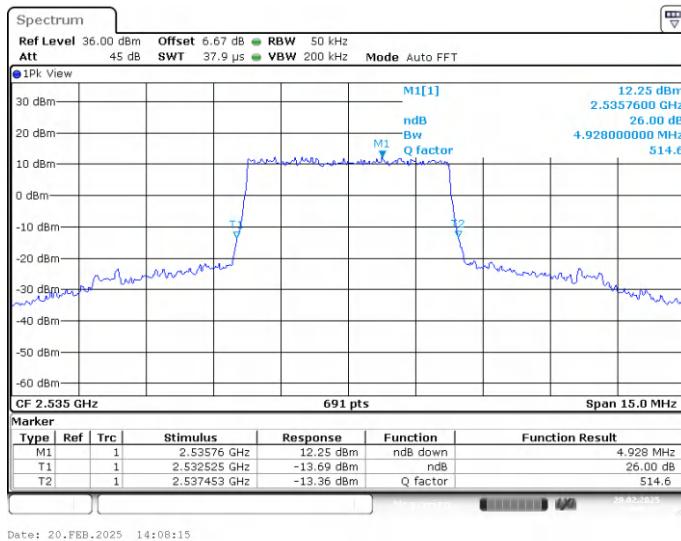
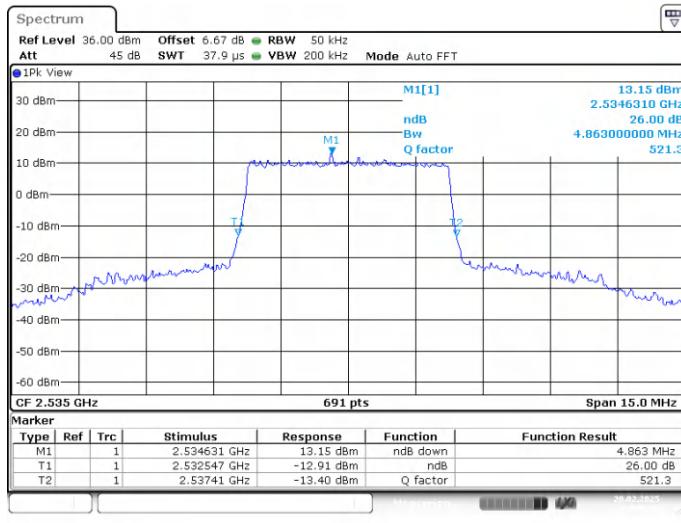


**LTE band 7,5MHz(-26dBc)**

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
2535	4.928	4.863

**LTE band 7 , 5MHz Bandwidth,MID,QPSK (-26dBc BW)**


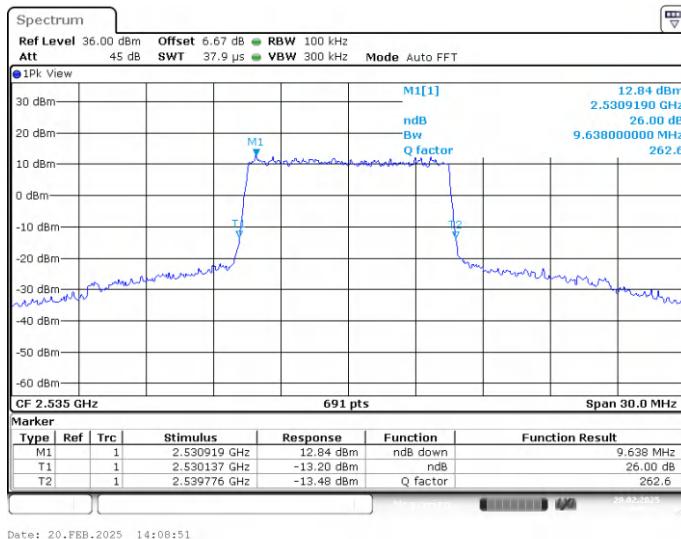
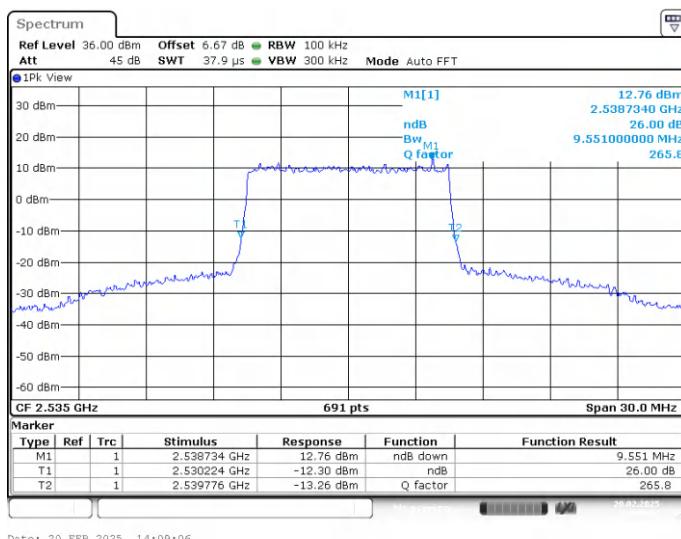
Date: 20.FEB.2025 14:08:15

**LTE band 7 , 5MHz Bandwidth,MID,16QAM (-26dBc BW)**


Date: 20.FEB.2025 14:08:31

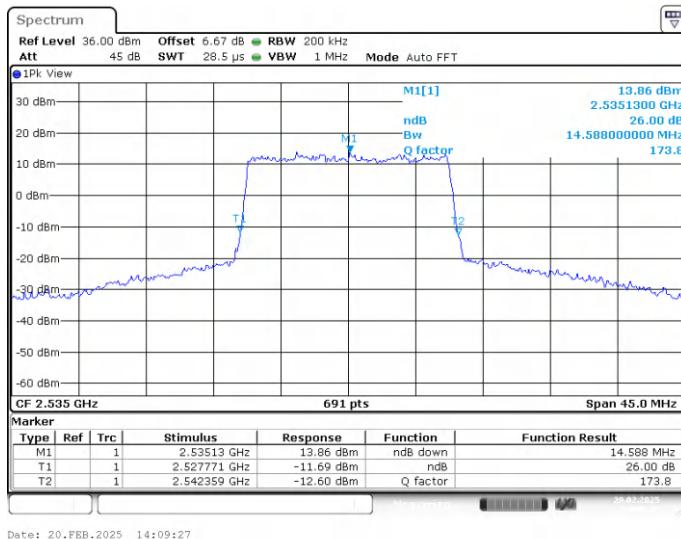
**LTE band 7,10MHz(-26dBc)**

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
2535	9.638	9.551

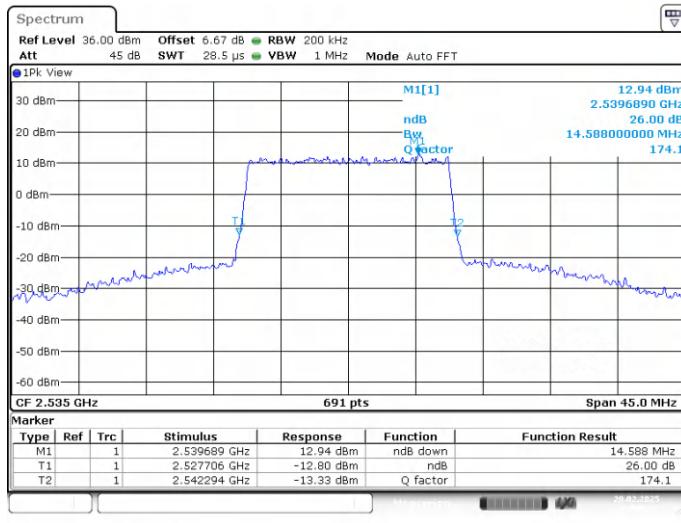
**LTE band 7 , 10MHz Bandwidth,MID,QPSK (-26dBc BW)**

