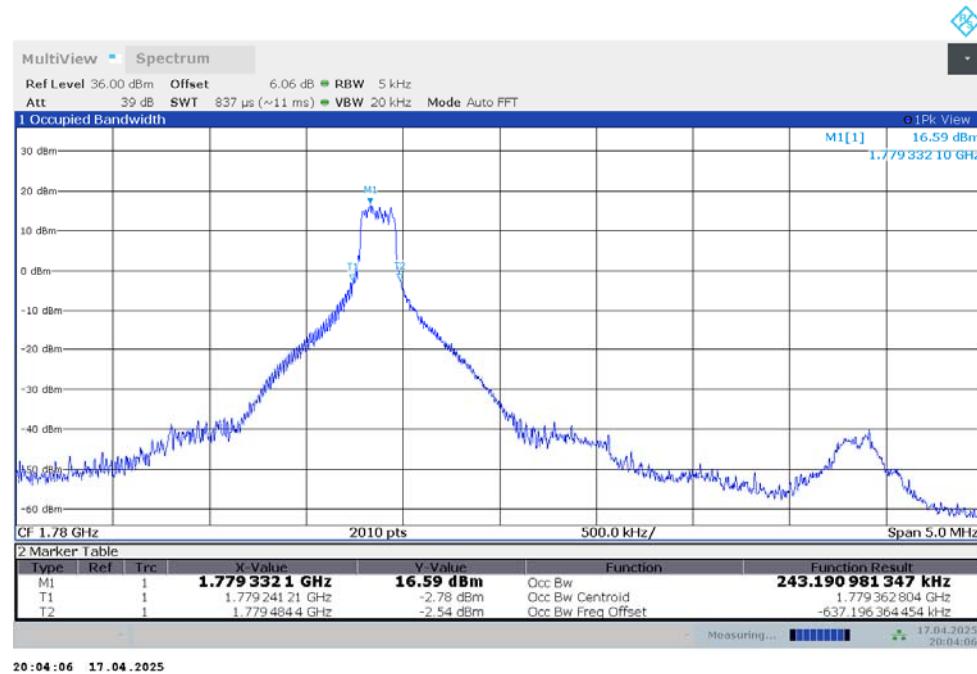
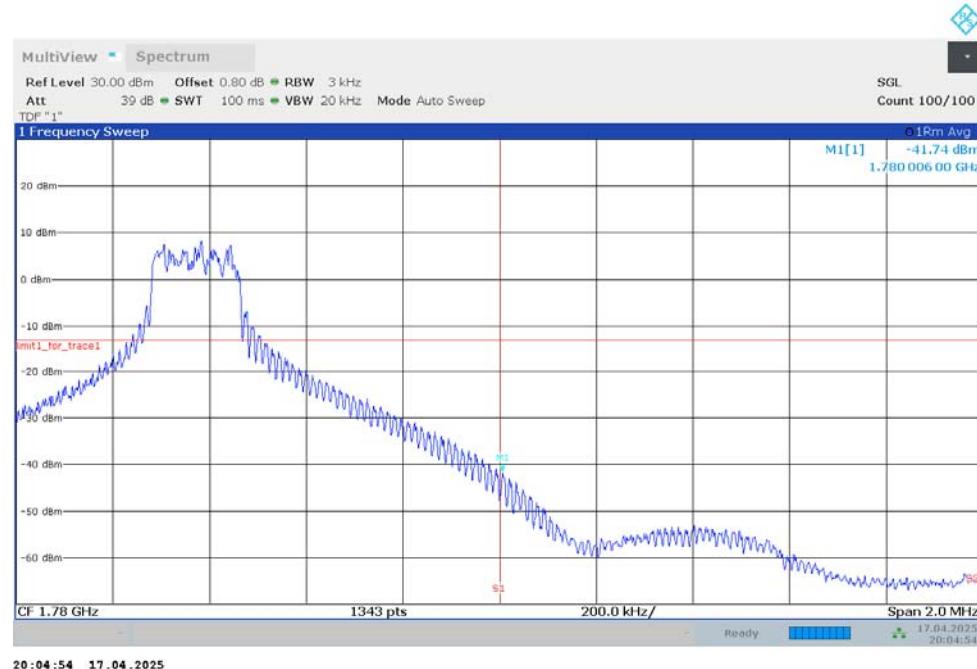


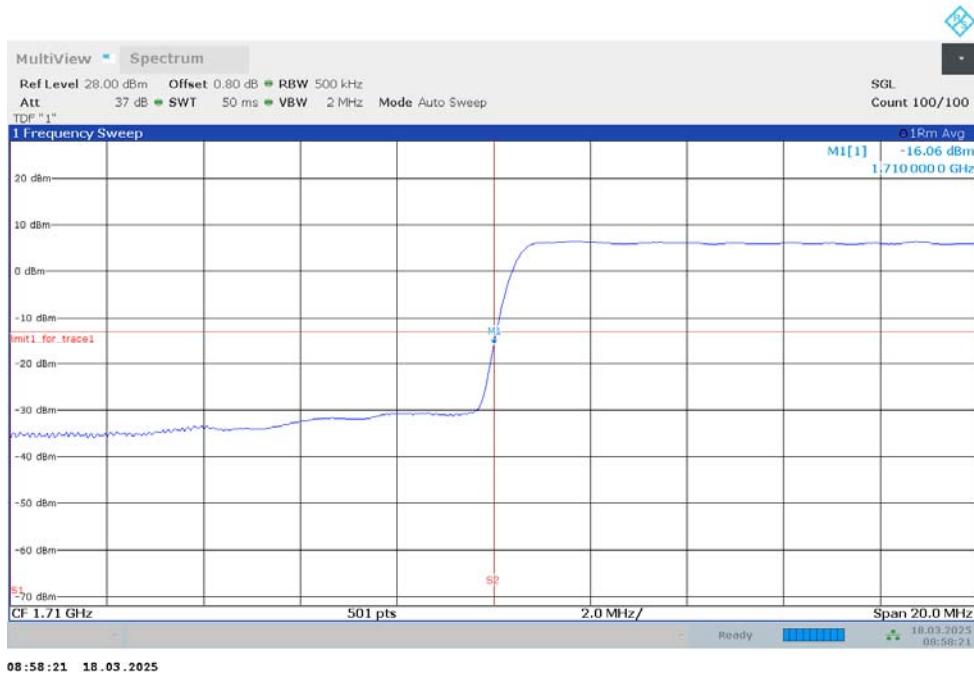
### OBW: 1RB-HIGH\_offset



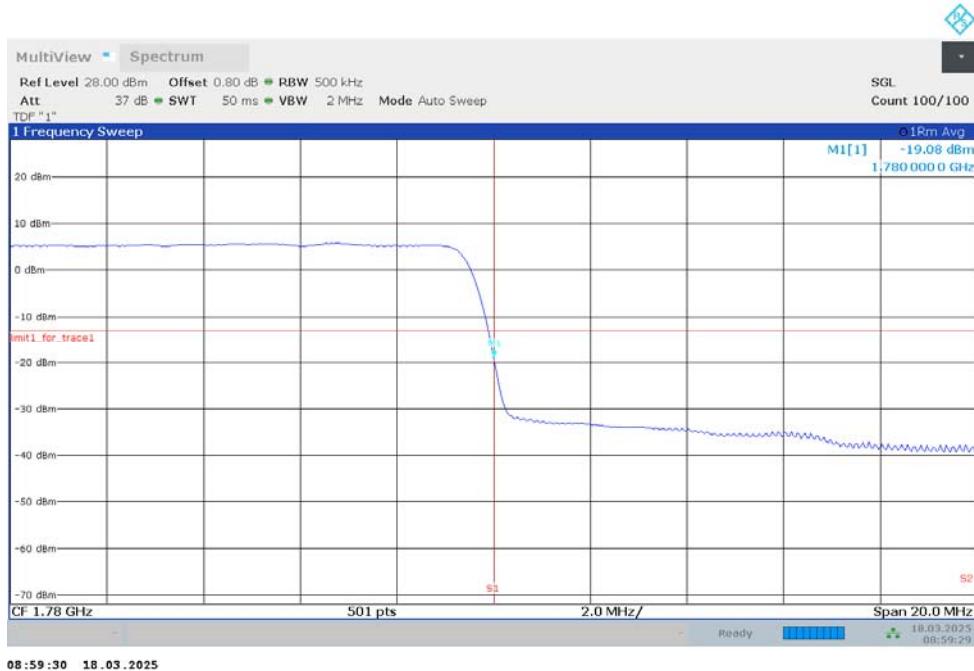
### HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



