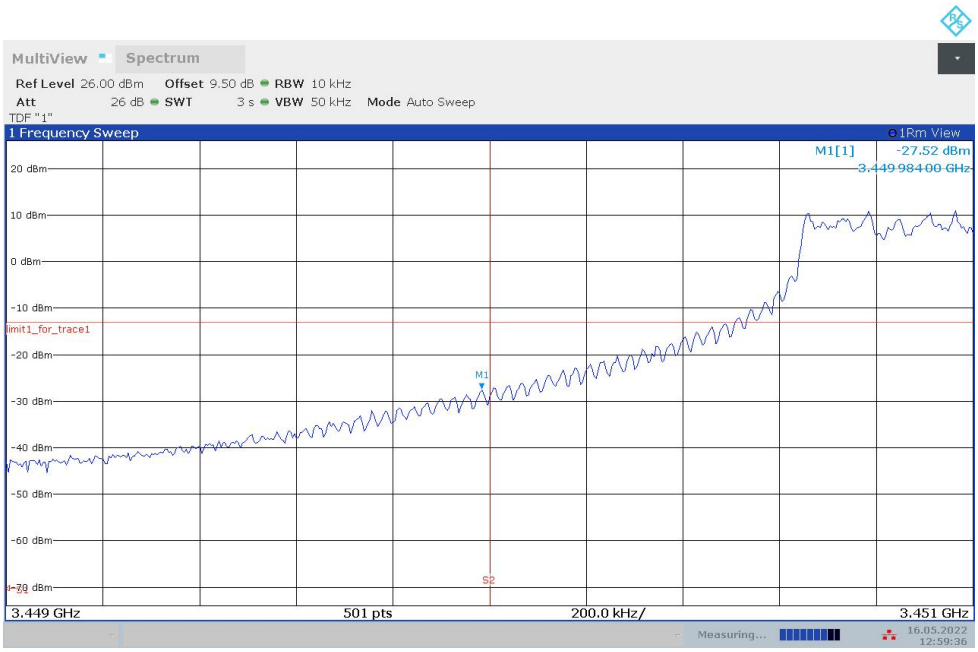
LOW BAND EDGE BLOCK-1RB-LOW_offset



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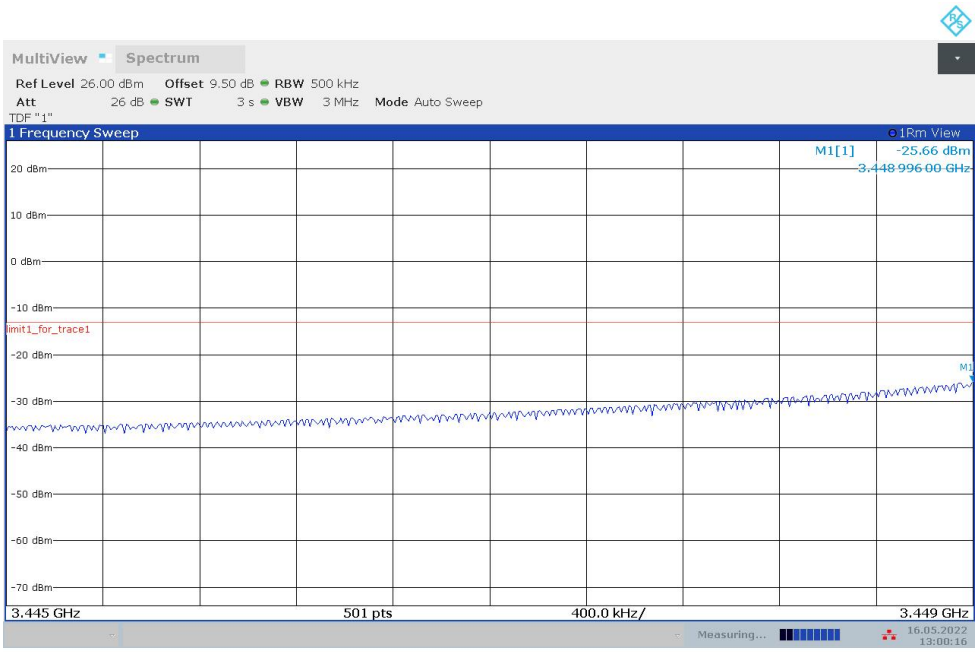