**LTE band 7 , 10MHz Bandwidth,MID,16QAM (-26dBc BW)**


**LTE band 7,15MHz(-26dBc)**

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
2535	14.588	14.588

**LTE band 7 , 15MHz Bandwidth,MID,QPSK (-26dBc BW)**


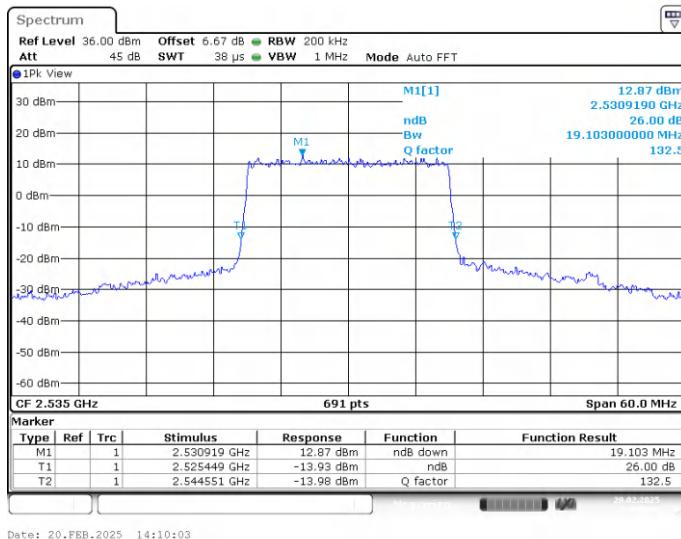
Date: 20.FEB.2025 14:09:27

**LTE band 7 , 15MHz Bandwidth,MID,16QAM (-26dBc BW)**


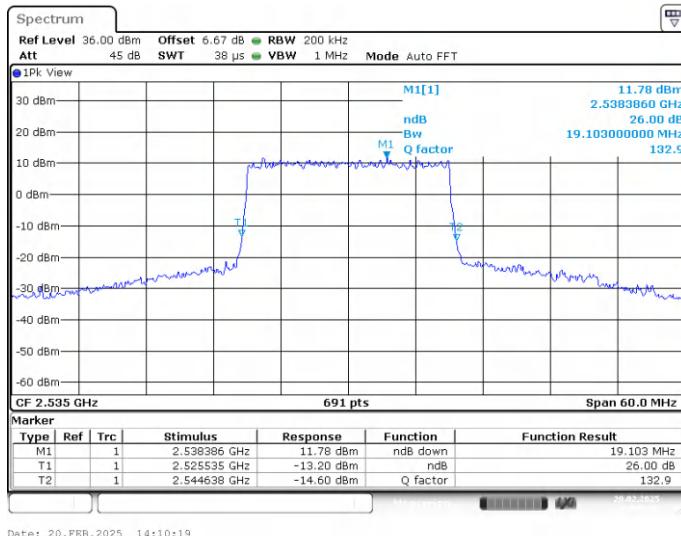
Date: 20.FEB.2025 14:09:42

**LTE band 7,20MHz(-26dBc)**

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
2535	19.103	19.103

**LTE band 7 , 20MHz Bandwidth,MID,QPSK (-26dBc BW)**


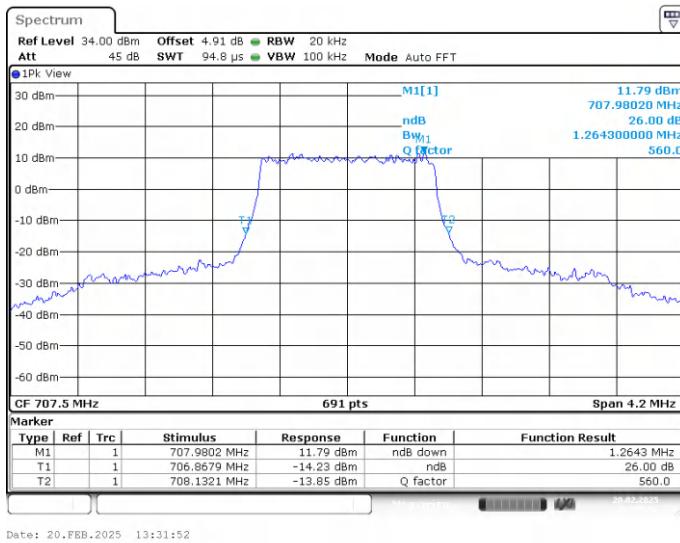
Date: 20.FEB.2025 14:10:03

**LTE band 7 , 20MHz Bandwidth,MID,16QAM (-26dBc BW)**


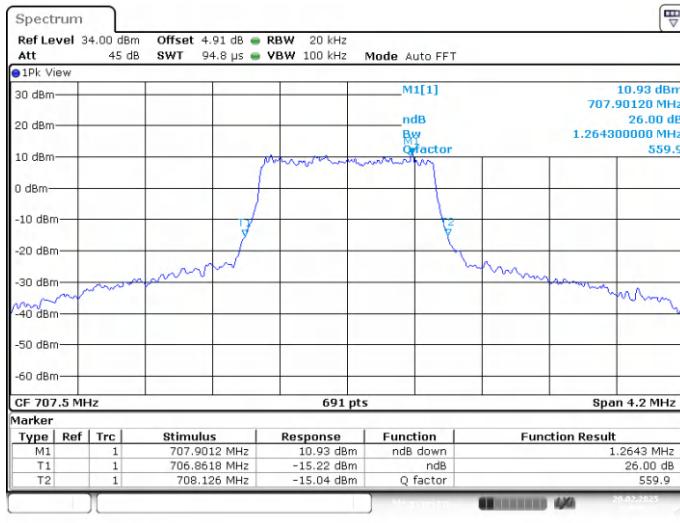
Date: 20.FEB.2025 14:10:19

**LTE band 12,1.4MHz(-26dBc)**

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
707.5	1.264	1.264

**LTE band 12 , 1.4MHz Bandwidth,MID,QPSK (-26dBc BW)**


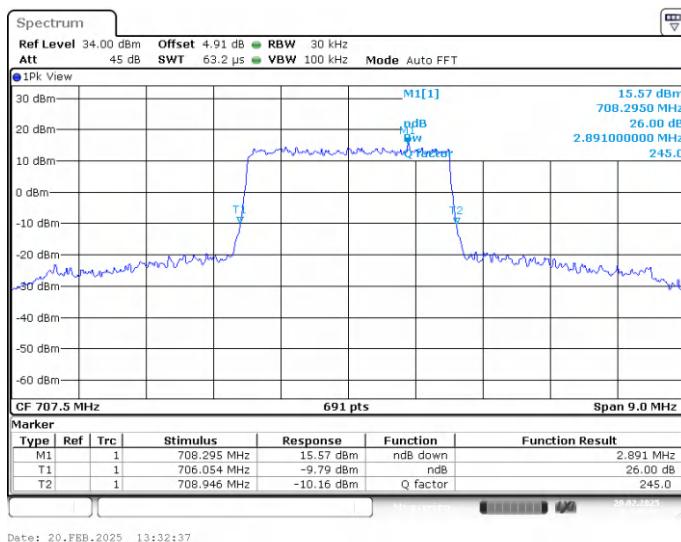
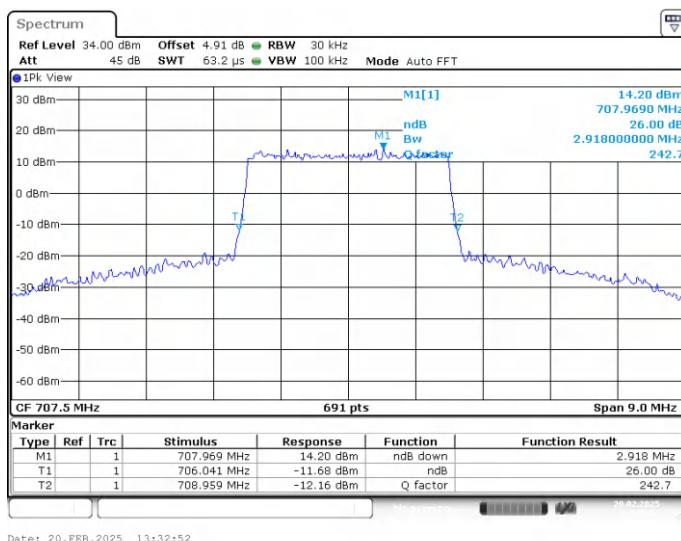
Date: 20.FEB.2025 13:31:52

**LTE band 12 , 1.4MHz Bandwidth,MID,16QAM (-26dBc BW)**


Date: 20.FEB.2025 14:00:16

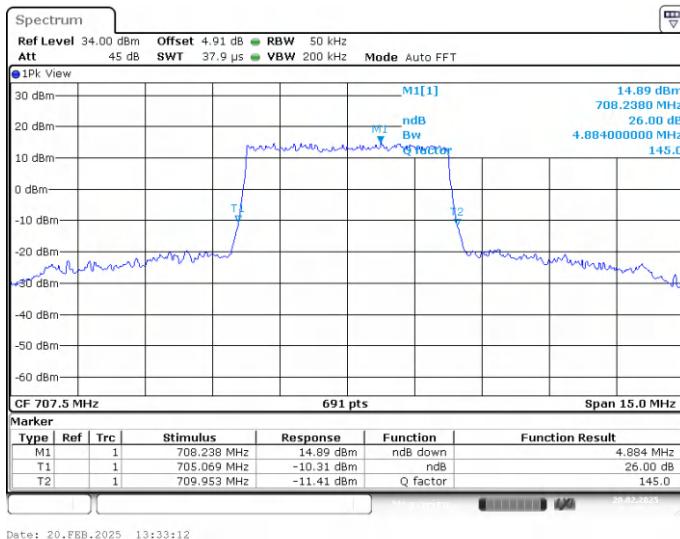
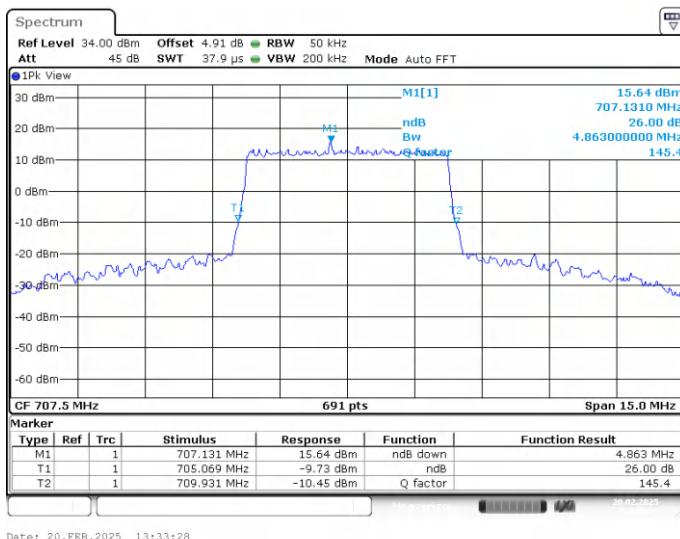
**LTE band 12,3MHz(-26dBc)**

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
707.5	2.891	2.918

**LTE band 12 , 3MHz Bandwidth,MID,QPSK (-26dBc BW)**

**LTE band 12 , 3MHz Bandwidth,MID,16QAM (-26dBc BW)**


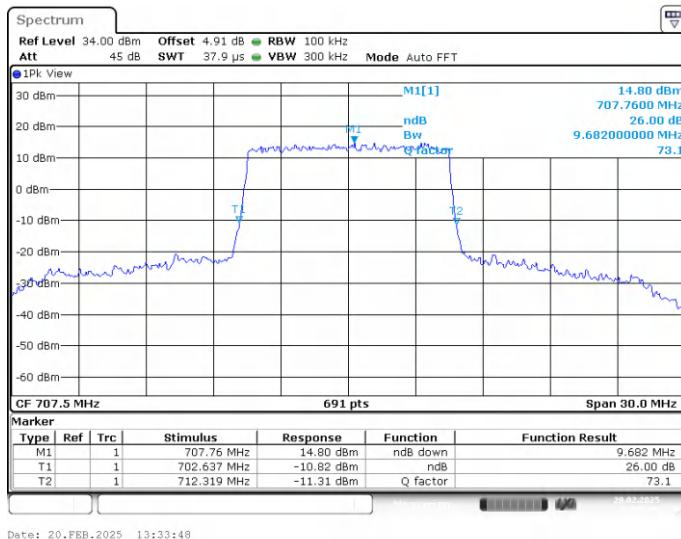
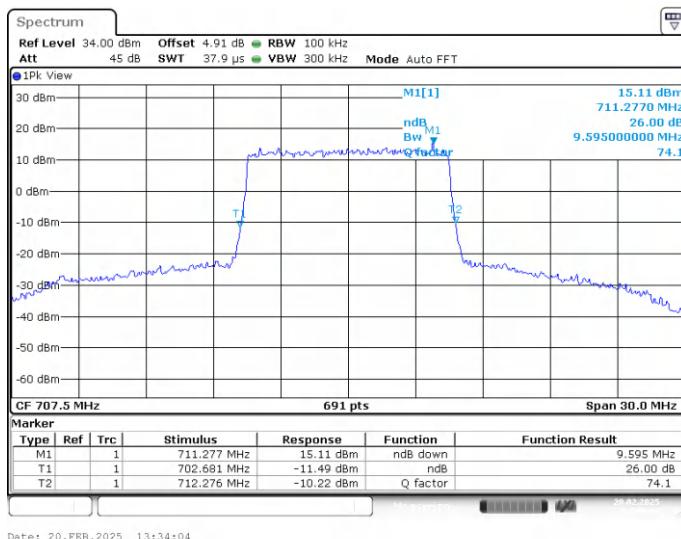
**LTE band 12,5MHz(-26dBc)**

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
707.5	4.884	4.863

**LTE band 12 , 5MHz Bandwidth,MID,QPSK (-26dBc BW)**

**LTE band 12 , 5MHz Bandwidth,MID,16QAM (-26dBc BW)**


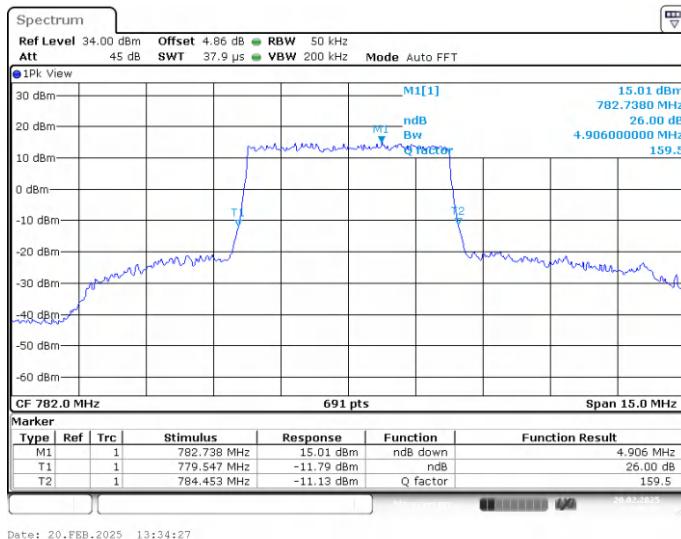
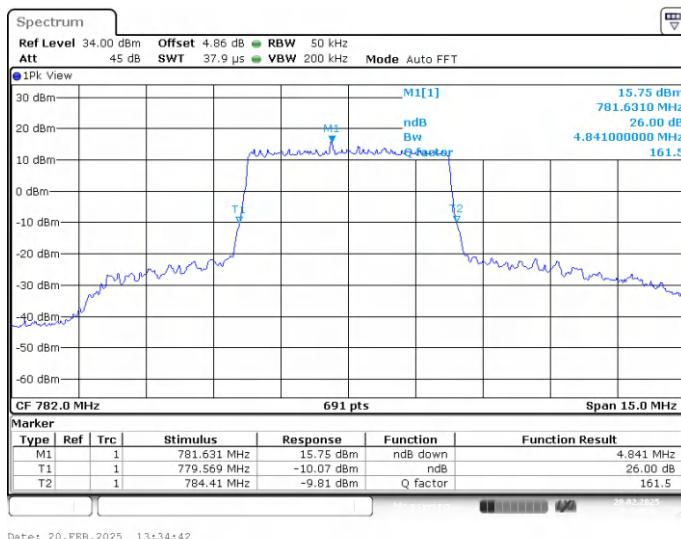
**LTE band 12,10MHz(-26dBc)**