## LOW BAND EDGE BLOCK-40MHz-100%RB

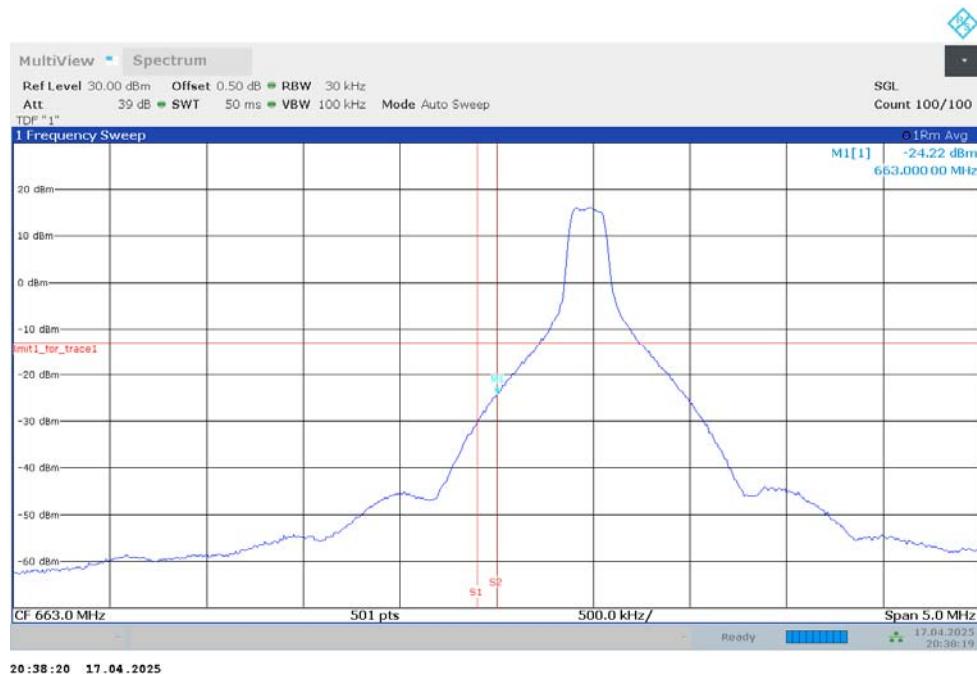


## HIGH BAND EDGE BLOCK-40MHz-100%RB



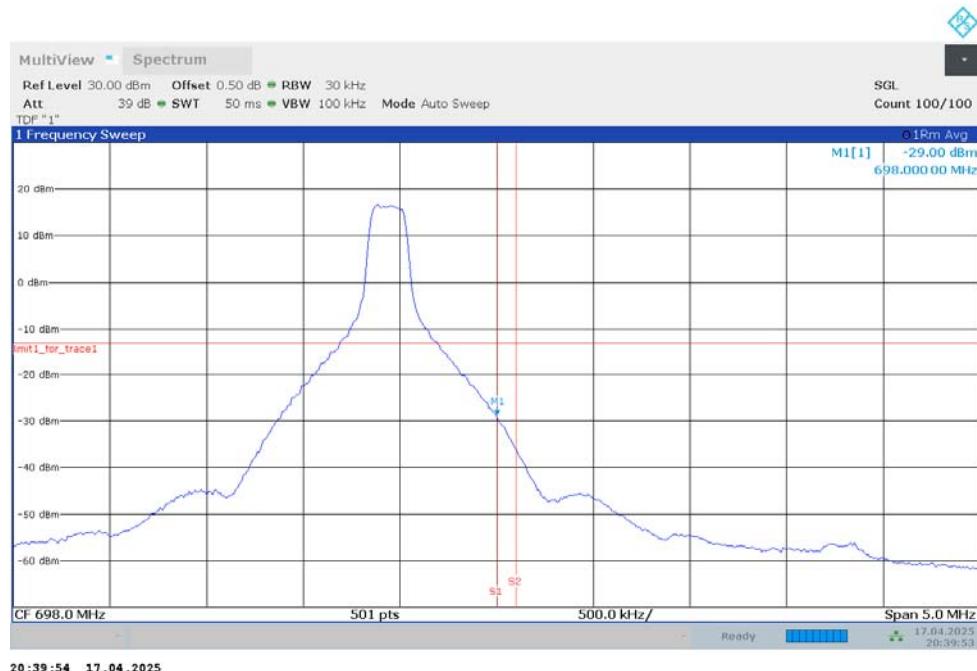
NR n71

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



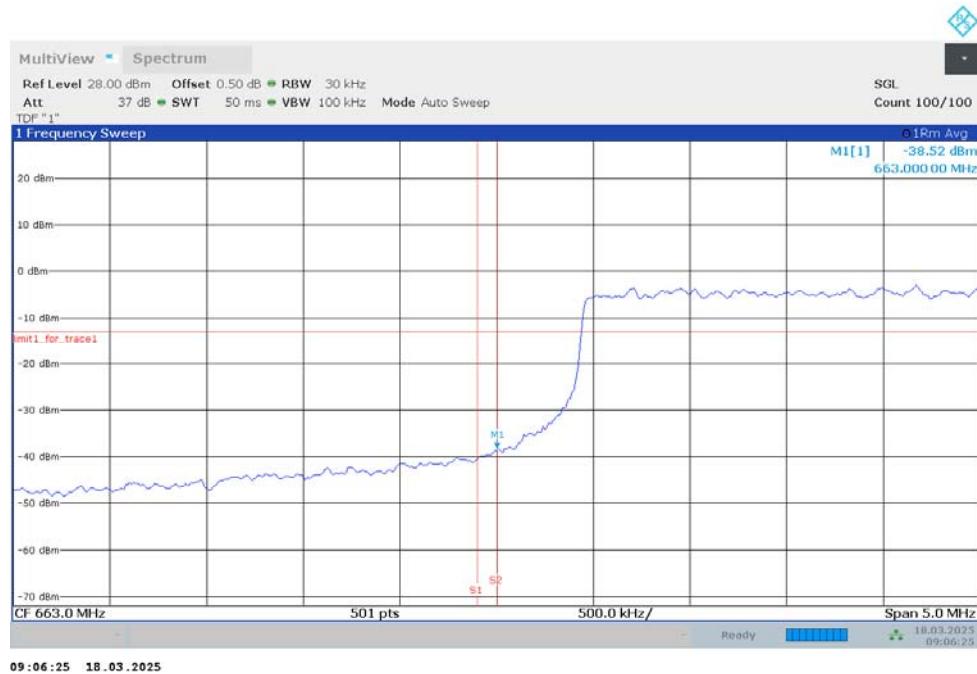
20:38:20 17.04.2025

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

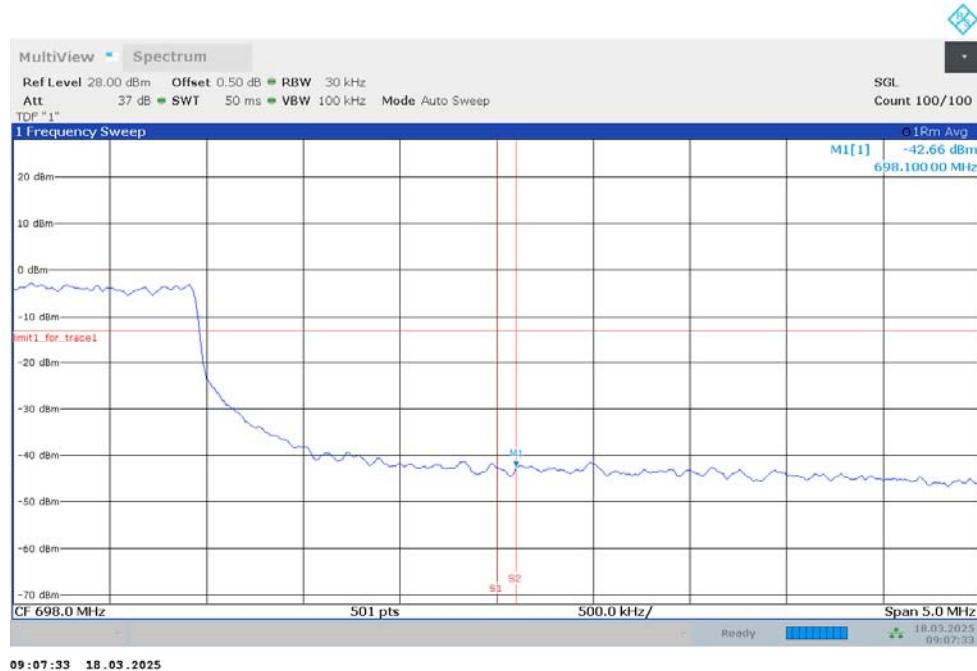


20:39:54 17.04.2025

## LOW BAND EDGE BLOCK-20MHz-100%RB

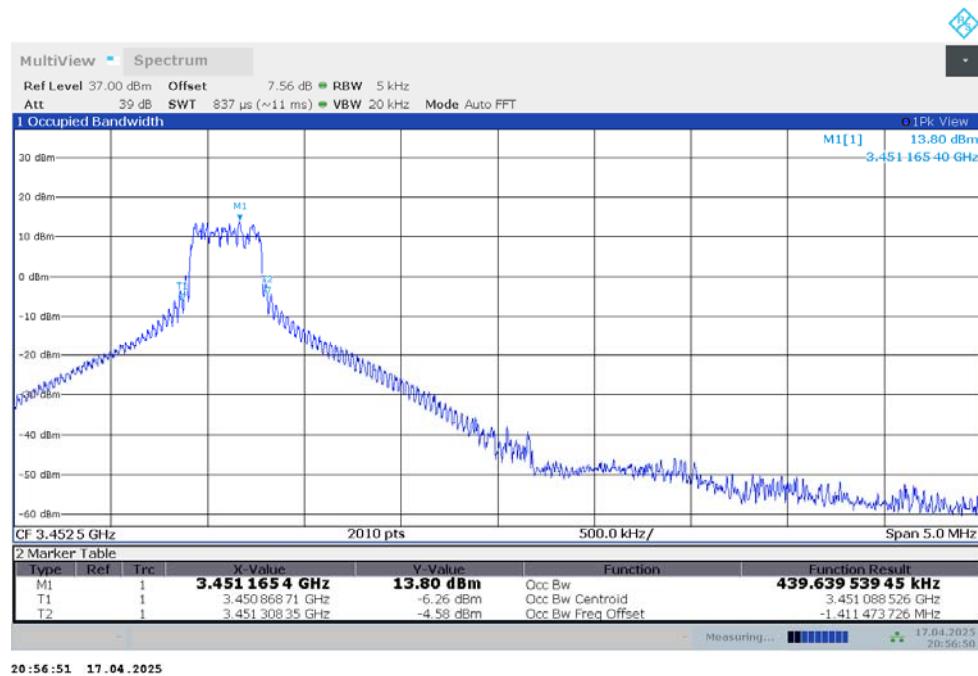


## HIGH BAND EDGE BLOCK-20MHz-100%RB

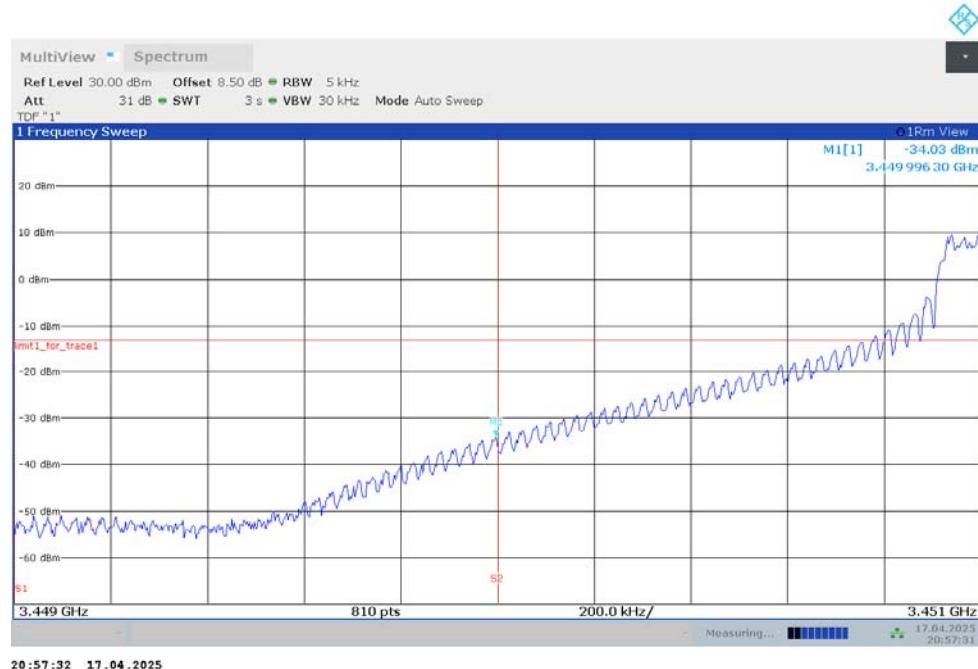


## NR n78L

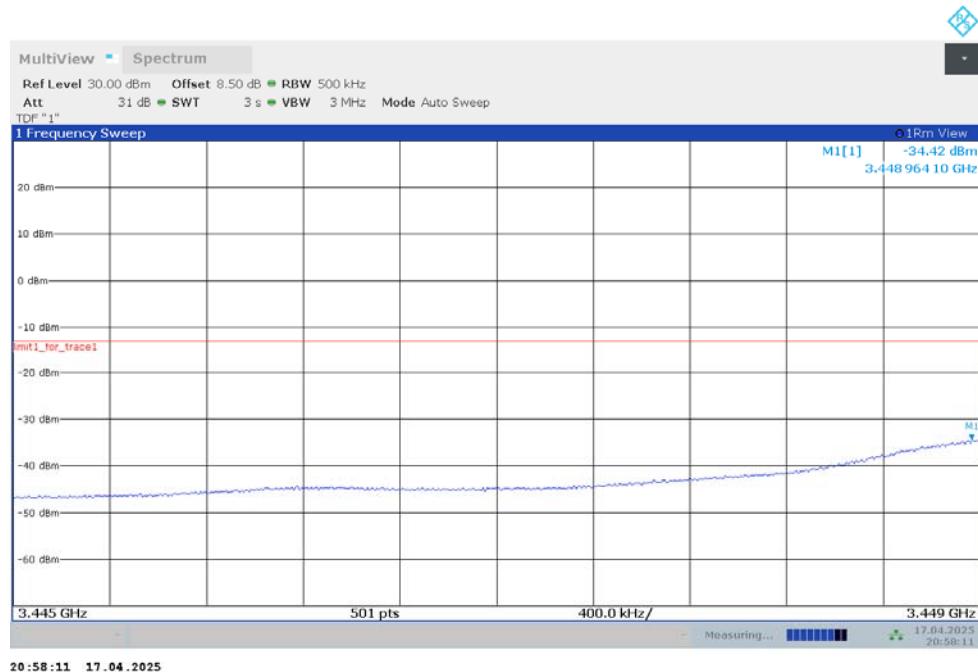
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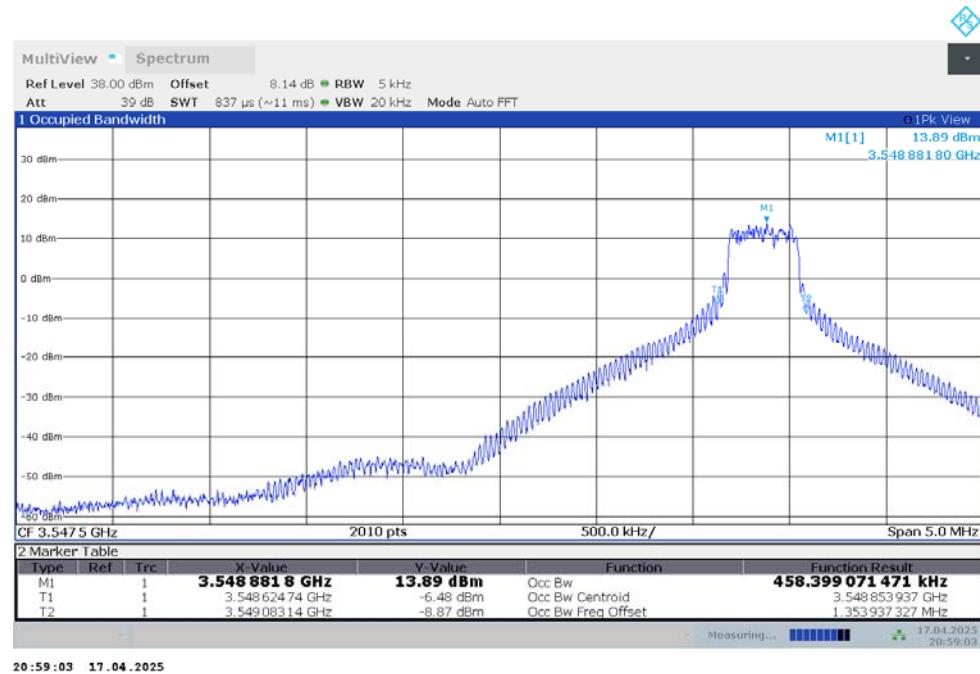
### LOW BAND EDGE BLOCK-1RB-LOW\_offset