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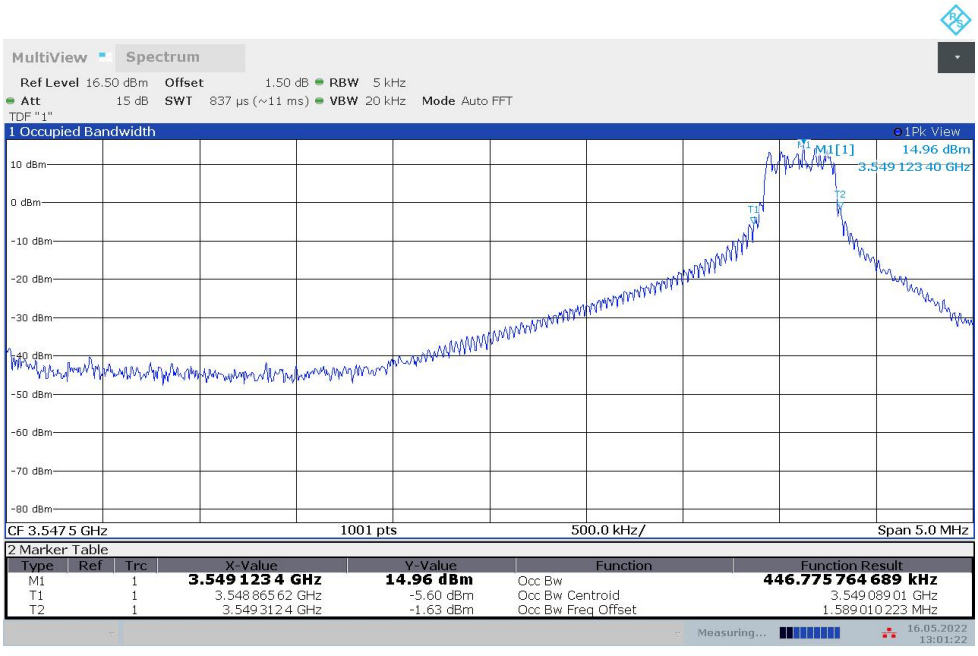
OBW: 1RB-HIGH_offset



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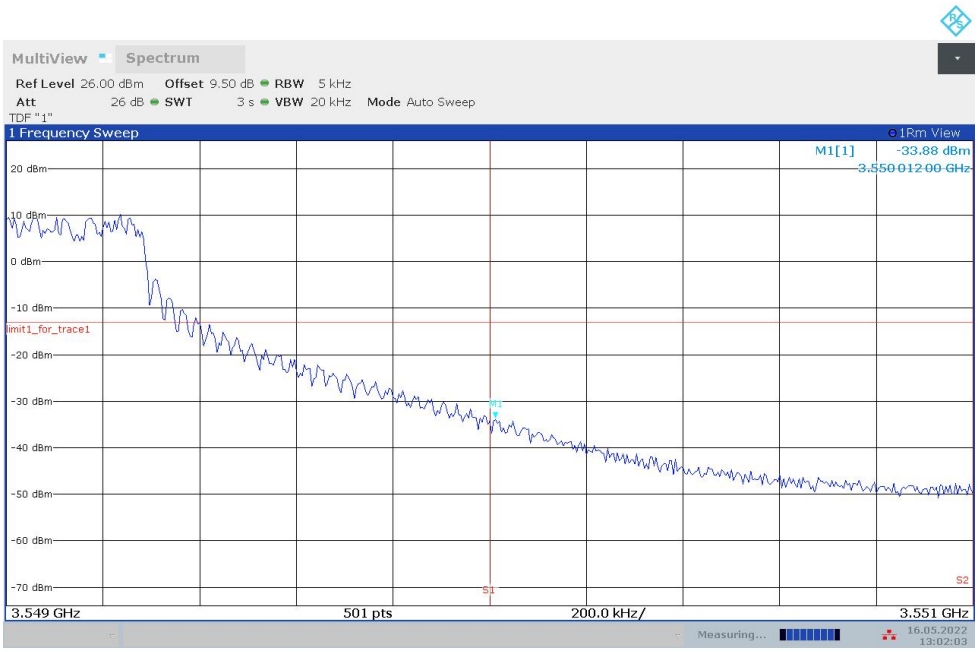