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
707.5	9.682	9.595

**LTE band 12 , 10MHz Bandwidth,MID,QPSK (-26dBc BW)**

**LTE band 12 , 10MHz Bandwidth,MID,16QAM (-26dBc BW)**


**LTE band 13,5MHz(-26dBc)**

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
782	4.906	4.841

**LTE band 13 , 5MHz Bandwidth,MID,QPSK (-26dBc BW)**

**LTE band 13 , 5MHz Bandwidth,MID,16QAM (-26dBc BW)**


**LTE band 13,10MHz(-26dBc)**

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
782	9.638	9.508

**LTE band 13 , 10MHz Bandwidth,MID,QPSK (-26dBc BW)**

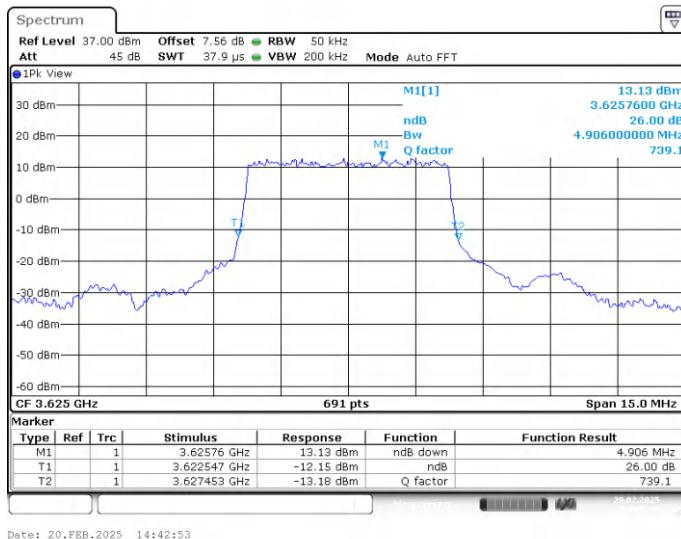
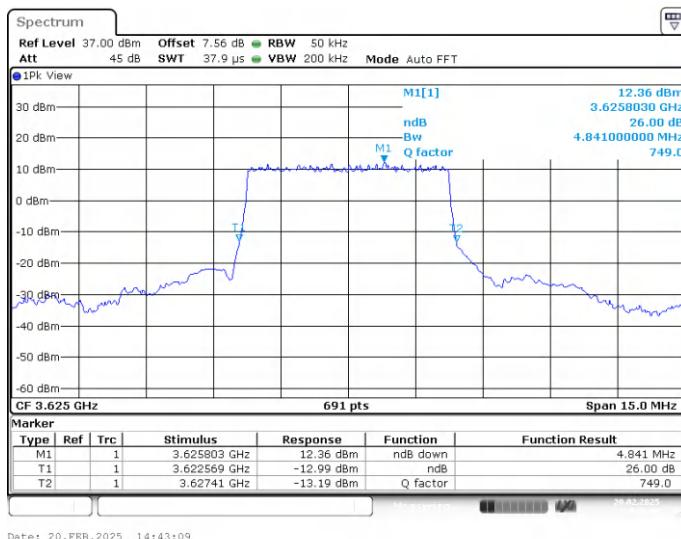

Date: 20.FEB.2025 13:35:02

**LTE band 13 , 10MHz Bandwidth,MID,16QAM (-26dBc BW)**


Date: 20.FEB.2025 13:35:18

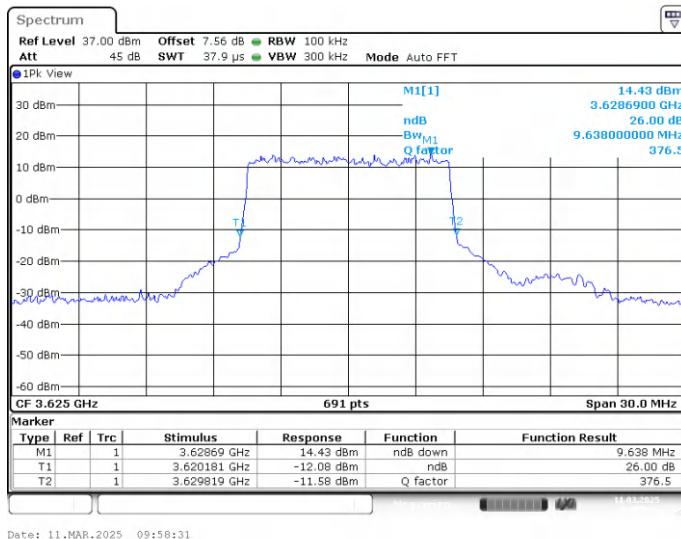
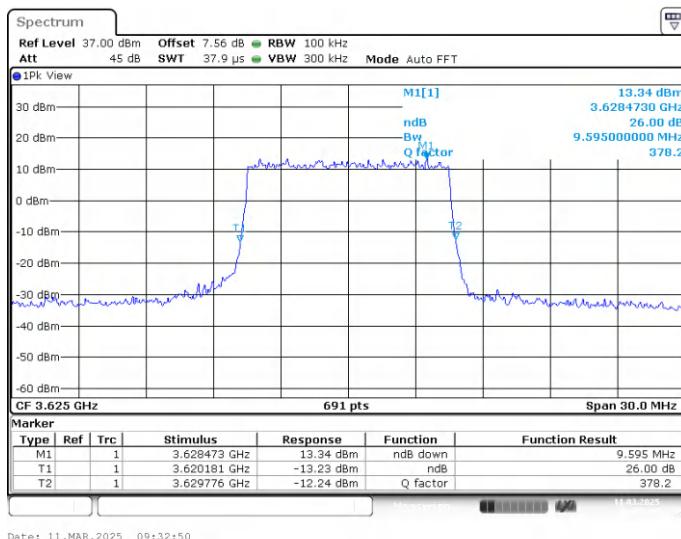
**LTE band 48,5MHz(-26dBc)**

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
3625	4.906	4.841

**LTE band 48 , 5MHz Bandwidth,MID,QPSK (-26dBc BW)**

**LTE band 48 , 5MHz Bandwidth,MID,16QAM (-26dBc BW)**


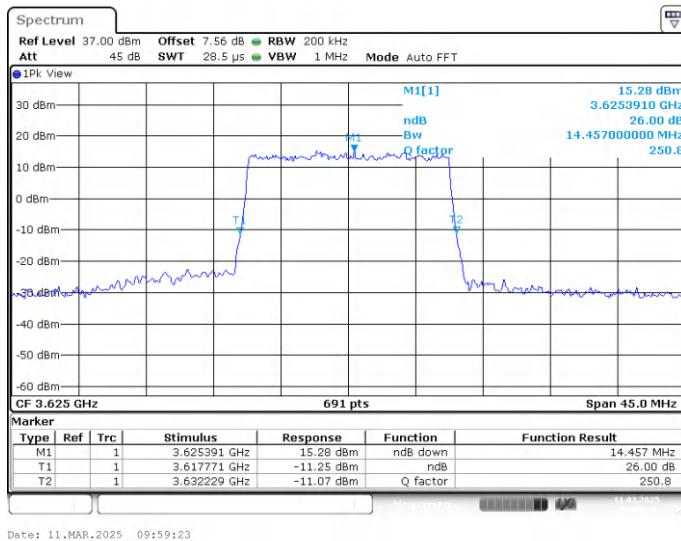
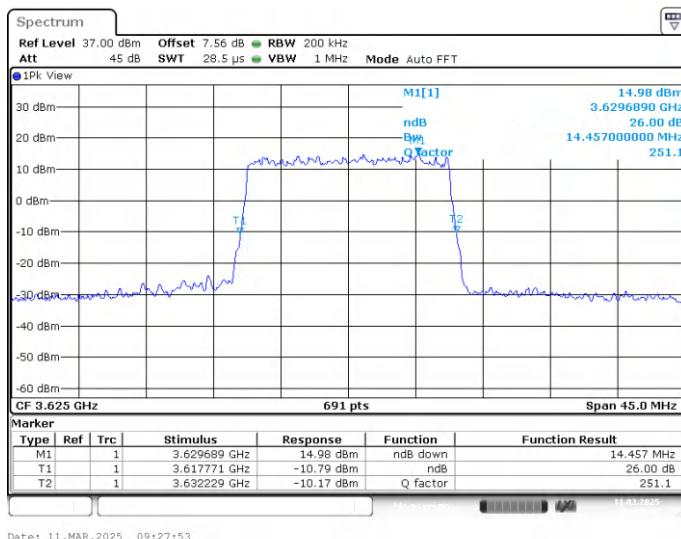
**LTE band 48,10MHz(-26dBc)**

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
3625	9.638	9.595

**LTE band 48 , 10MHz Bandwidth,MID,QPSK (-26dBc BW)**

**LTE band 48 , 10MHz Bandwidth,MID,16QAM (-26dBc BW)**


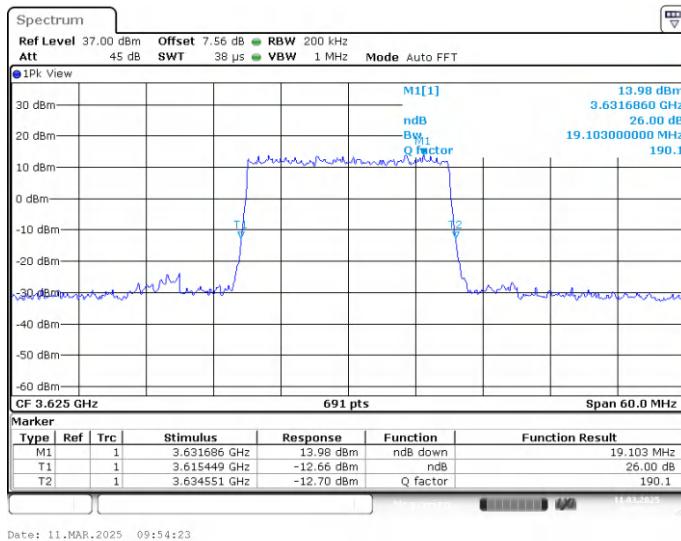
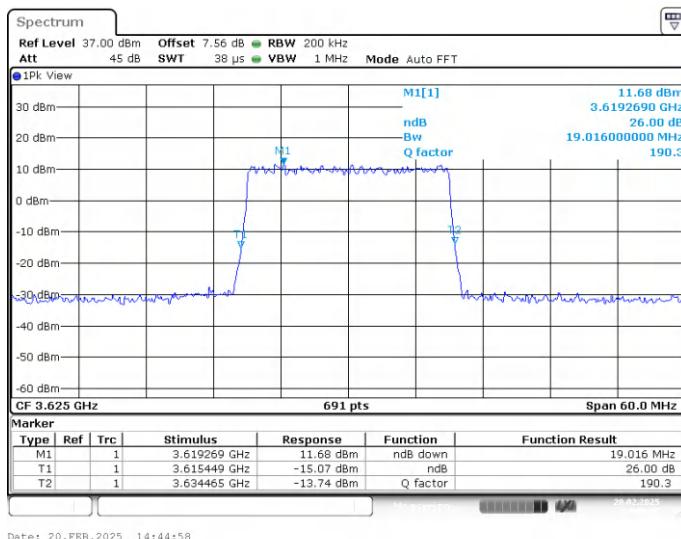
**LTE band 48,15MHz(-26dBc)**