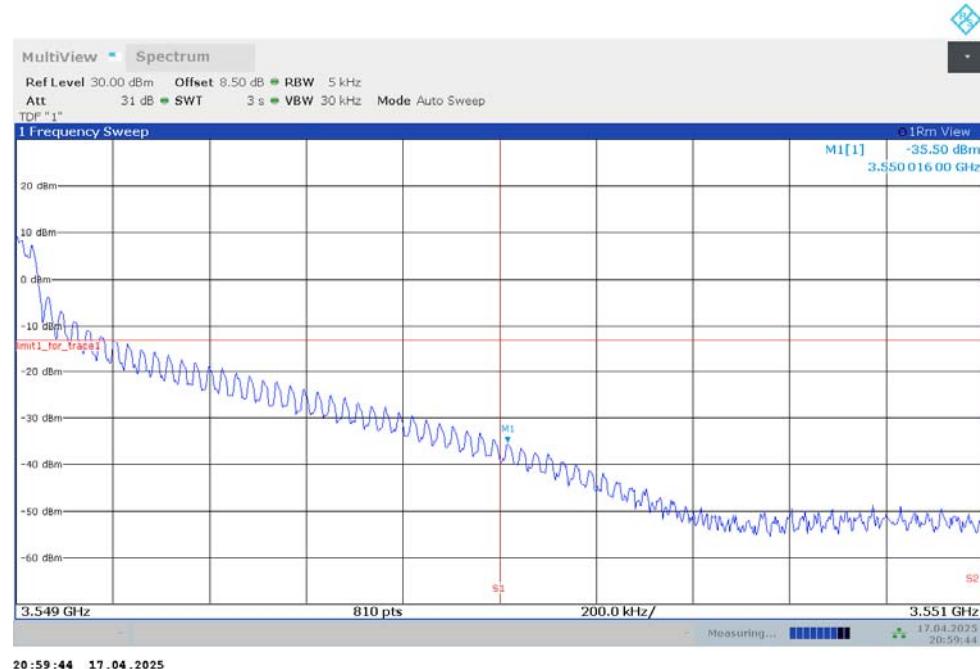
## LOW BAND EDGE BLOCK-1RB-LOW\_offset



### OBW: 1RB-HIGH\_offset



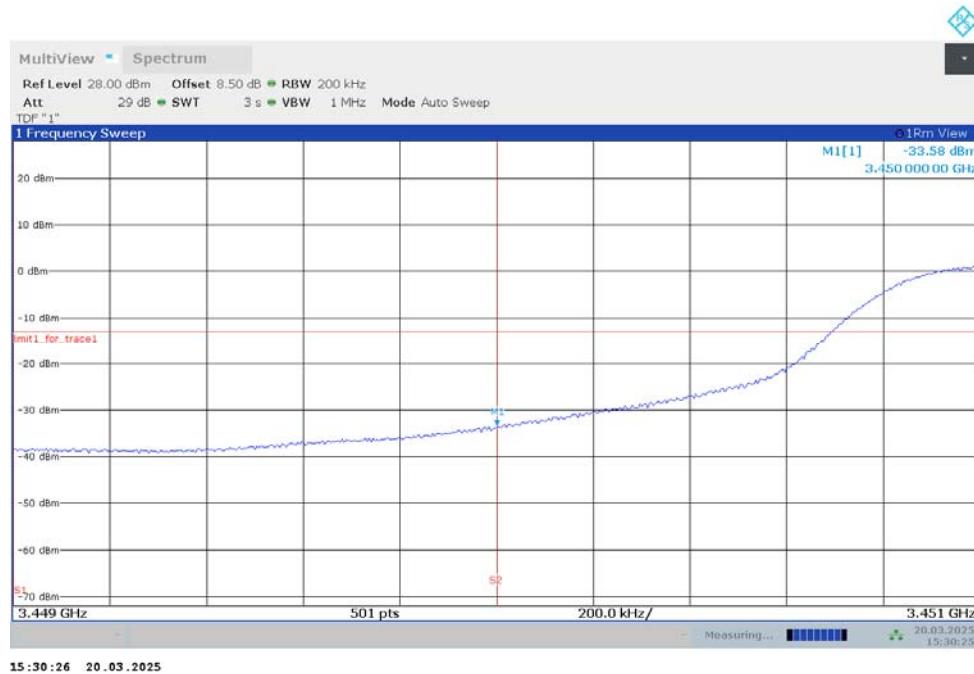
### HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



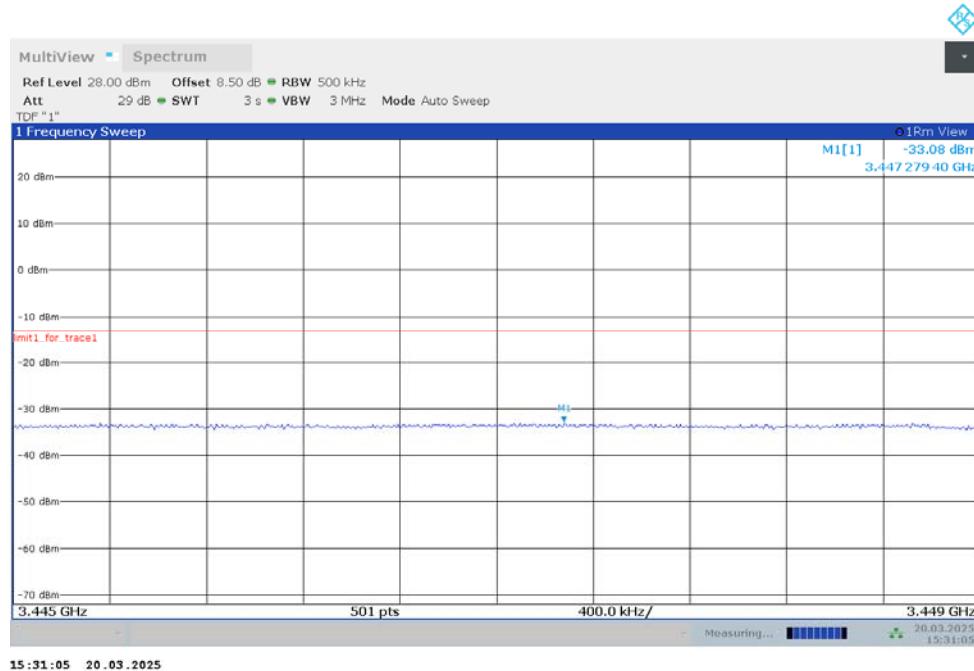
### HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