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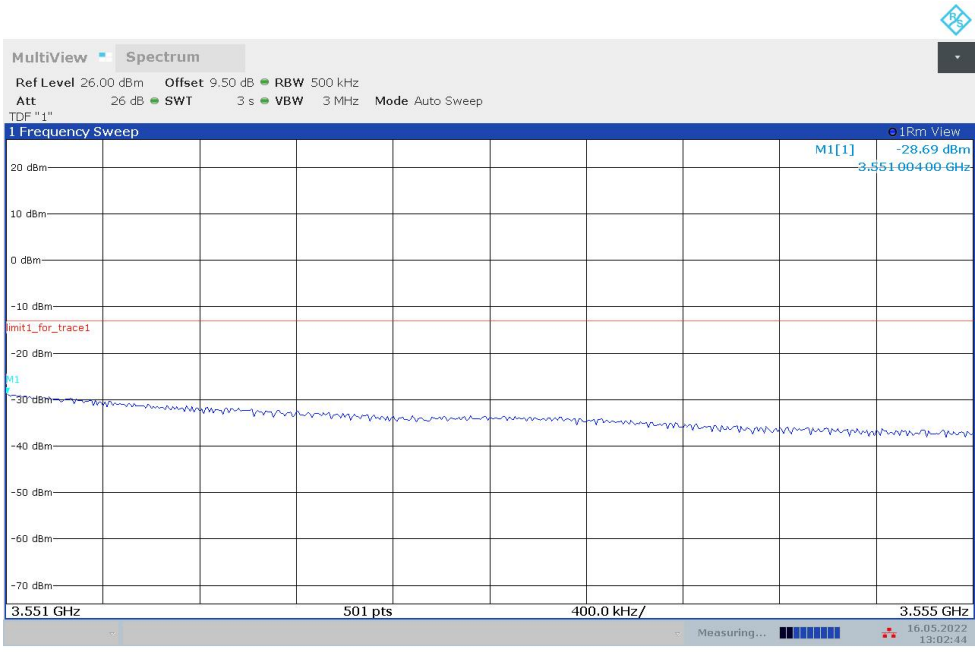