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
3625	14.457	14.457

**LTE band 48 , 15MHz Bandwidth,MID,QPSK (-26dBc BW)**

**LTE band 48 , 15MHz Bandwidth,MID,16QAM (-26dBc BW)**


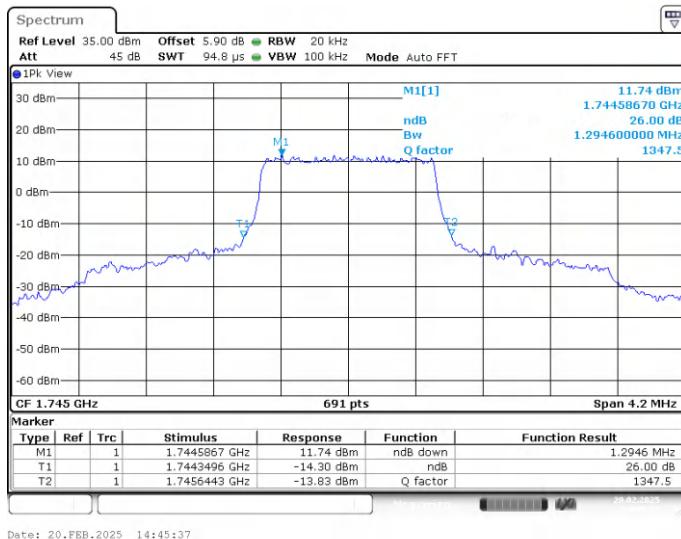
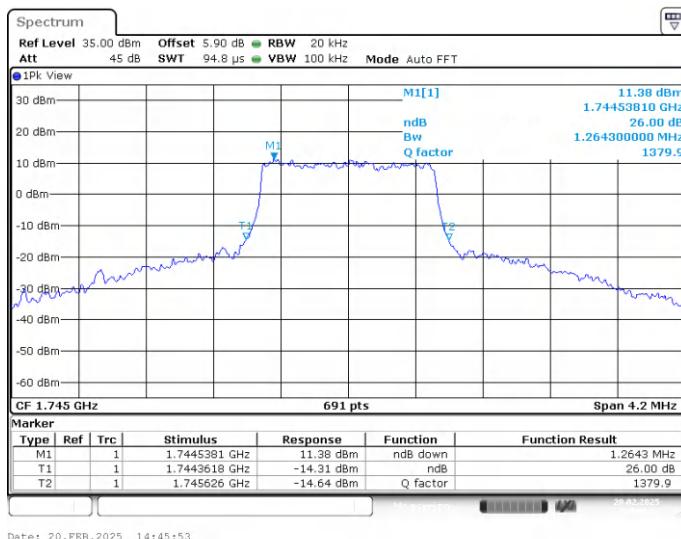
**LTE band 48,20MHz(-26dBc)**

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
3625	19.103	19.016

**LTE band 48 , 20MHz Bandwidth,MID,QPSK (-26dBc BW)**

**LTE band 48 , 20MHz Bandwidth,MID,16QAM (-26dBc BW)**


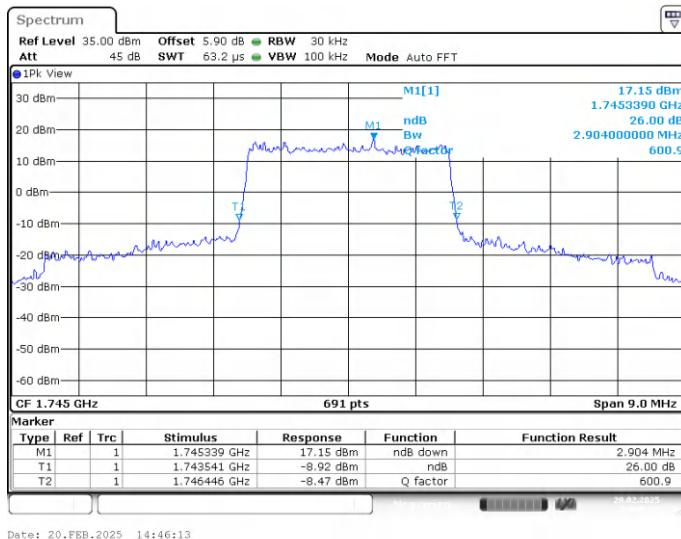
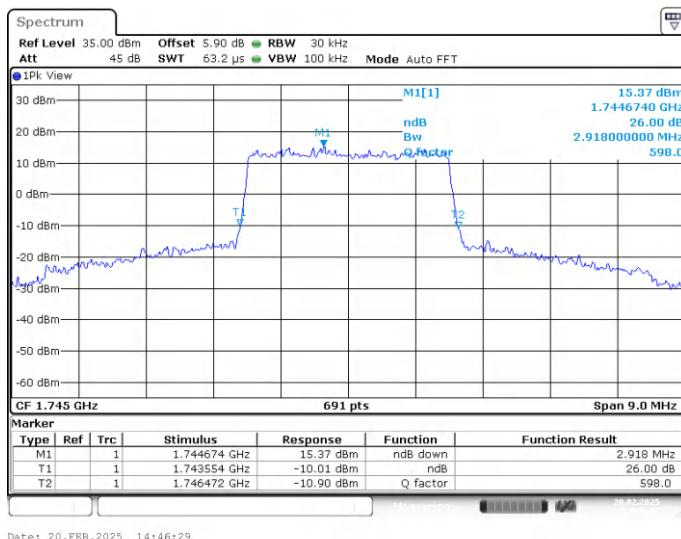
**LTE band 66,1.4MHz(-26dBc)**

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1745	1.295	1.264

**LTE band 66 , 1.4MHz Bandwidth,MID,QPSK (-26dBc BW)**

**LTE band 66 , 1.4MHz Bandwidth,MID,16QAM (-26dBc BW)**


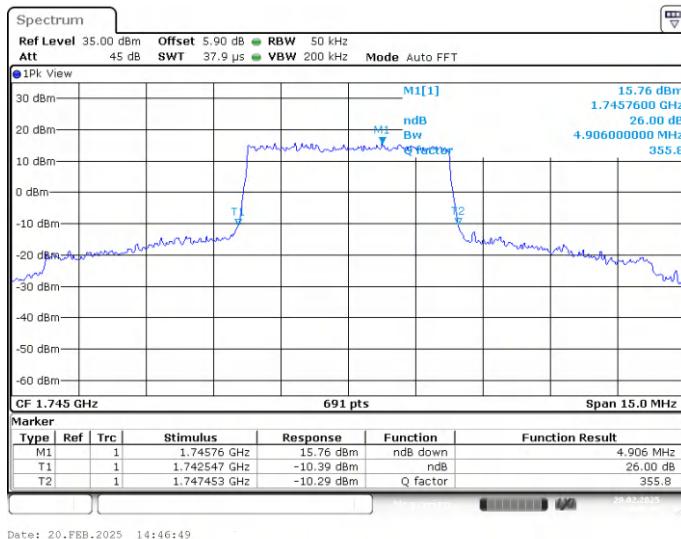
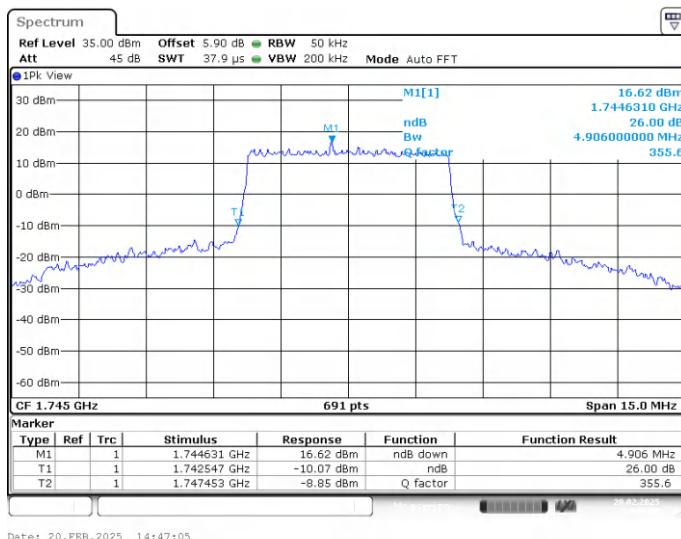
**LTE band 66,3MHz(-26dBc)**

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1745	2.904	2.918

**LTE band 66 , 3MHz Bandwidth,MID,QPSK (-26dBc BW)**

**LTE band 66 , 3MHz Bandwidth,MID,16QAM (-26dBc BW)**


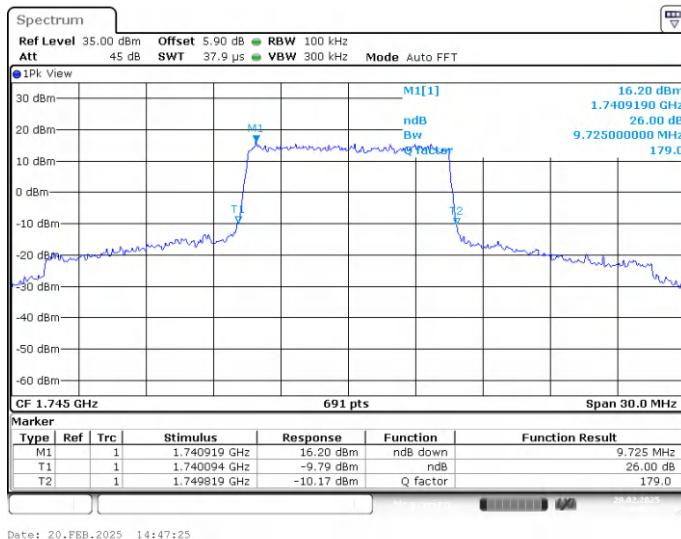
**LTE band 66,5MHz(-26dBc)**

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1745	4.906	4.906

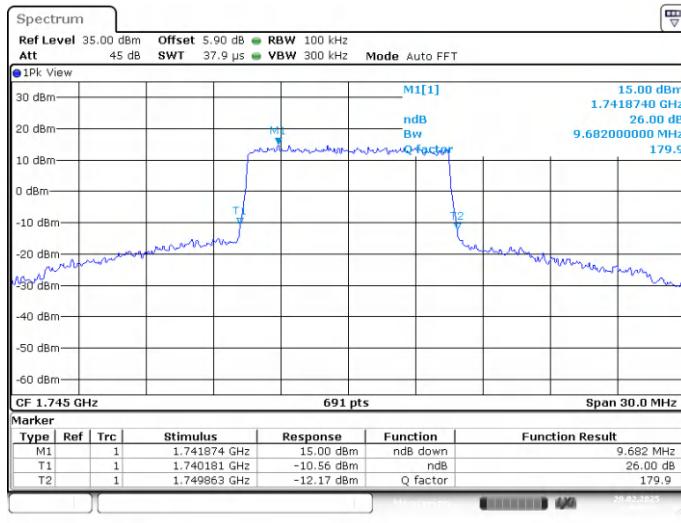
**LTE band 66 , 5MHz Bandwidth,MID,QPSK (-26dBc BW)**