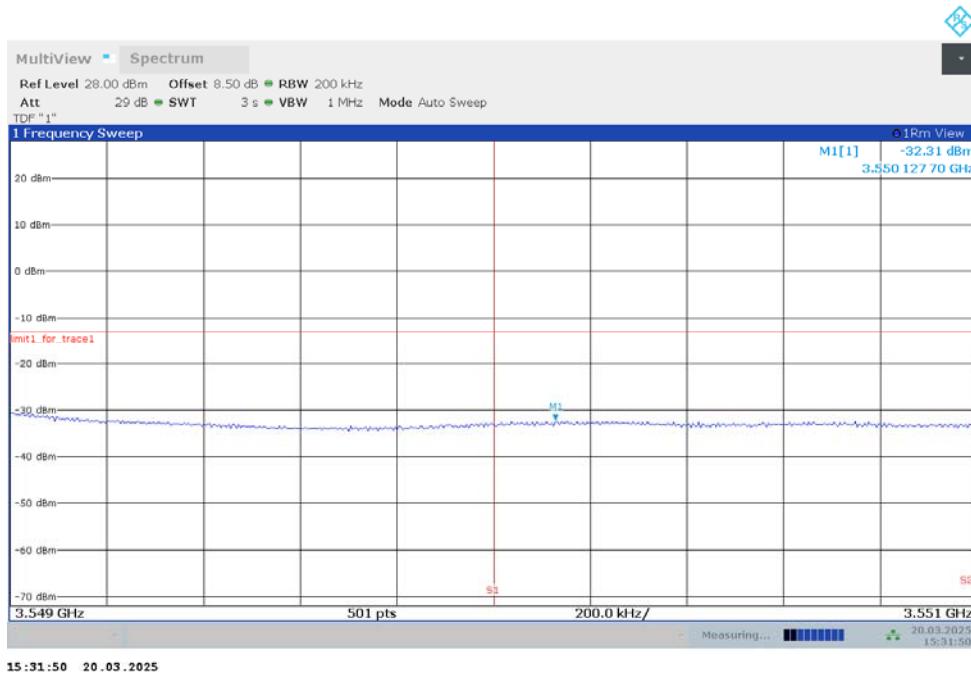
## LOW BAND EDGE BLOCK-100MHz-100%RB



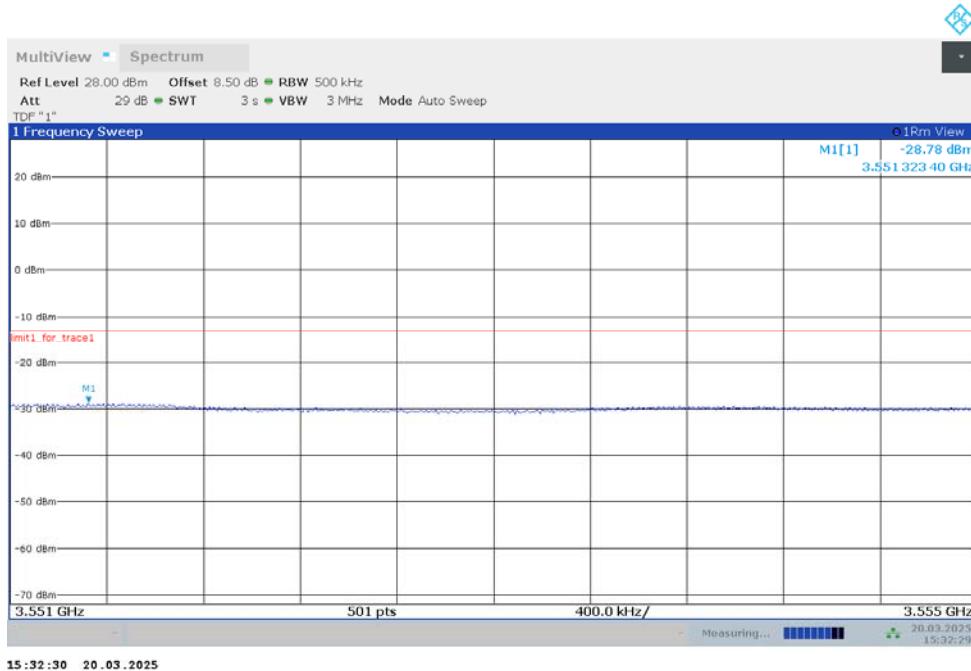
## LOW BAND EDGE BLOCK-100MHz-100%RB



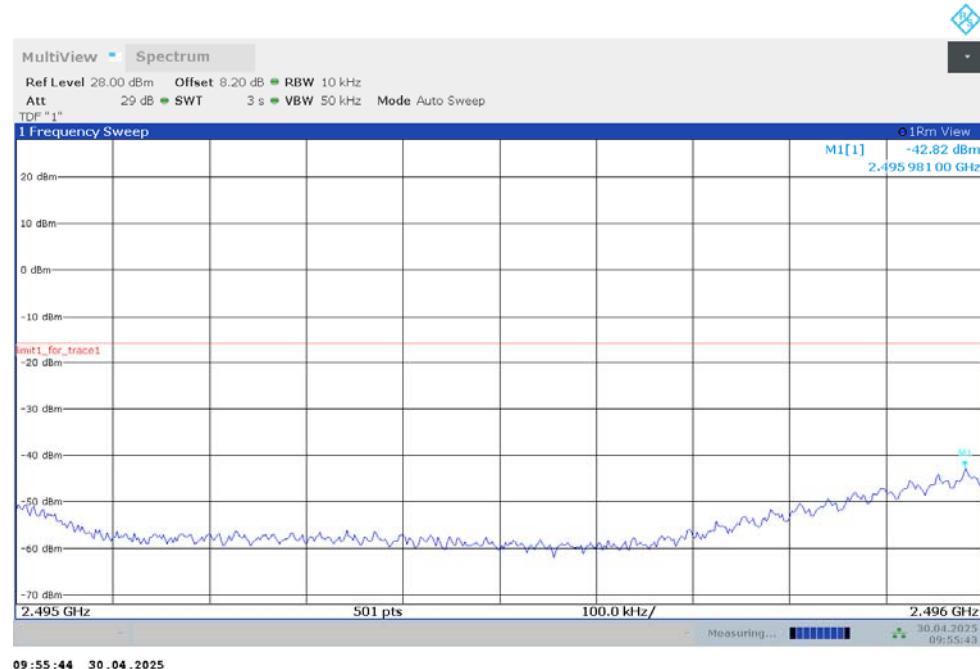
## HIGH BAND EDGE BLOCK-100MHz-100%RB



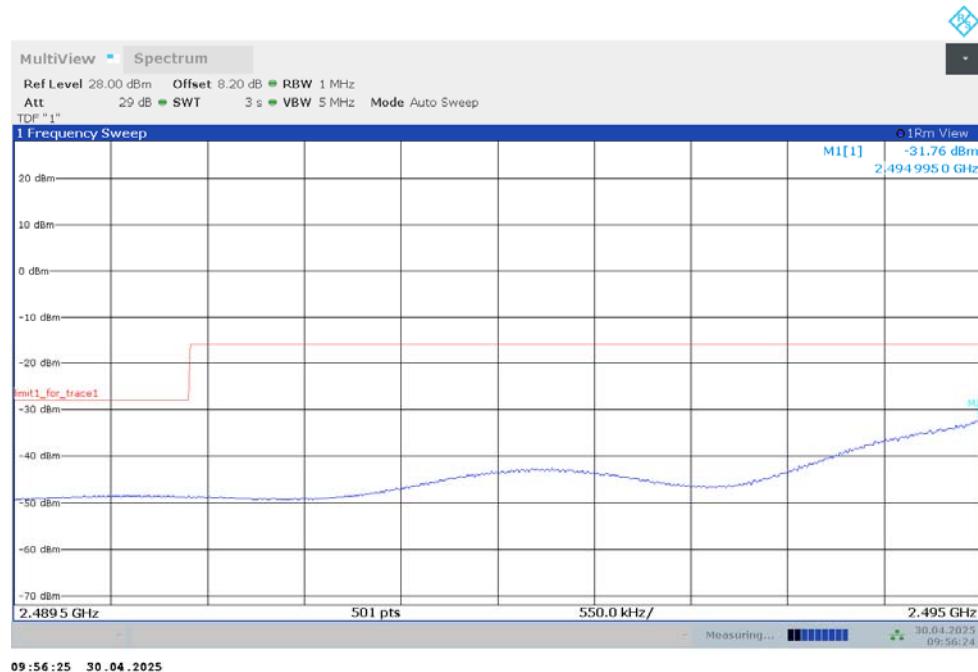
## HIGH BAND EDGE BLOCK-100MHz-100%RB



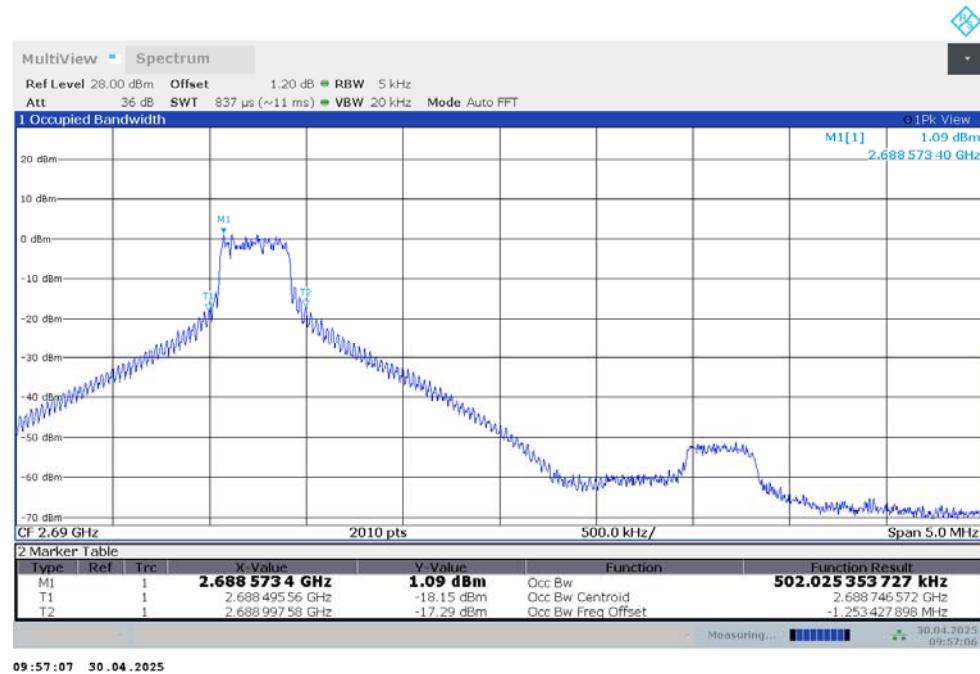
**NR n41-MIMO**
**OBW: 1RB-LOW\_offset**

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


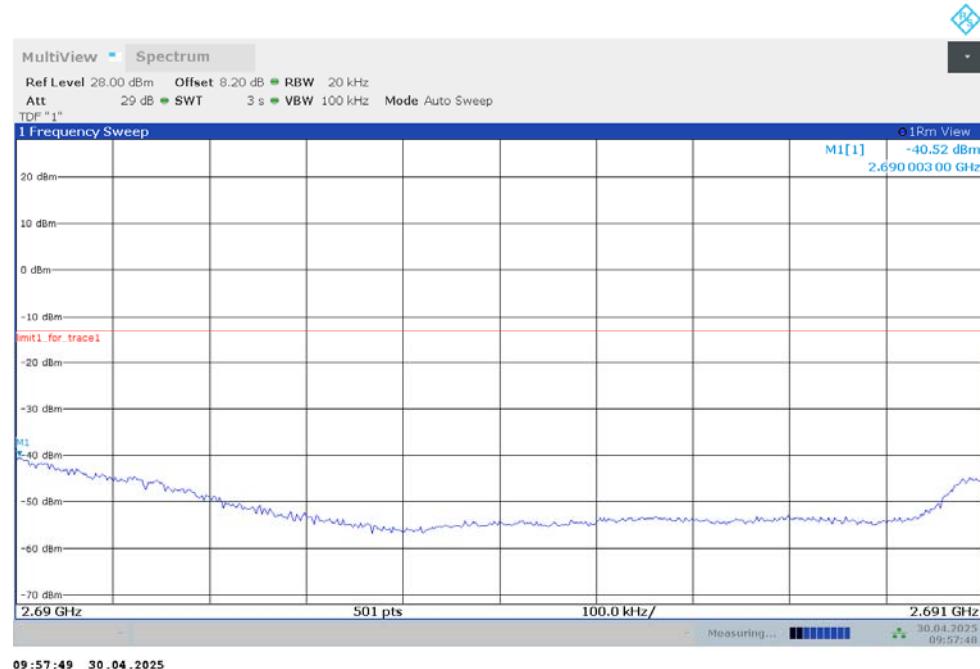
### LOW BAND EDGE BLOCK-1RB-LOW\_offset



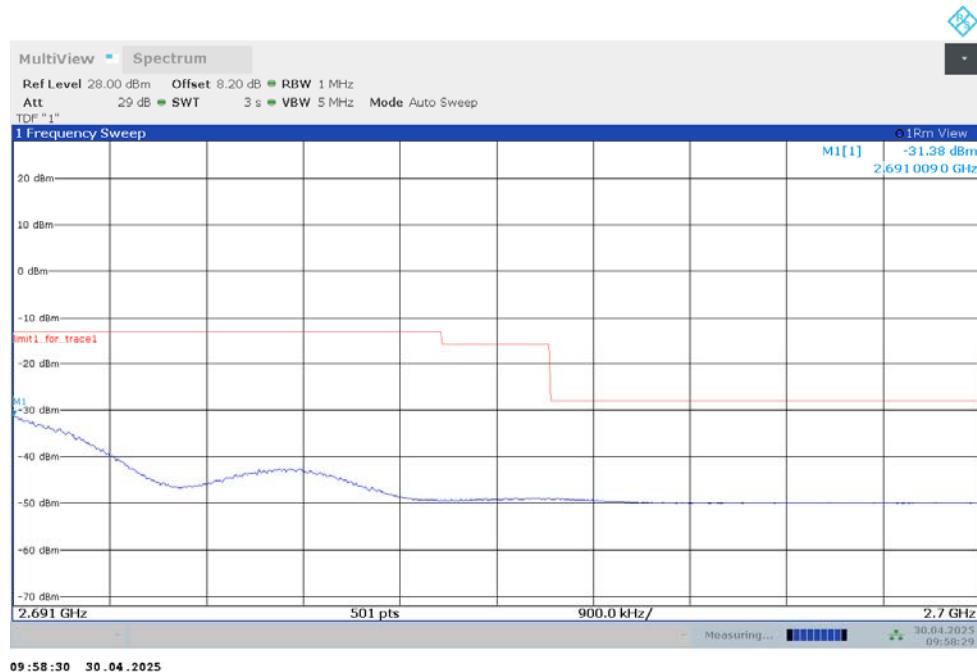
### OBW: 1RB-HIGH\_offset



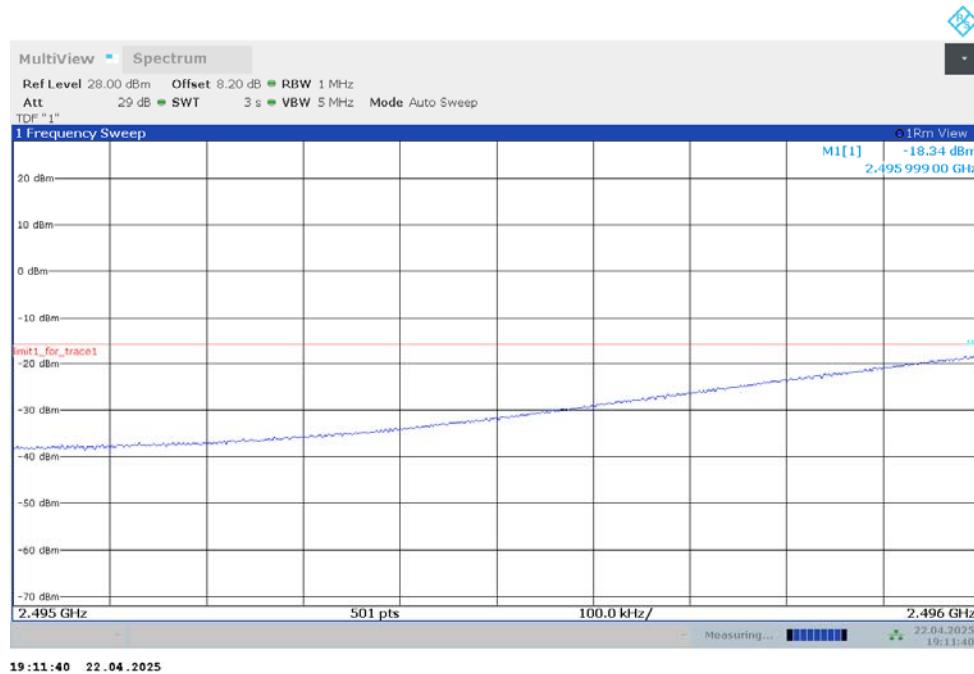
### HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