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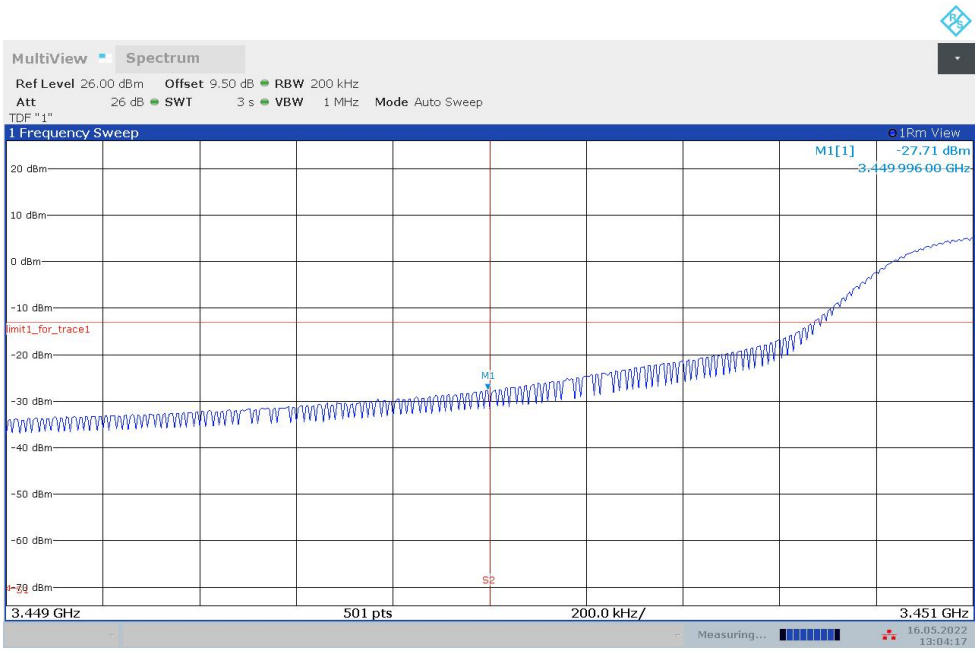
LOW BAND EDGE BLOCK-90M-100%RB



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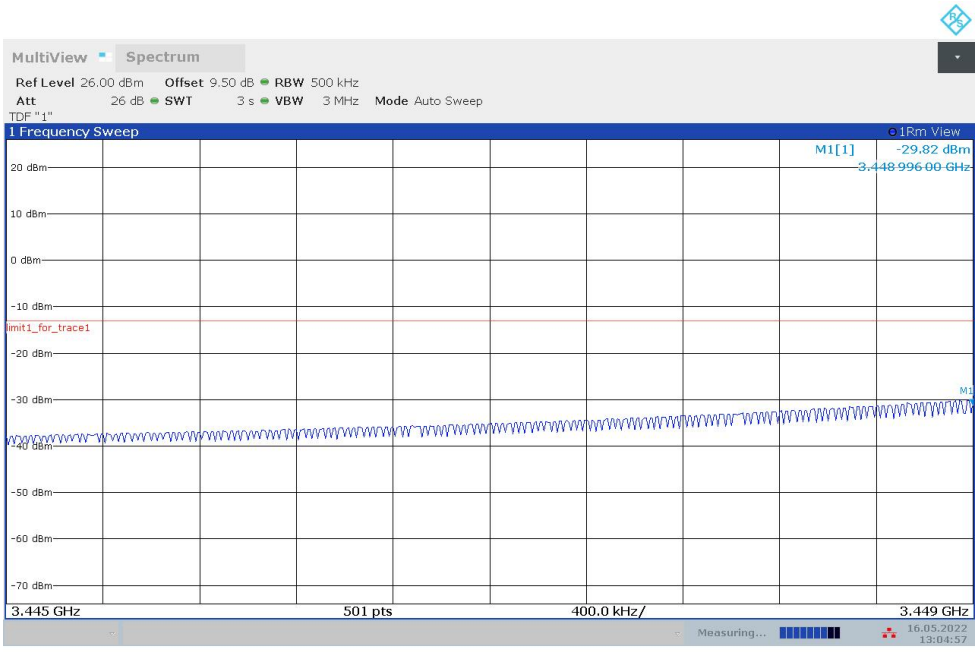
LOW BAND EDGE BLOCK-90M-100%RB