**LTE band 66 , 5MHz Bandwidth,MID,16QAM (-26dBc BW)**


**LTE band 66,10MHz(-26dBc)**

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1745	9.725	9.682

**LTE band 66 , 10MHz Bandwidth,MID,QPSK (-26dBc BW)**


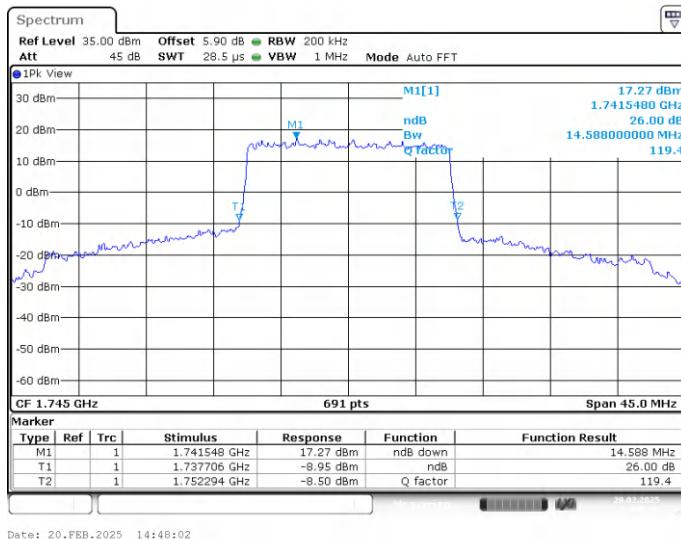
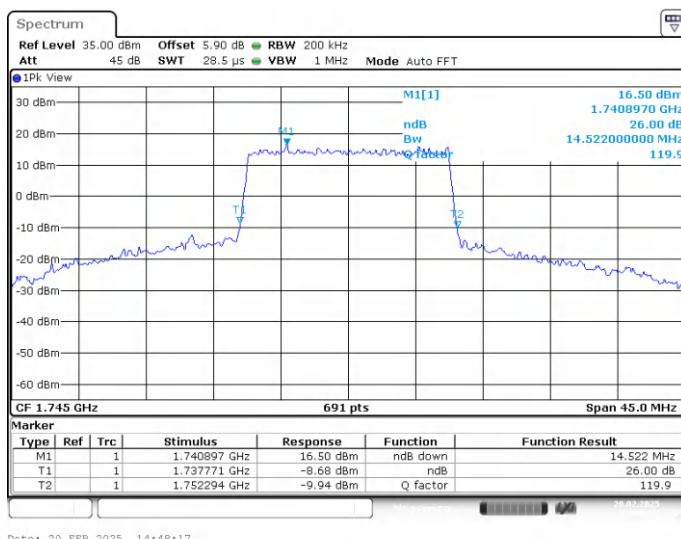
Date: 20.FEB.2025 14:47:25

**LTE band 66 , 10MHz Bandwidth,MID,16QAM (-26dBc BW)**


Date: 20.FEB.2025 14:47:41

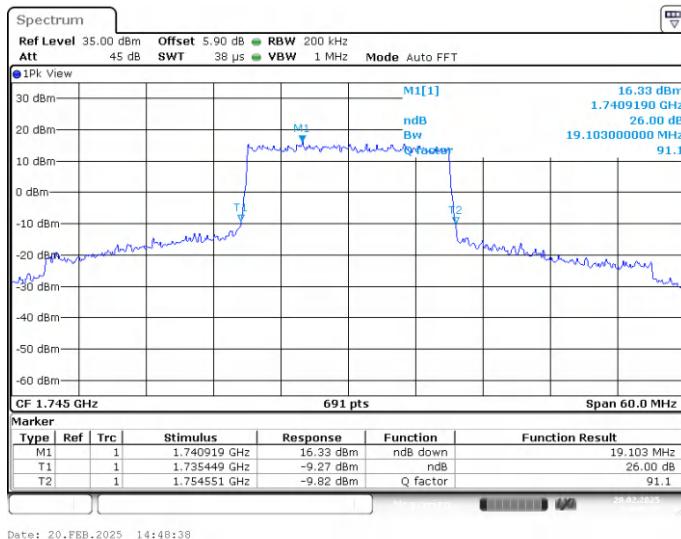
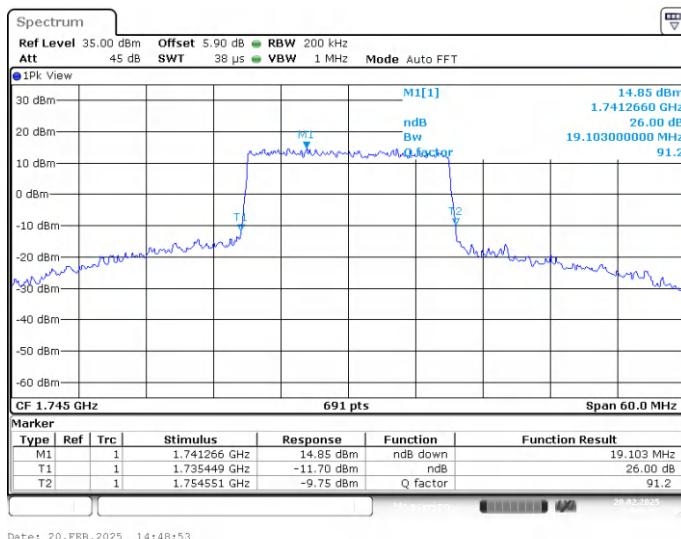
**LTE band 66,15MHz(-26dBc)**

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1745	14.588	14.522

**LTE band 66 , 15MHz Bandwidth,MID,QPSK (-26dBc BW)**

**LTE band 66 , 15MHz Bandwidth,MID,16QAM (-26dBc BW)**


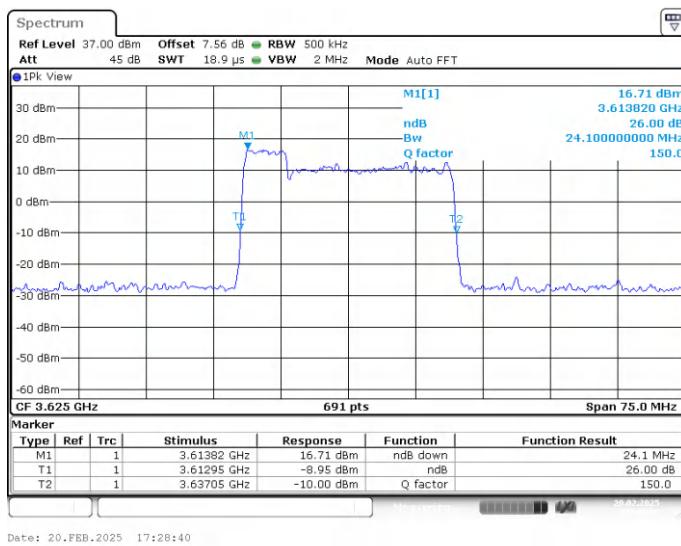
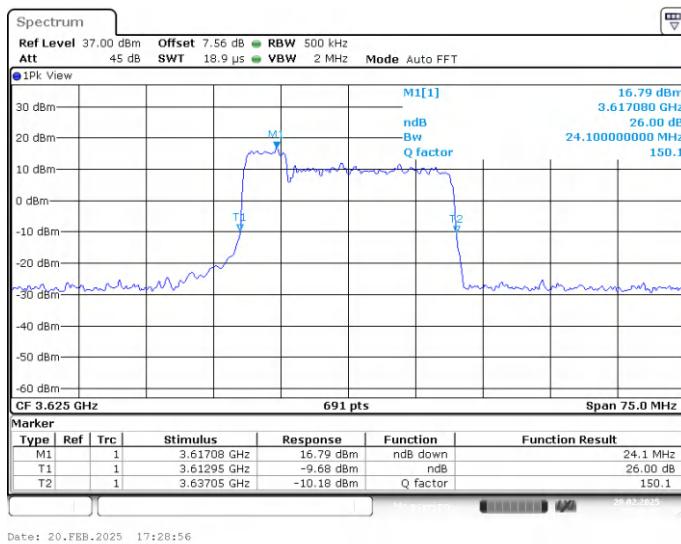
**LTE band 66,20MHz(-26dBc)**

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1745	19.103	19.103

**LTE band 66 , 20MHz Bandwidth,MID,QPSK (-26dBc BW)**

**LTE band 66 , 20MHz Bandwidth,MID,16QAM (-26dBc BW)**


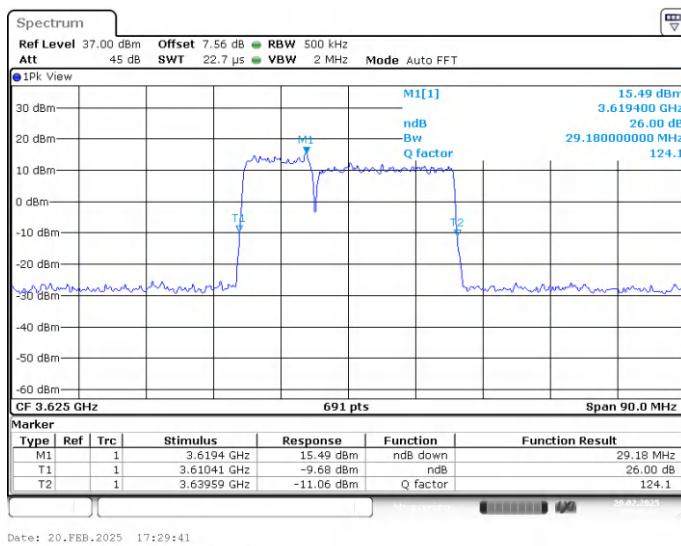
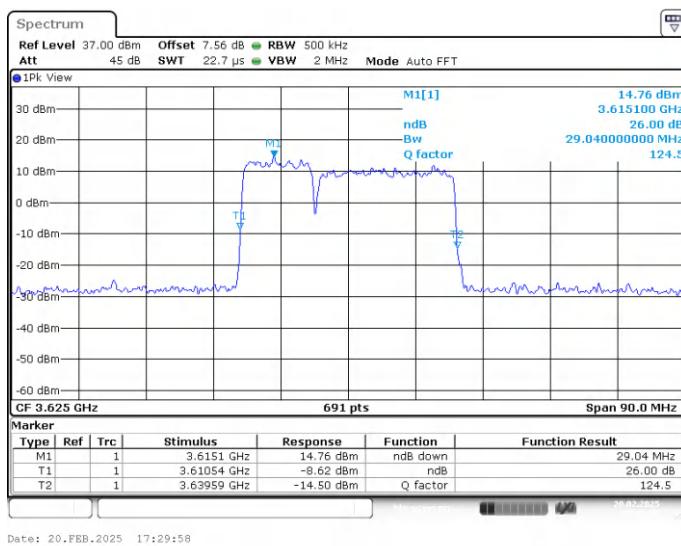
**LTE CA band 48C, 5MHz+20MHz(-26dBc)**

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
3625.0	24.100	24.100

**LTE CA band 48C , 5MHz+20MHz Bandwidth,QPSK (-26dBc BW)**

**LTE CA band 48C , 5MHz+20MHz Bandwidth,16QAM (-26dBc BW)**


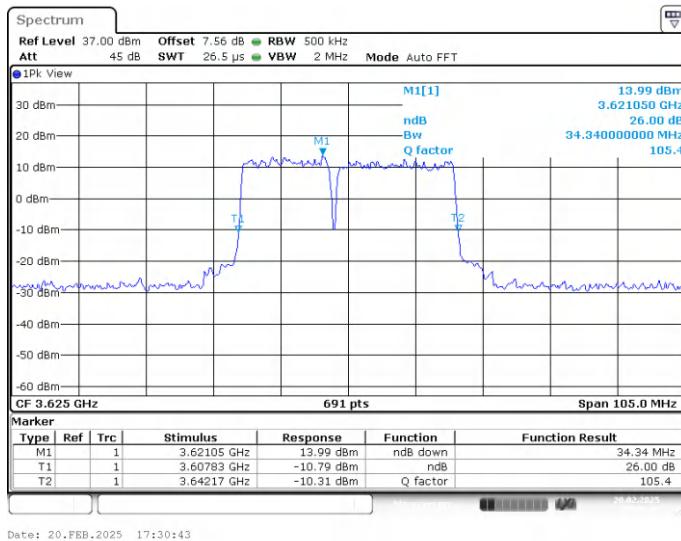
**LTE CA band 48C, 10MHz+20MHz(-26dBc)**