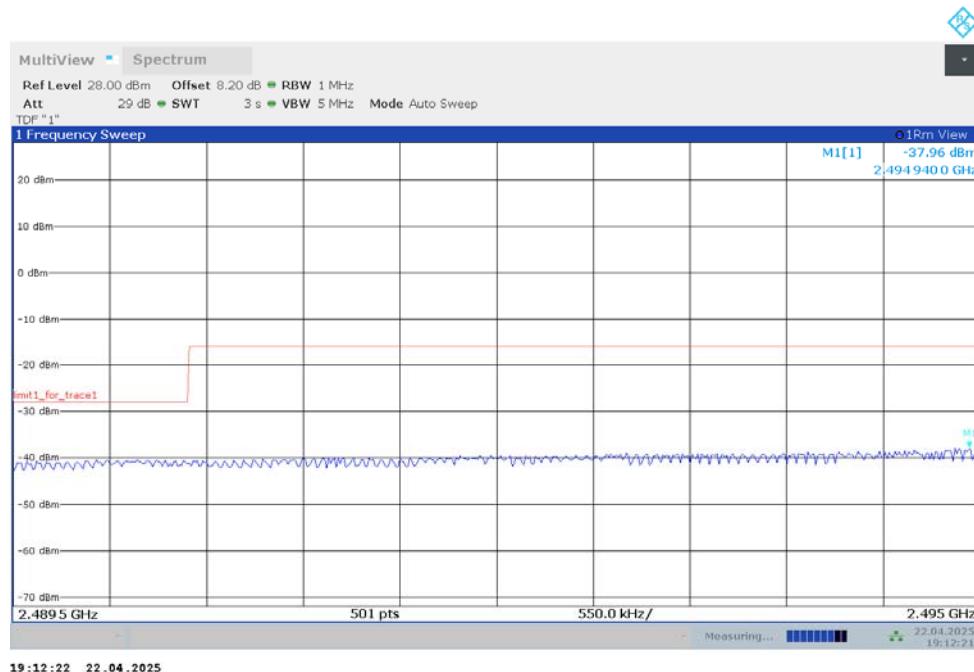
## HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



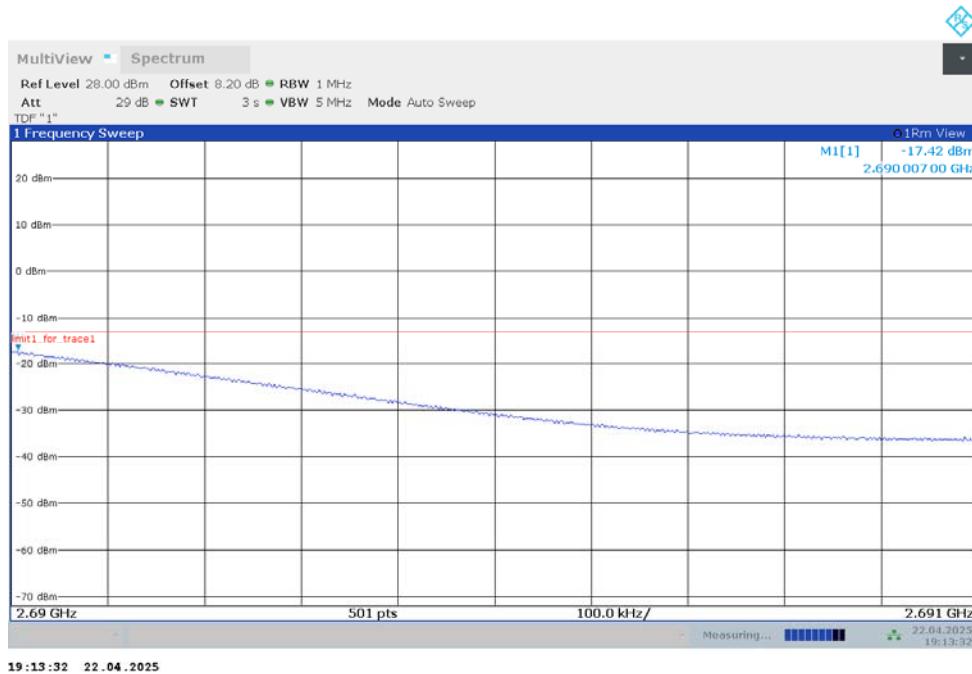
## LOW BAND EDGE BLOCK-100M-100%RB



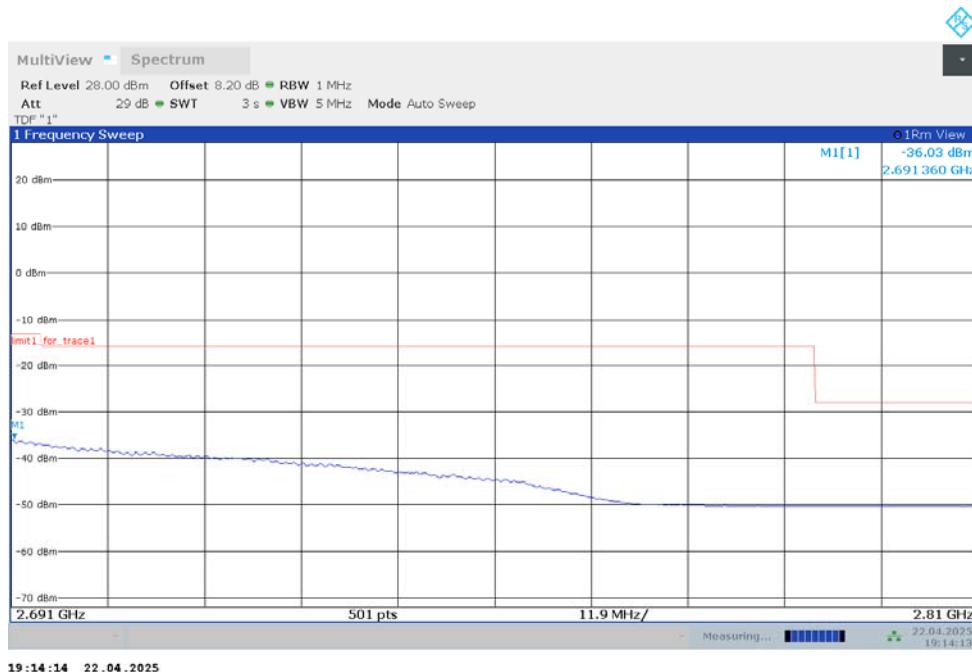
## LOW BAND EDGE BLOCK-100M-100%RB

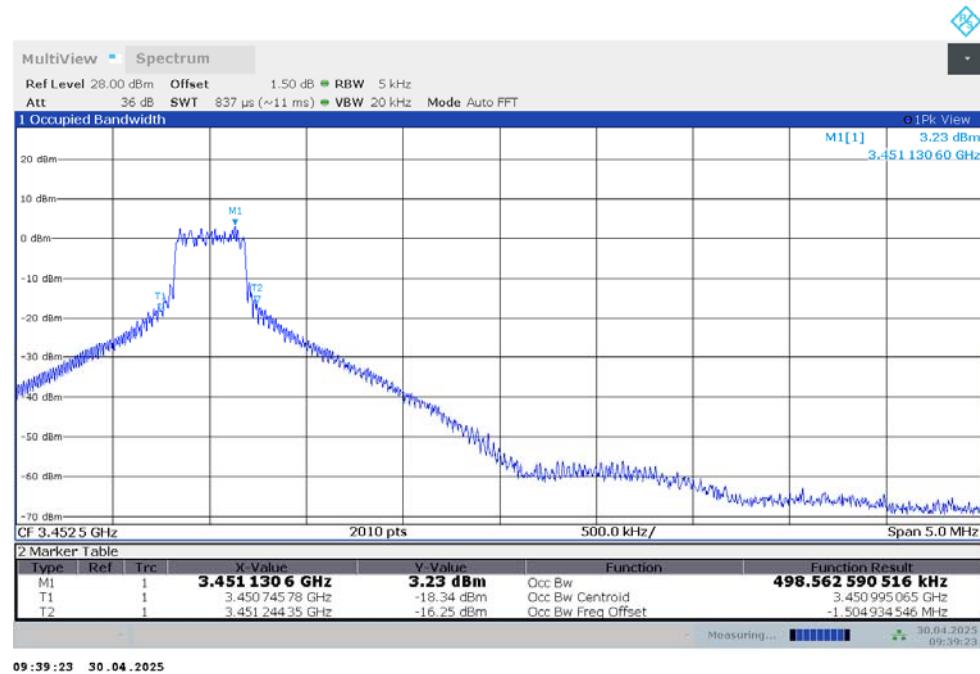
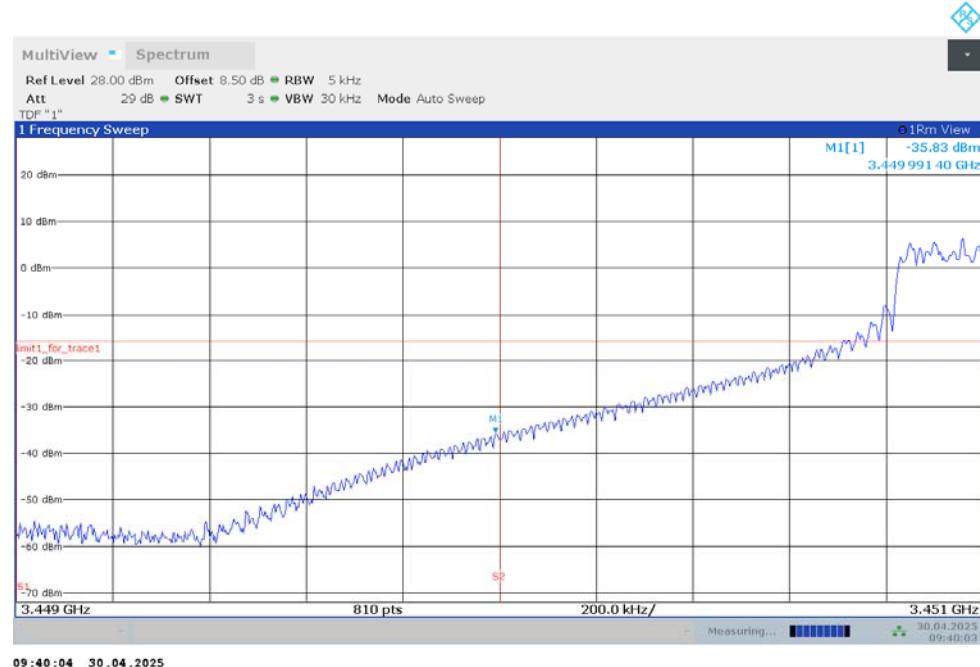