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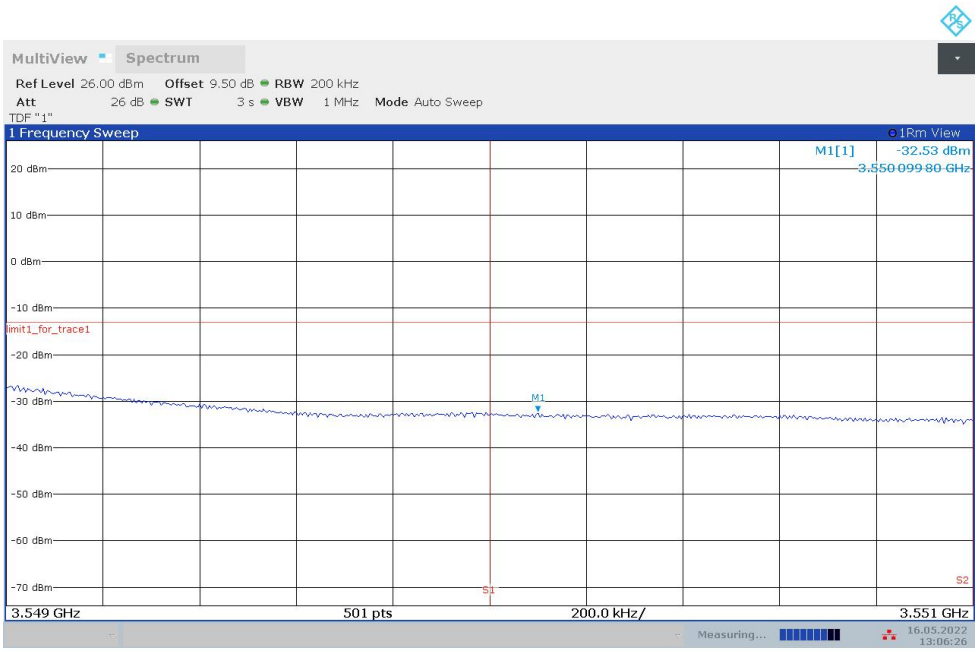
HIGH BAND EDGE BLOCK-90M-100%RB



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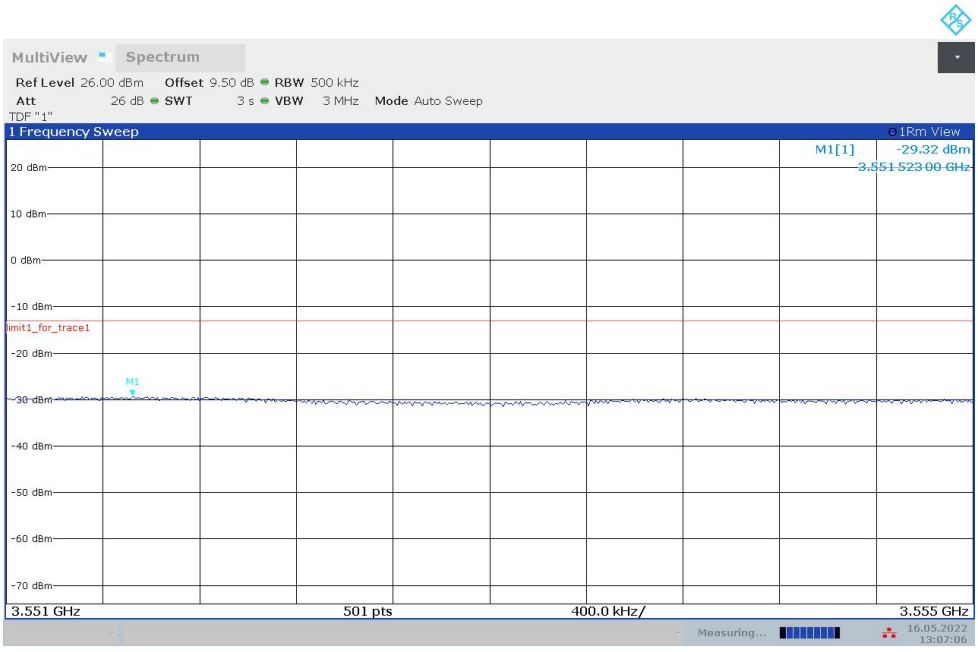
HIGH BAND EDGE BLOCK-90M-100%RB



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