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
3625.0	29.180	29.040

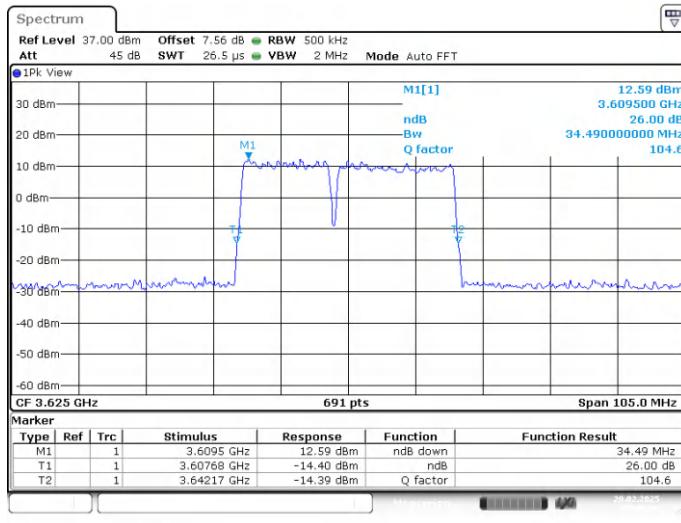
**LTE CA band 48C , 10MHz+20MHz Bandwidth,QPSK (-26dBc BW)**

**LTE CA band 48C , 10MHz+20MHz Bandwidth,16QAM (-26dBc BW)**


**LTE CA band 48C, 15MHz+20MHz(-26dBc)**

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
3625.0	34.340	34.490

**LTE CA band 48C , 15MHz+20MHz Bandwidth,QPSK (-26dBc BW)**


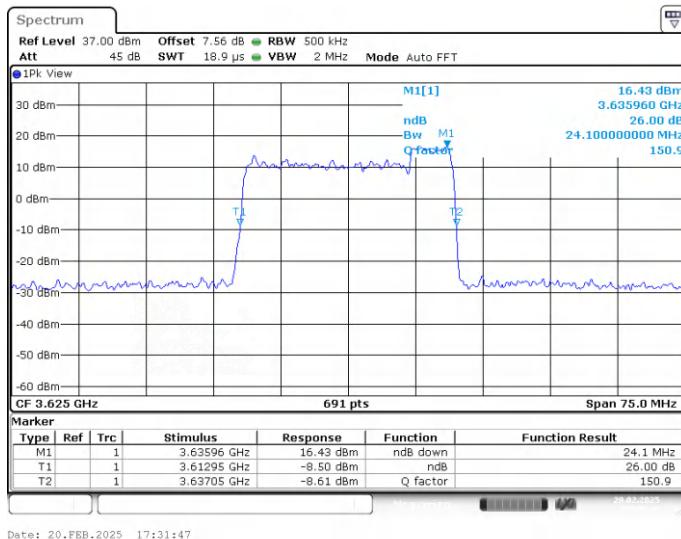
Date: 20.FEB.2025 17:30:43

**LTE CA band 48C , 15MHz+20MHz Bandwidth,16QAM (-26dBc BW)**


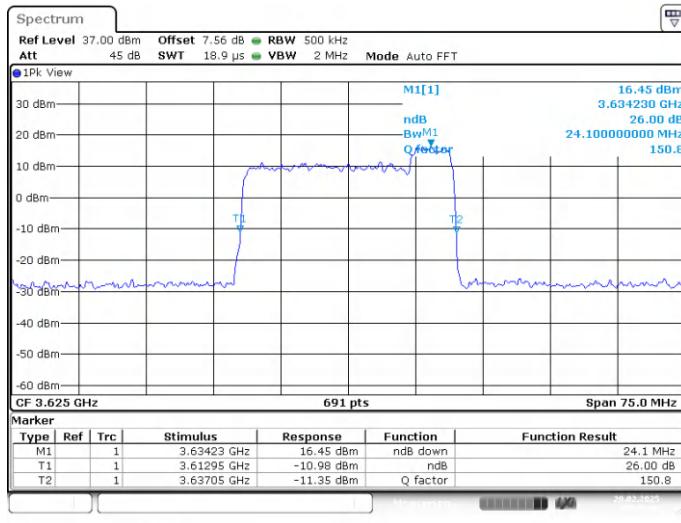
Date: 20.FEB.2025 17:30:59

**LTE CA band 48C, 20MHz+5MHz(-26dBc)**

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
3625.0	24.100	24.100

**LTE CA band 48C , 20MHz+5MHz Bandwidth,QPSK (-26dBc BW)**


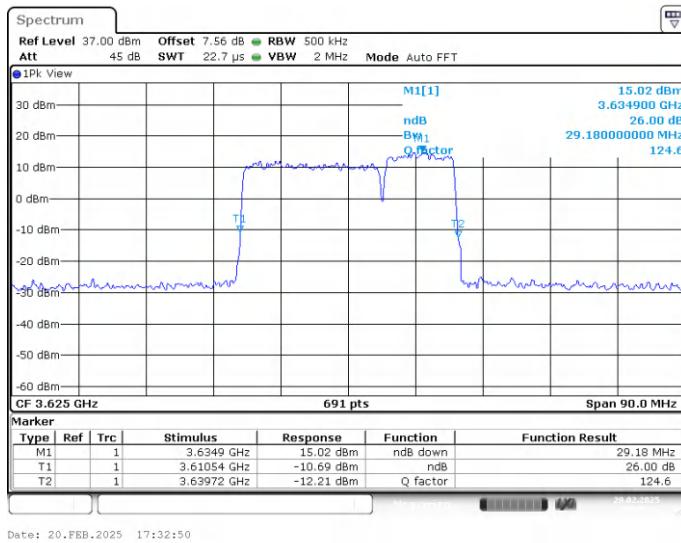
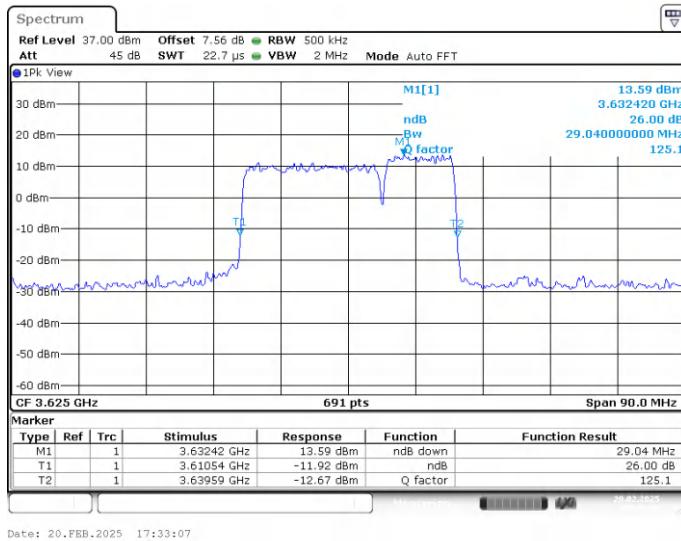
Date: 20.FEB.2025 17:31:47

**LTE CA band 48C , 20MHz+5MHz Bandwidth,16QAM (-26dBc BW)**


Date: 20.FEB.2025 17:32:03

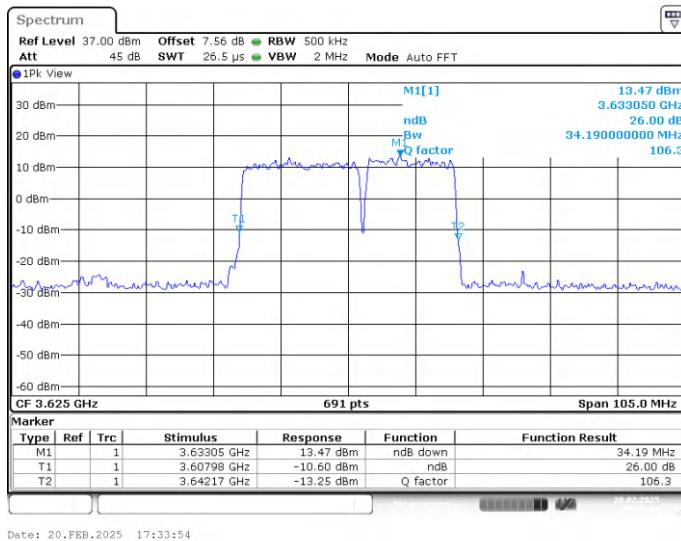
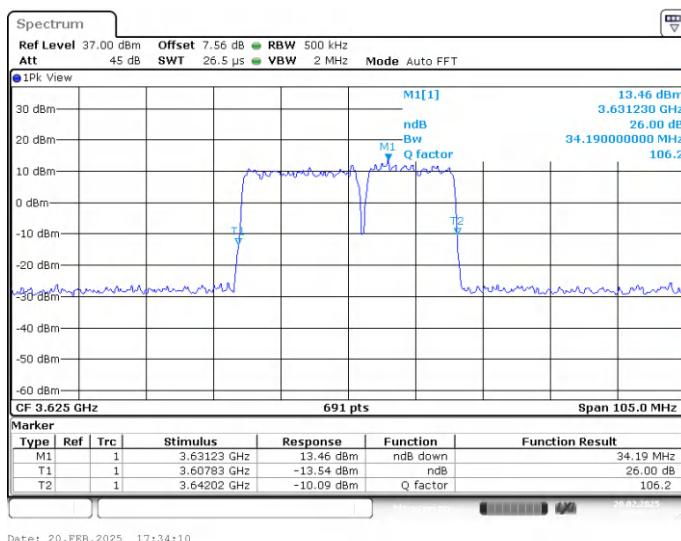
**LTE CA band 48C, 20MHz+10MHz(-26dBc)**

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
3625.0	29.180	29.040

**LTE CA band 48C , 20MHz+10MHz Bandwidth,QPSK (-26dBc BW)**

**LTE CA band 48C , 20MHz+10MHz Bandwidth,16QAM (-26dBc BW)**


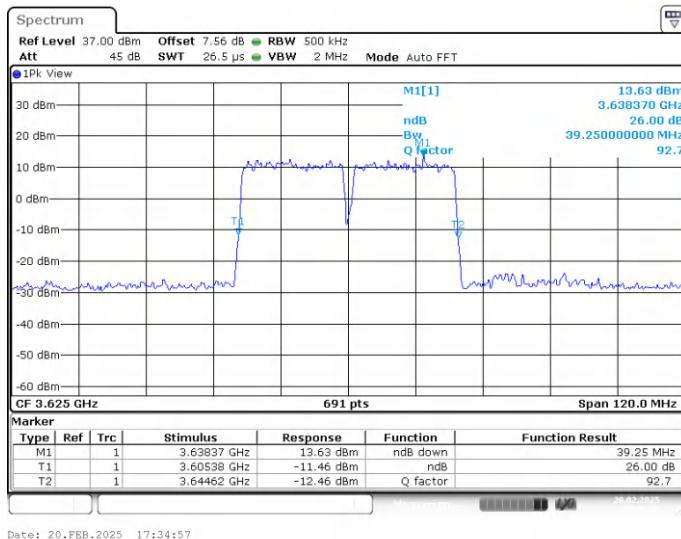
**LTE CA band 48C, 20MHz+15MHz(-26dBc)**