## HIGH BAND EDGE BLOCK-100M-100%RB



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

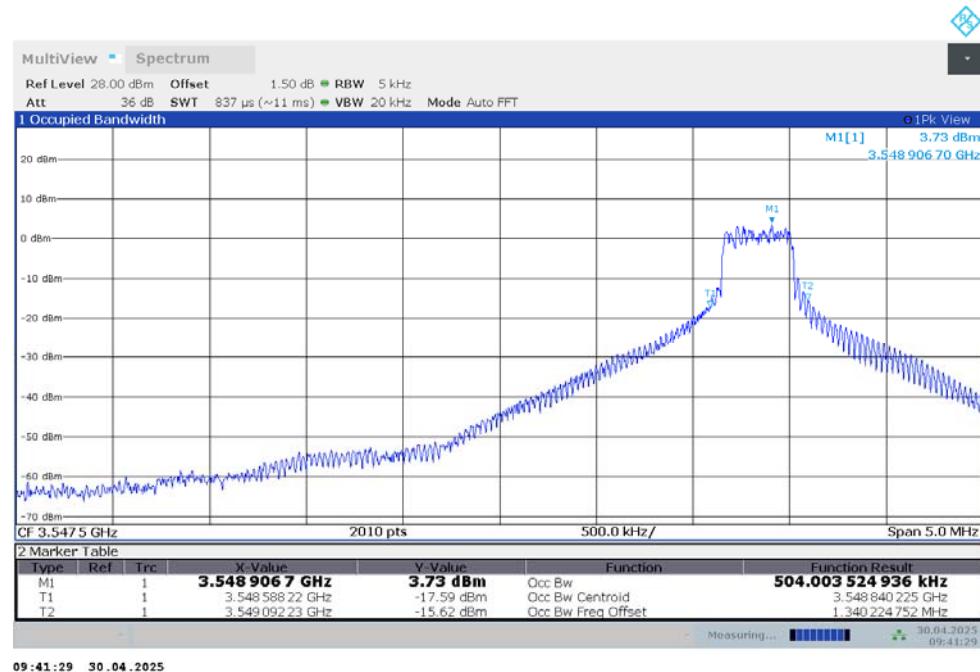


**NR n78L-MIMO**
**OBW: 1RB-LOW\_offset**

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


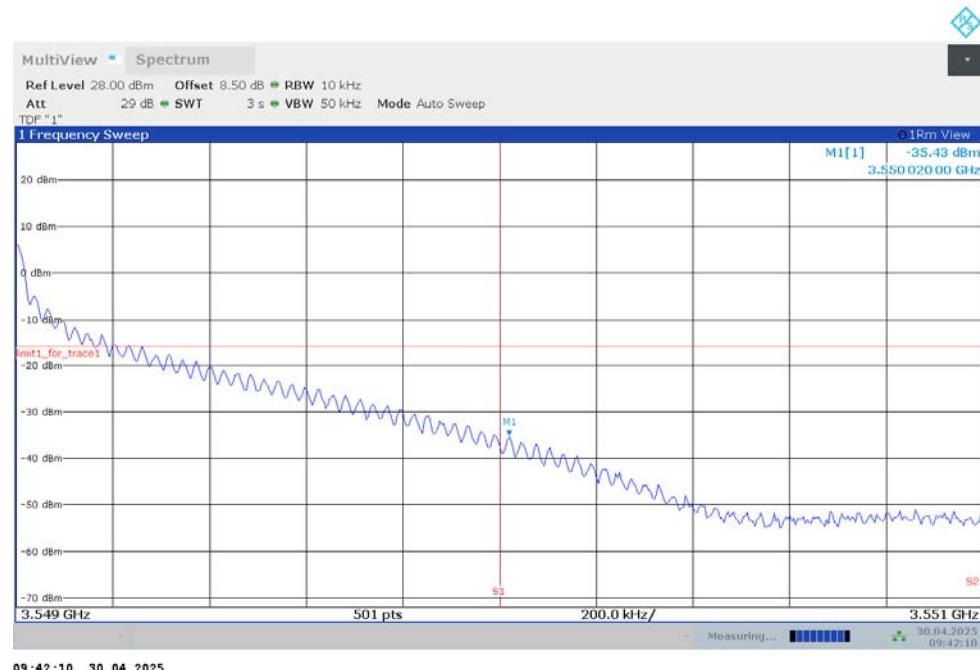
## LOW BAND EDGE BLOCK-1RB-LOW\_offset



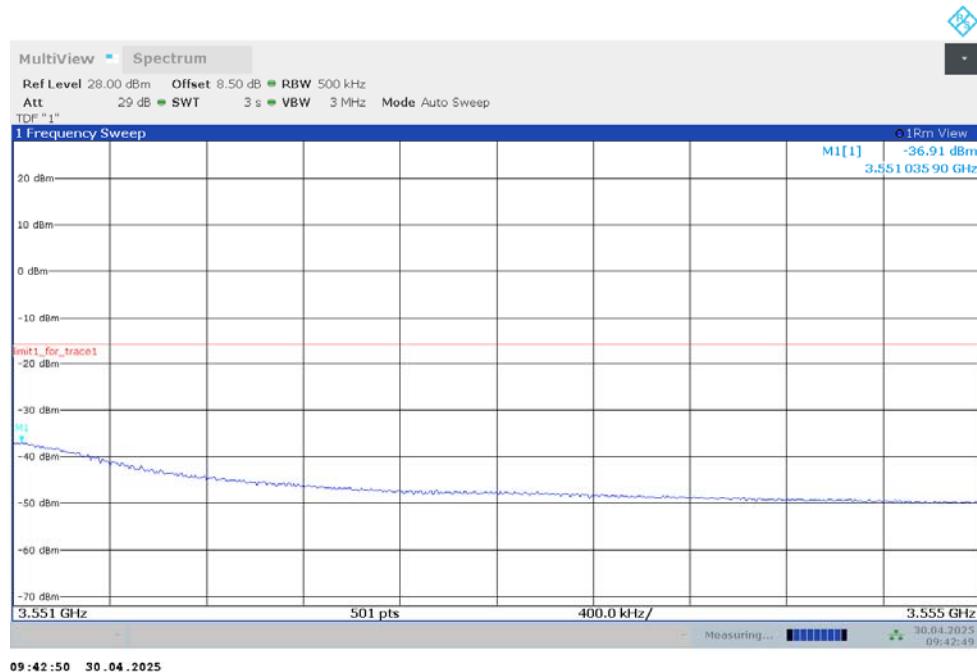
### OBW: 1RB-HIGH\_offset



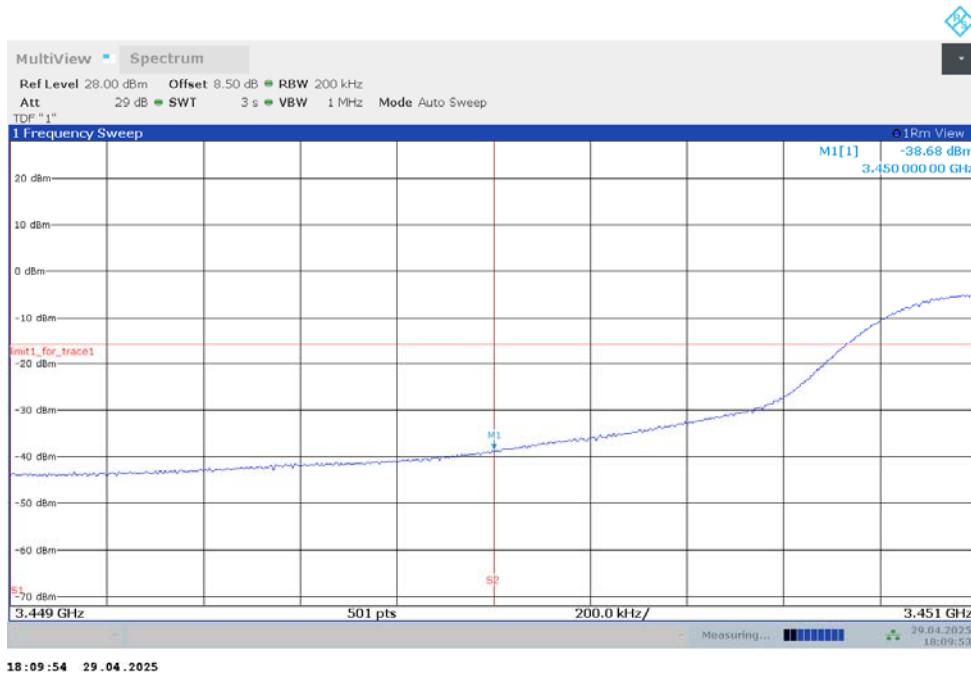
### HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



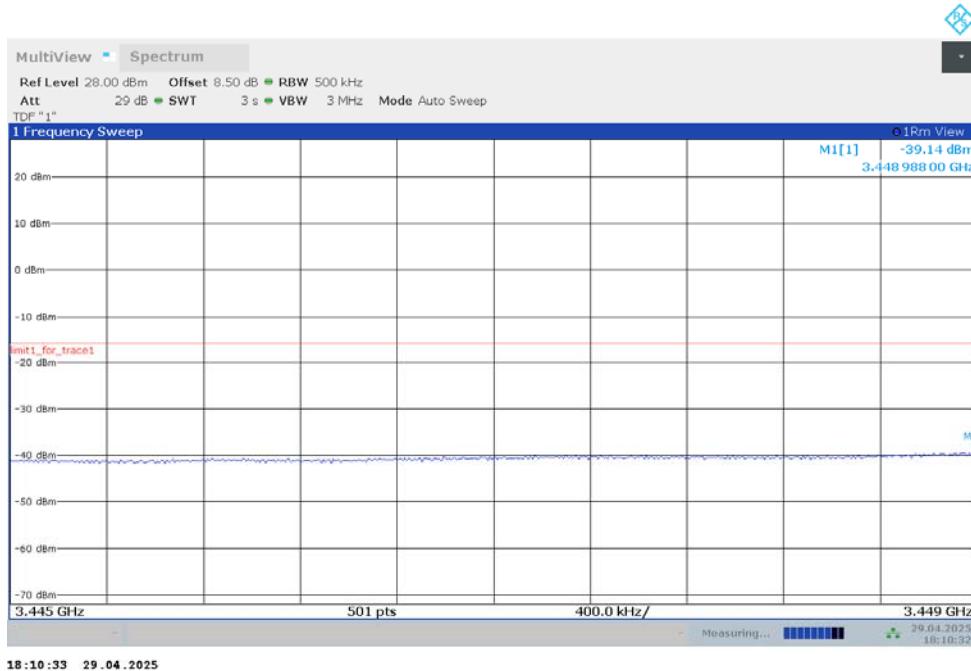
### HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



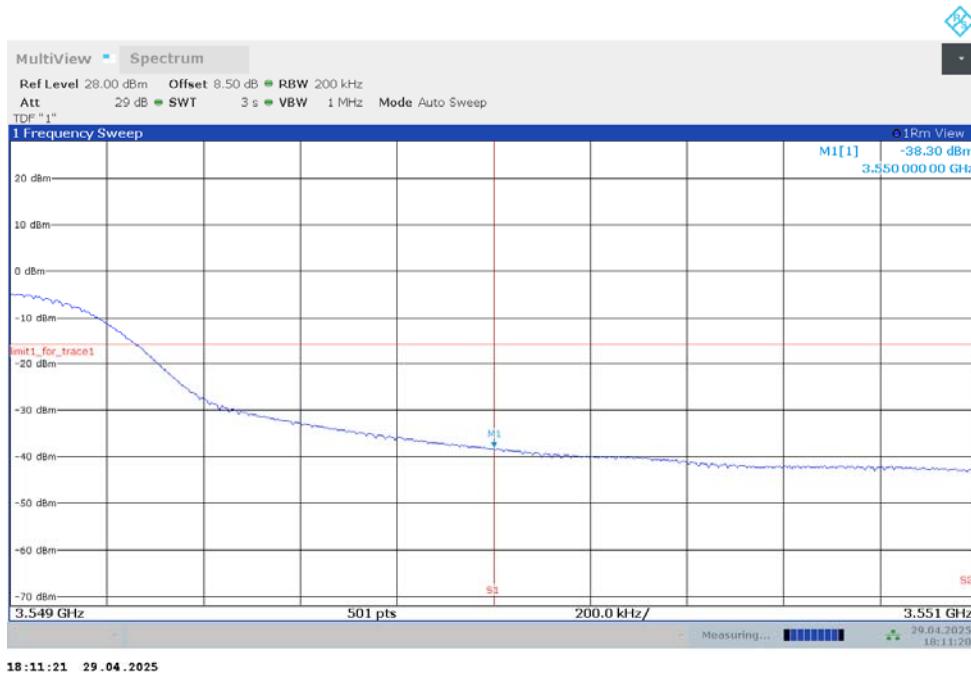
## LOW BAND EDGE BLOCK-100M-100%RB



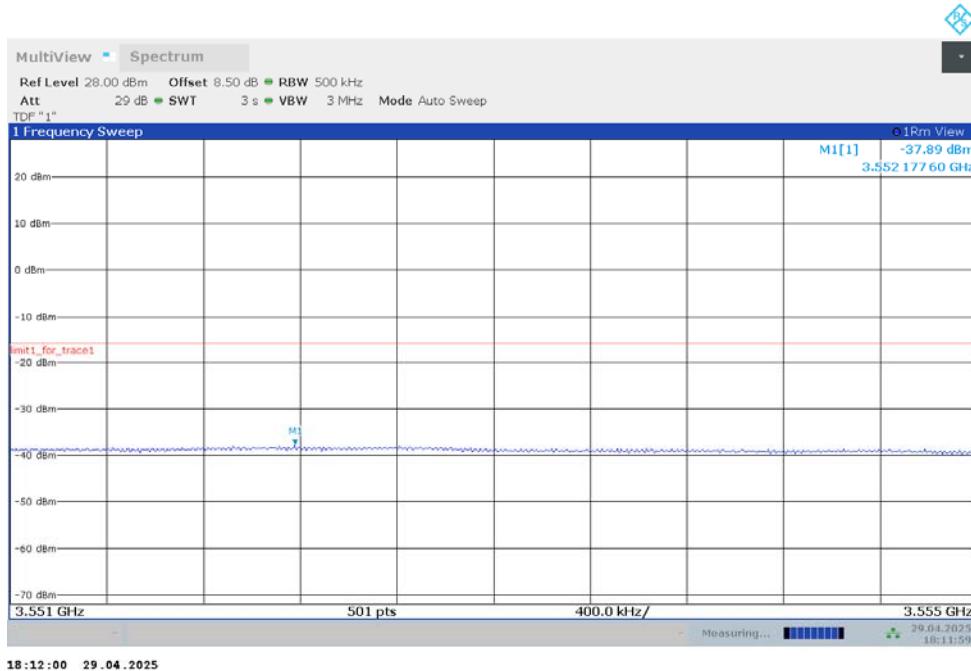
## LOW BAND EDGE BLOCK-100M-100%RB



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



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



## **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(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  $-13 \text{ dBm}/\text{MHz}$ . Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater.

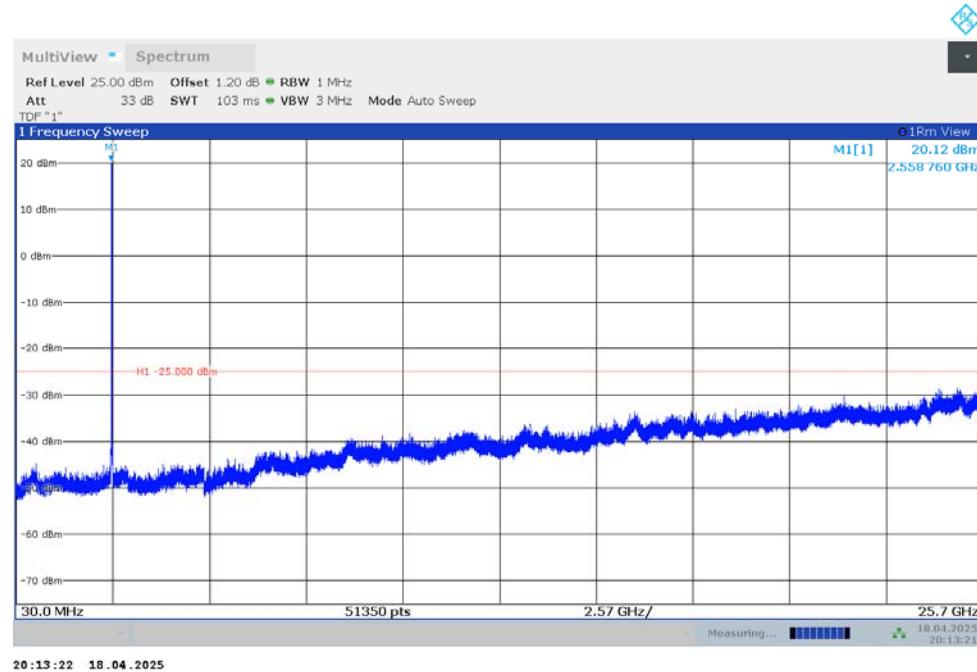
Part 96.41(e) states for channel and frequency assignments made by a CBSD to End User Devices, the conducted power of any End User Device emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed  $-13 \text{ dBm}/\text{MHz}$  within 0 to B megahertz (where 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. The conducted power of emissions below 3540 MHz or above 3710 MHz shall not exceed -25dBm/MHz, and the conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz.

### A.7.3 Measurement result

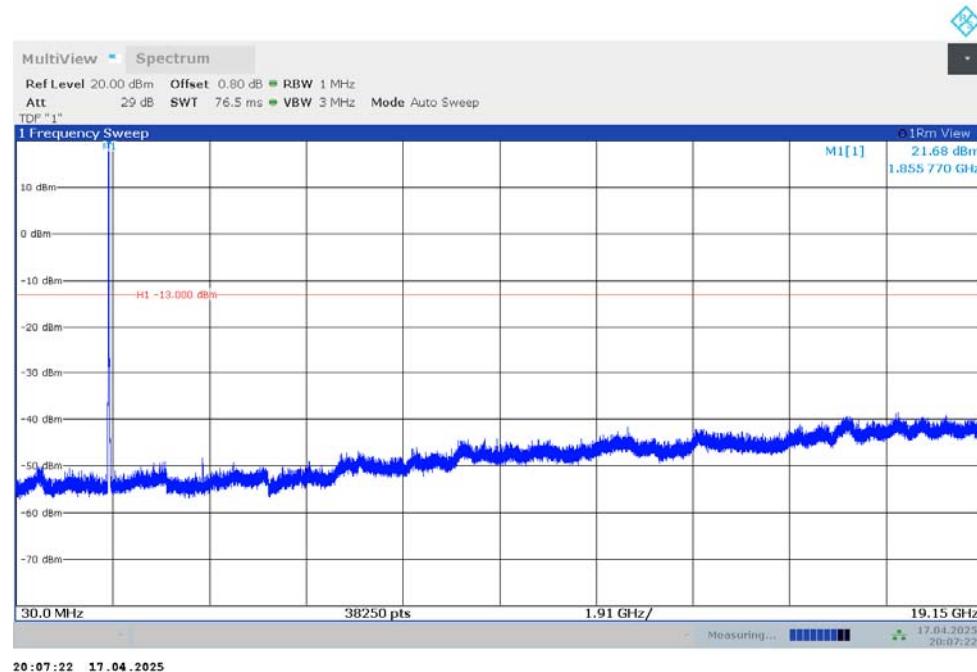
n7

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



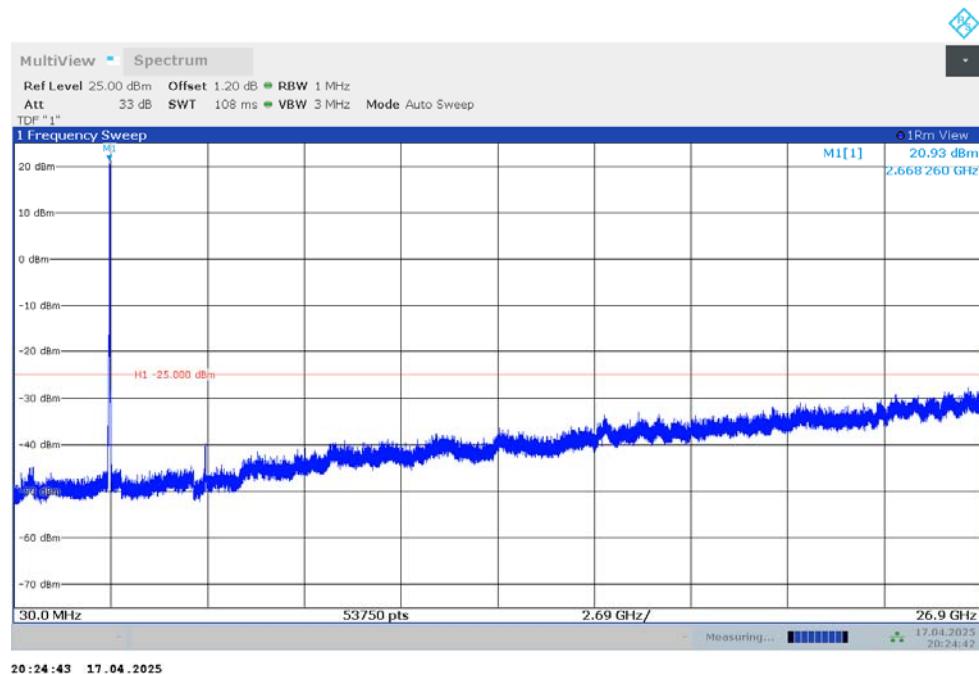
n25

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



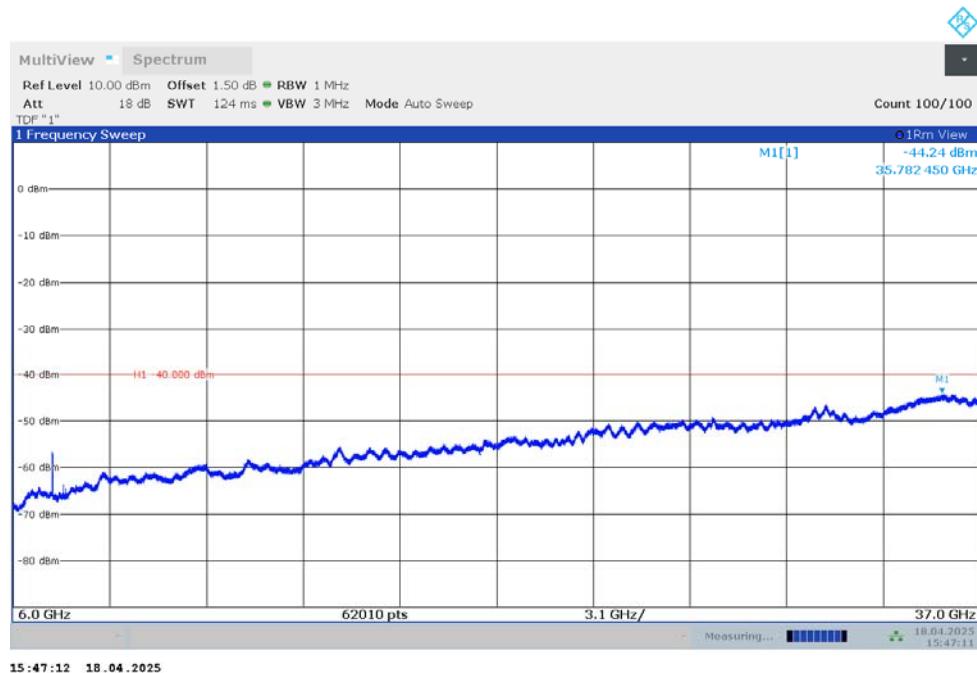
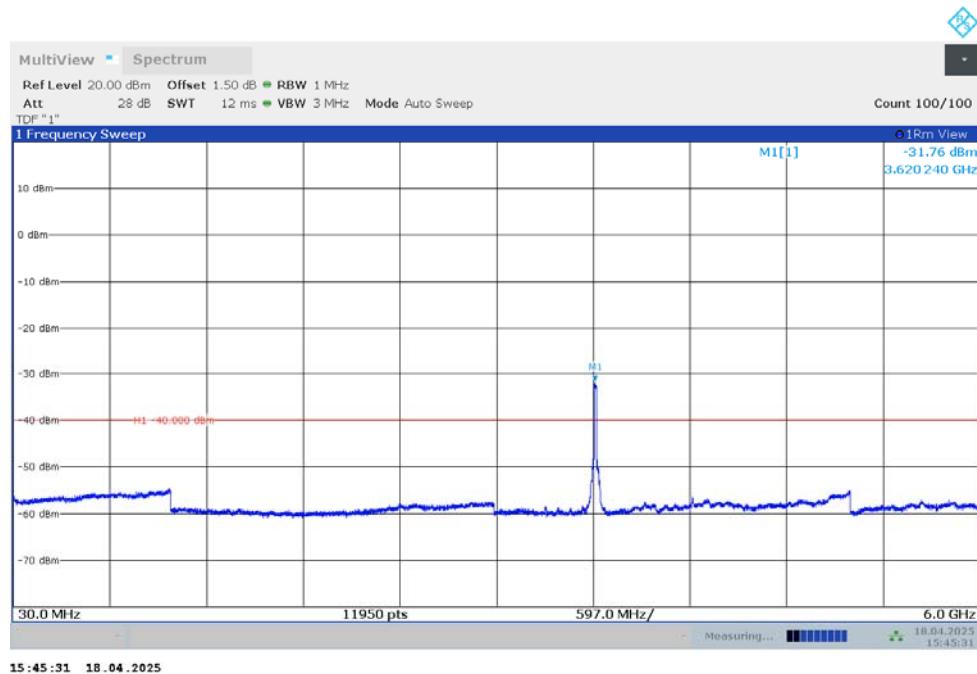
n41