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
3625.0	34.190	34.190

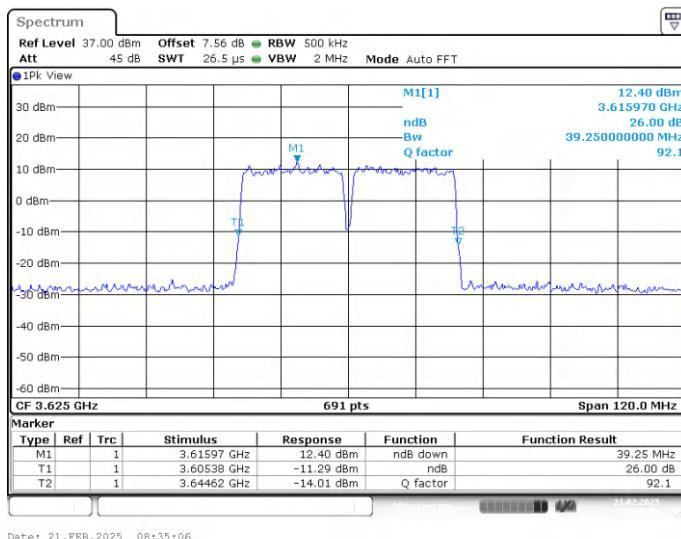
**LTE CA band 48C , 20MHz+15MHz Bandwidth,QPSK (-26dBc BW)**

**LTE CA band 48C , 20MHz+15MHz Bandwidth,16QAM (-26dBc BW)**


**LTE CA band 48C, 20MHz+20MHz(-26dBc)**

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
3625.0	39.250	39.250

**LTE CA band 48C , 20MHz+20MHz Bandwidth,QPSK (-26dBc BW)**


Date: 20.FEB.2025 17:34:57

**LTE CA band 48C , 20MHz+20MHz Bandwidth,16QAM (-26dBc BW)**


Date: 21.FEB.2025 08:35:06

## **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(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(c) states for operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the 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, in accordance with the following:(1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least  $43 + 10 \log(P)$  dB;(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least  $43 + 10 \log(P)$  dB;(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than  $65 + 10 \log(P)$  dB in a 6.25 kHz band segment, for mobile and portable stations.

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

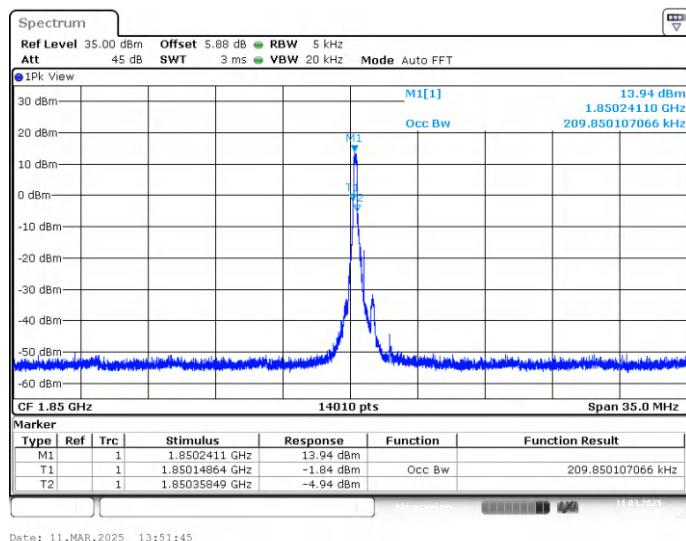
power of emissions below 3540 MHz or above 3710 MHz shall not exceed -25dBm/MHz, and the conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz.

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

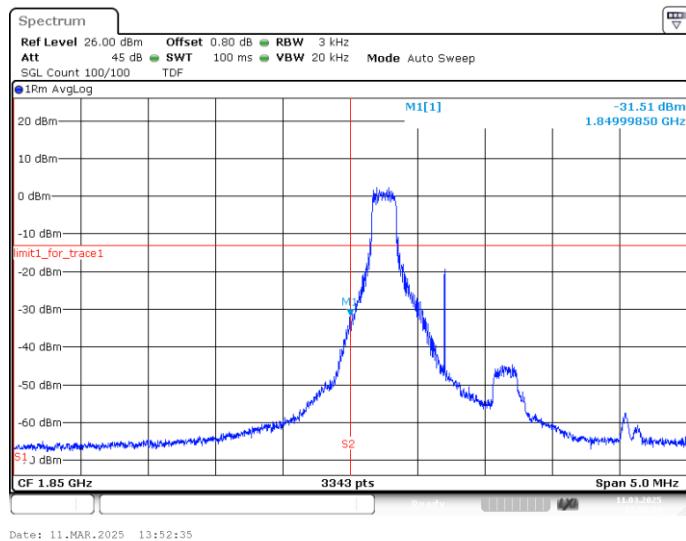
### A.6.2 Measurement result

#### LTE band 2

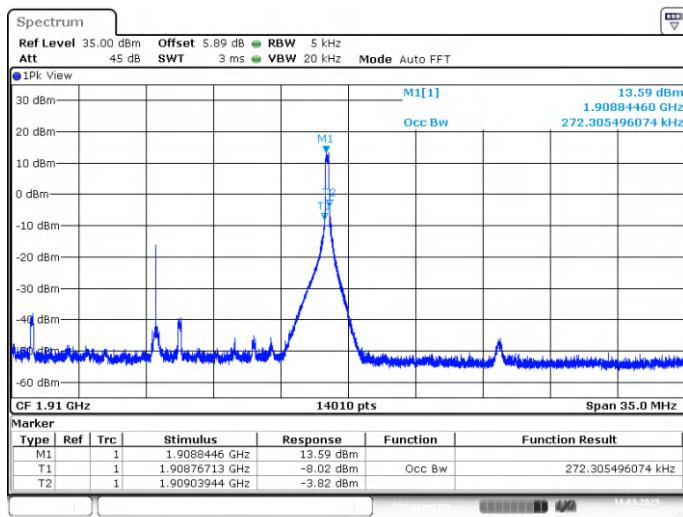
##### OBW: 1RB-LOW\_offset



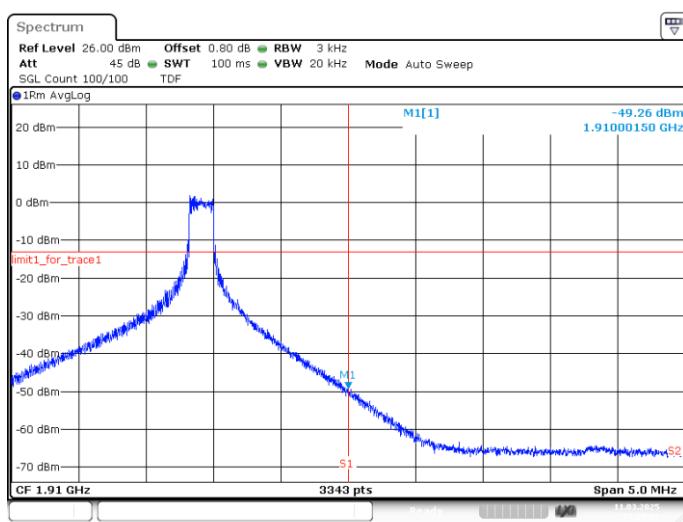
##### LOW BAND EDGE BLOCK-1RB-LOW\_offset