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



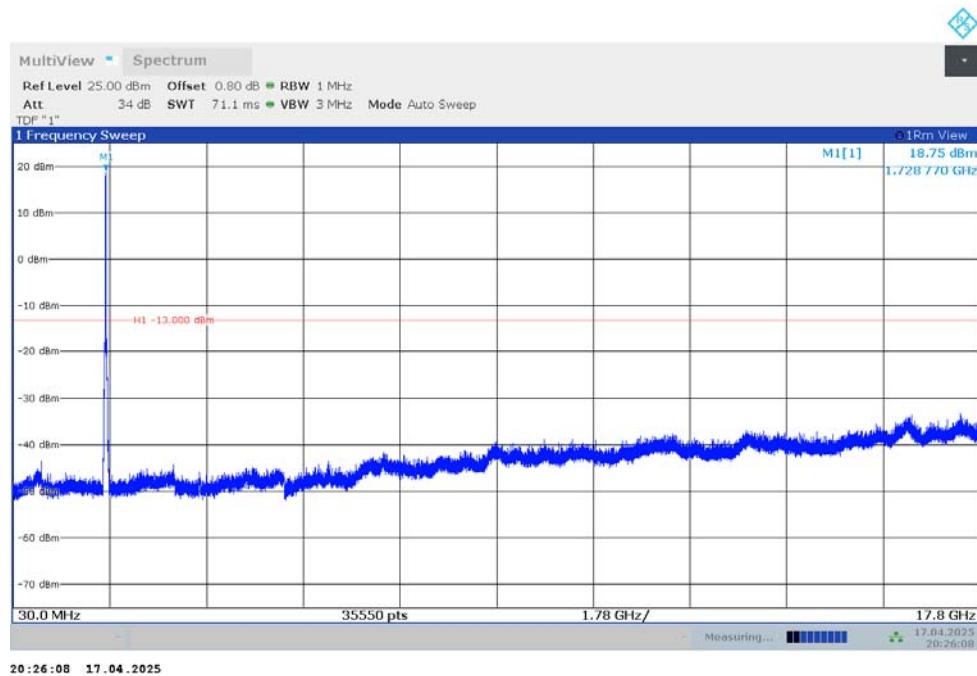
n48

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



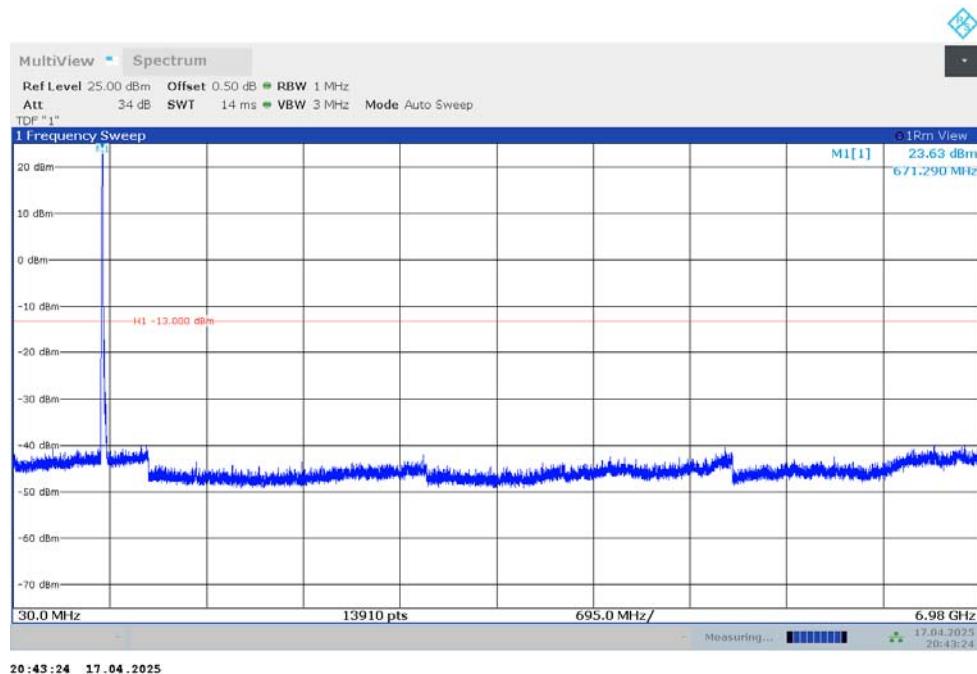
**n66**

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



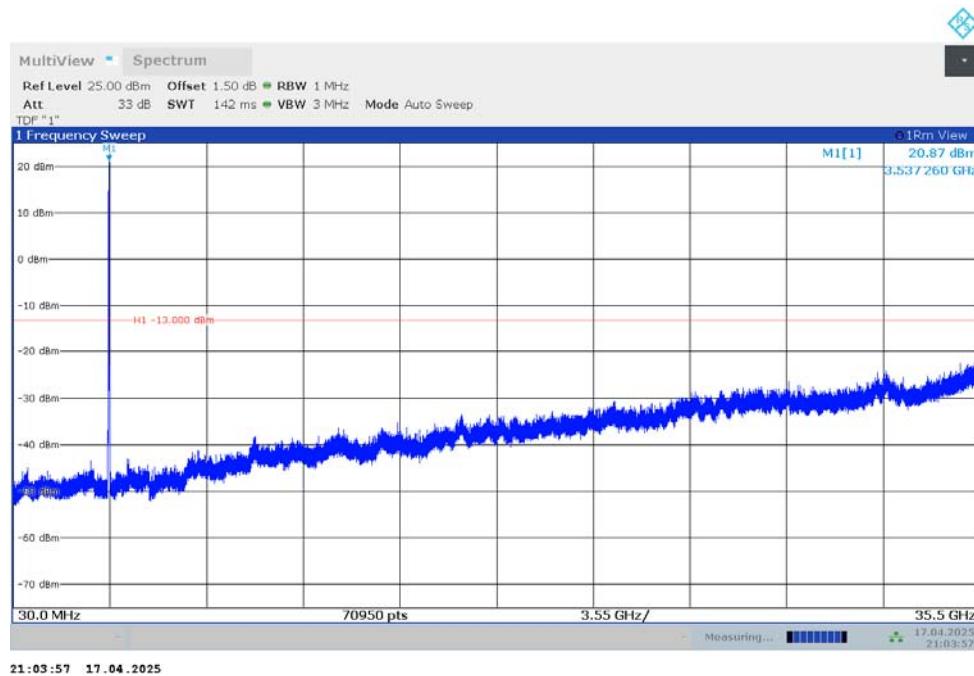
**n71**

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



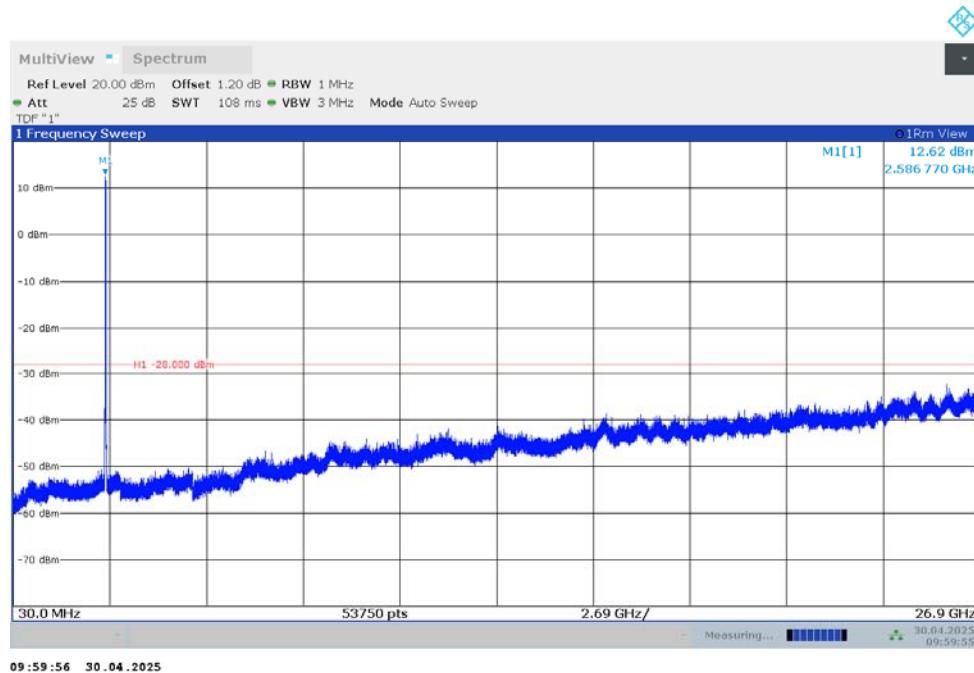
## n78L

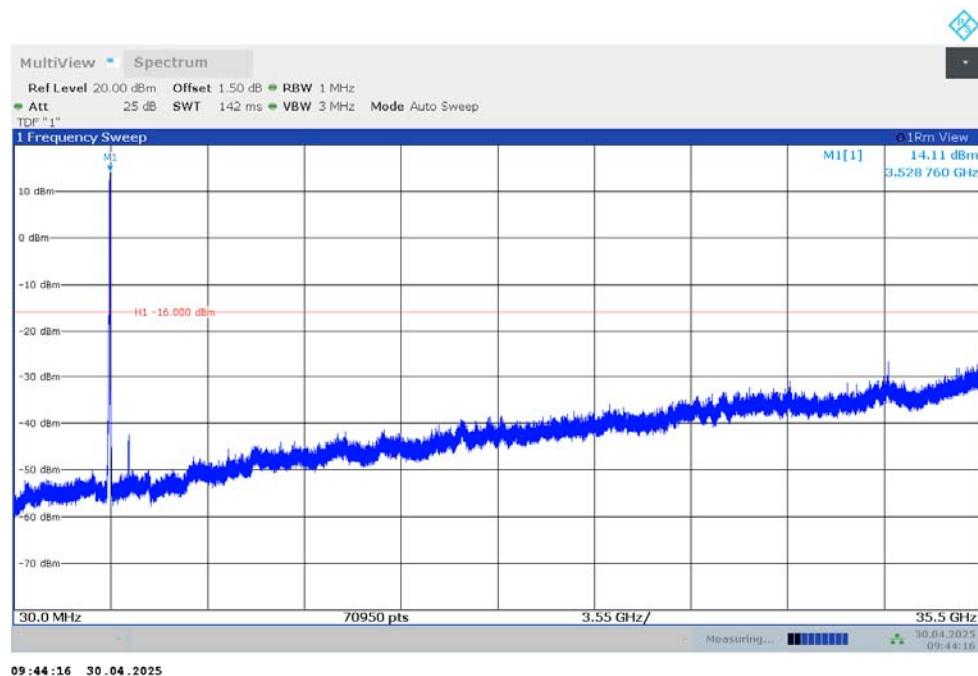
**NOTE: peak above the limit line is the carrier frequency.**



## n41-MIMO

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



**n78L-MIMO**
**NOTE: peak above the limit line is the carrier frequency.**


### A.8 Peak-to-Average Power Ratio

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

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

#### **Measurement results**

**n7,40MHz**

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
2535	4.09	4.96	5.80	6.12	6.61	6.70	6.71	7.14	8.48

**n25,40MHz**

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	4.14	5.17	6.06	6.42	6.86	7.01	7.03	7.44	8.83

**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	4.31	5.66	6.52	6.57	6.80	7.67	7.63	7.40	8.47

**n48,40MHz**

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
3624.99	3.96	5.06	6.31	6.28	6.81	7.05	7.05	7.48	8.73

**n66,40MHz**

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	4.42	5.35	6.18	6.57	7.11	7.47	7.49	7.90	9.09

**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	3.74	4.62	5.63	5.81	6.40	6.81	6.85	6.89	8.37

**n78L,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	4.83	5.73	6.21	6.30	6.62	7.54	6.79	7.28	8.31

**n41-MIMO,100MHz**

Frequency (MHz)	PAPR (dB)			
	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
2592.99	7.64	8.00	7.55	8.51

**n78L-MIMO,100MHz**

Frequency (MHz)	PAPR (dB)			
	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
3500.01	7.49	7.99	7.87	8.93

## 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 23<sup>rd</sup> day of July 2024.



Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 7049.01  
Valid to July 31, 2026

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

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