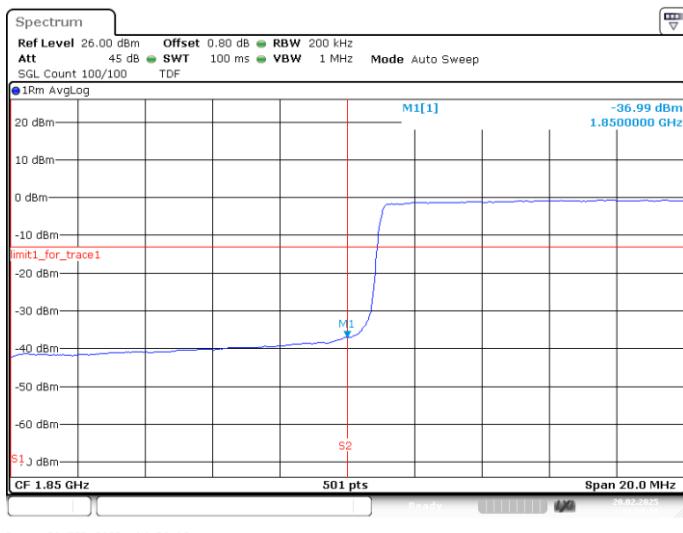
### OBW: 1RB-HIGH\_offset



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

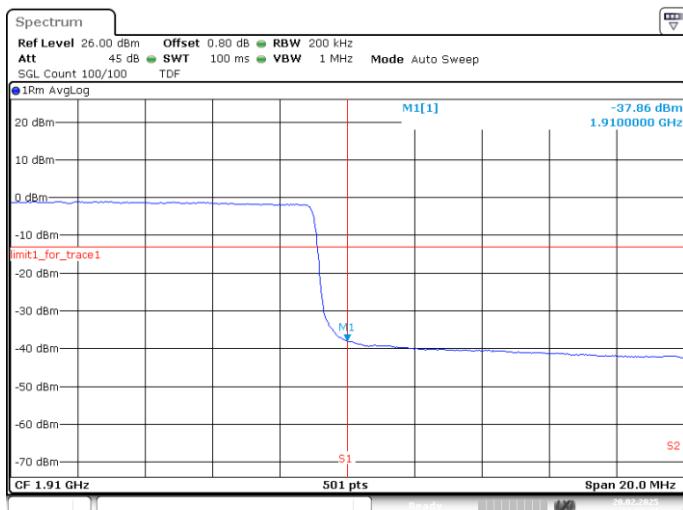


### LOW BAND EDGE BLOCK-20MHz-100%RB



Date: 20.FEB.2025 14:50:19

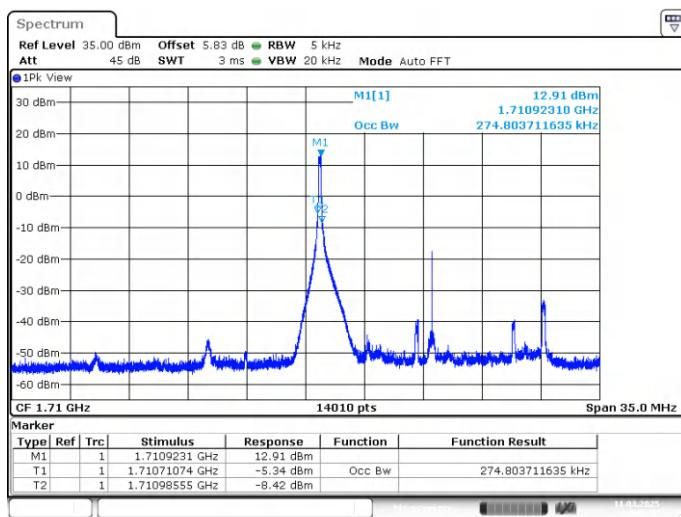
### HIGH BAND EDGE BLOCK-20MHz-100%RB



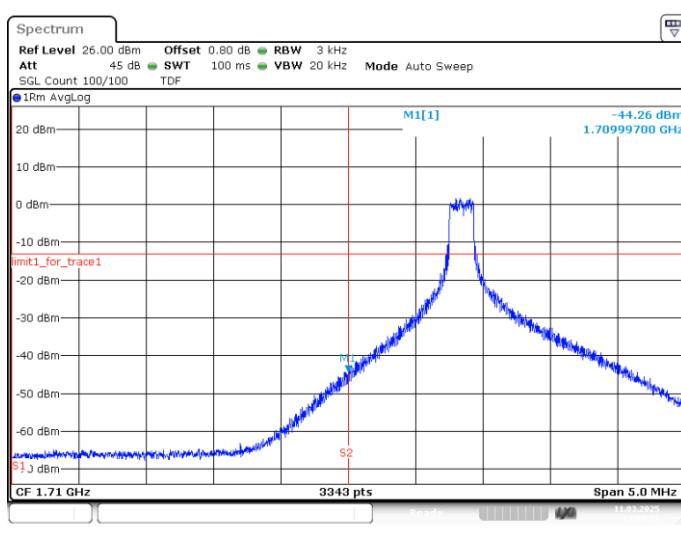
Date: 20.FEB.2025 14:51:15

## LTE band 4

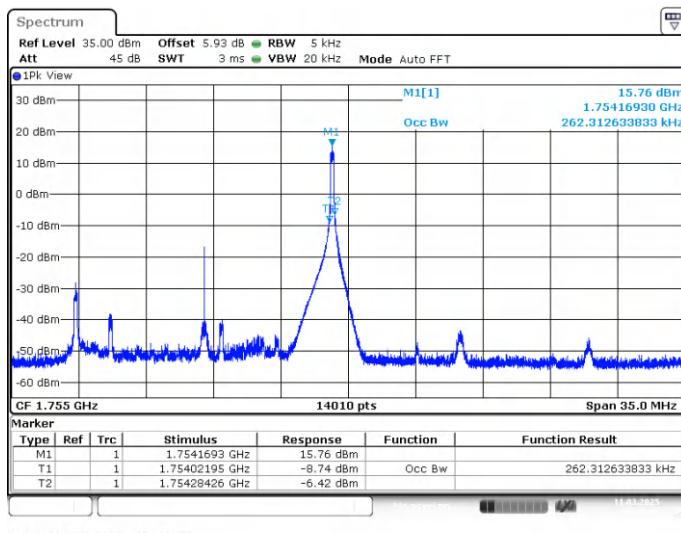
### OBW: 1RB-LOW\_offset



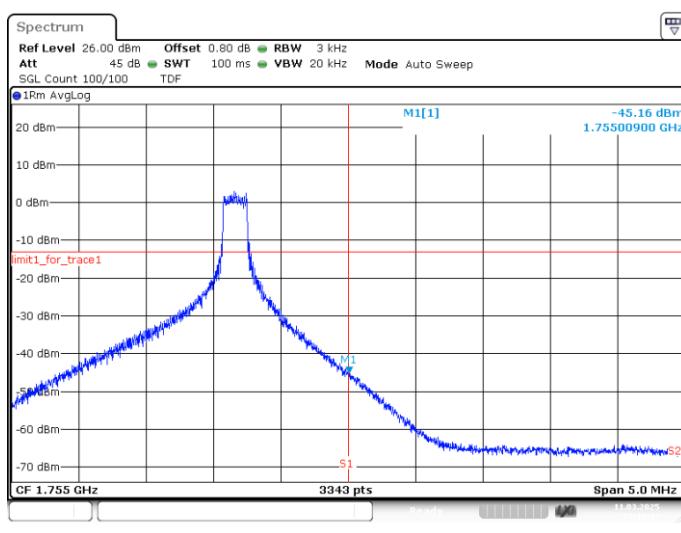
### LOW BAND EDGE BLOCK-1RB-LOW\_offset



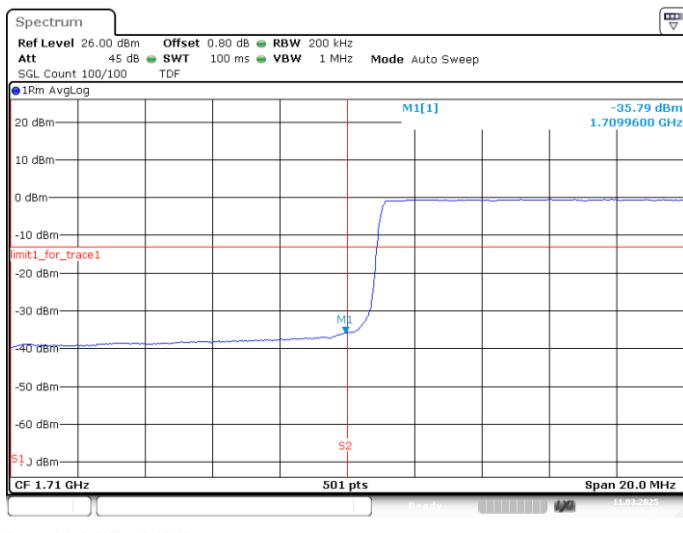
### OBW: 1RB-HIGH\_offset



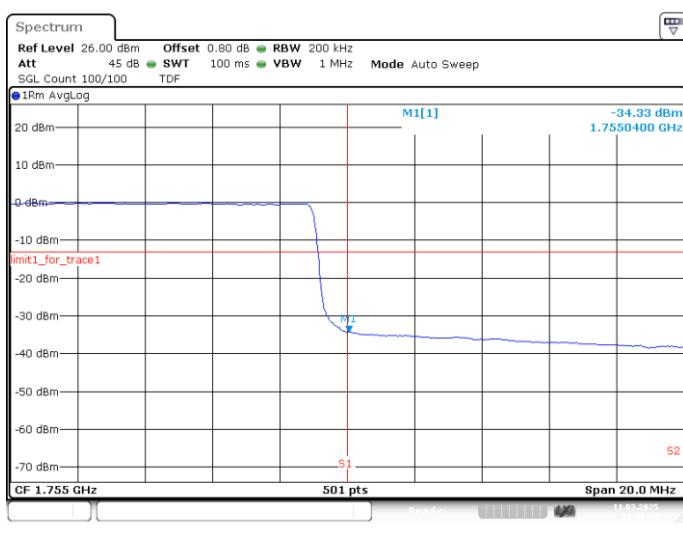
### HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



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

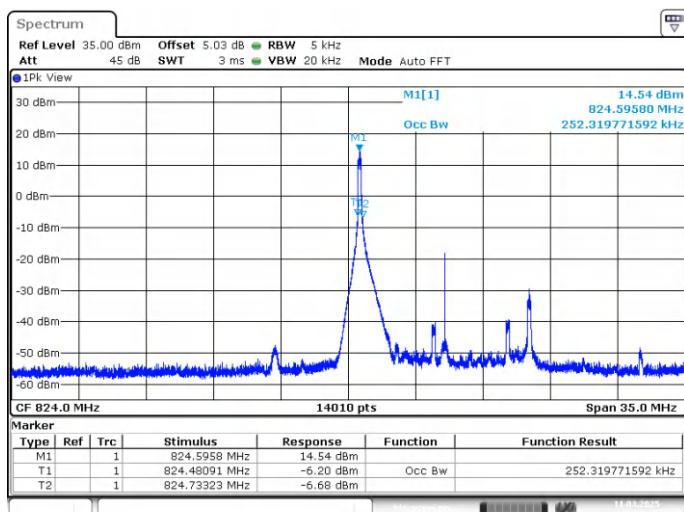


### HIGH BAND EDGE BLOCK-20MHz-100%RB



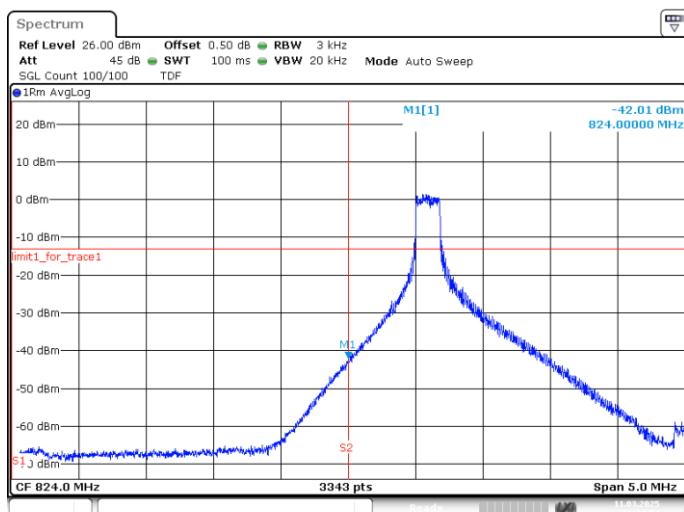
## LTE band 5

### OBW: 1RB-LOW\_offset



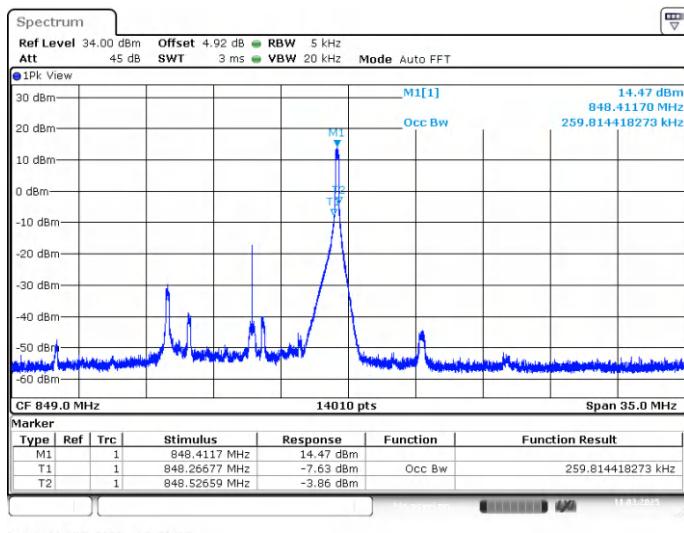
Date: 11.MAR.2025 16:01:04

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

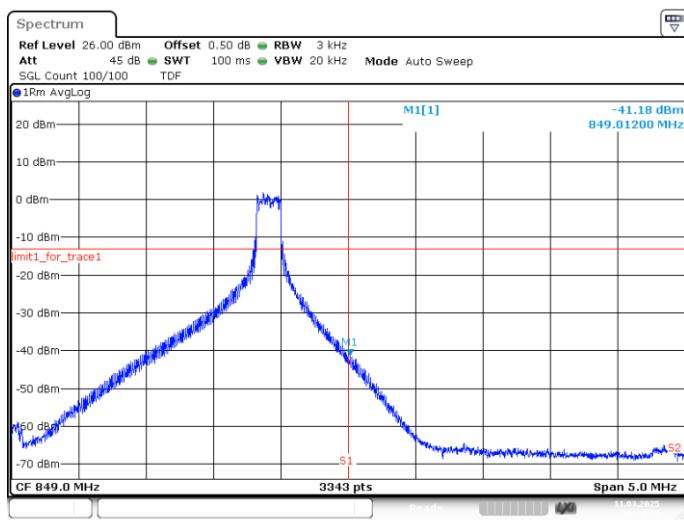


Date: 11.MAR.2025 16:01:54

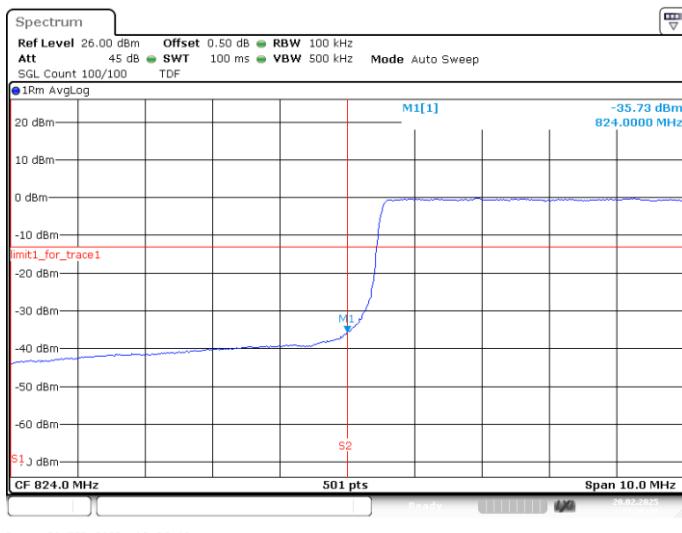
### OBW: 1RB-HIGH\_offset



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

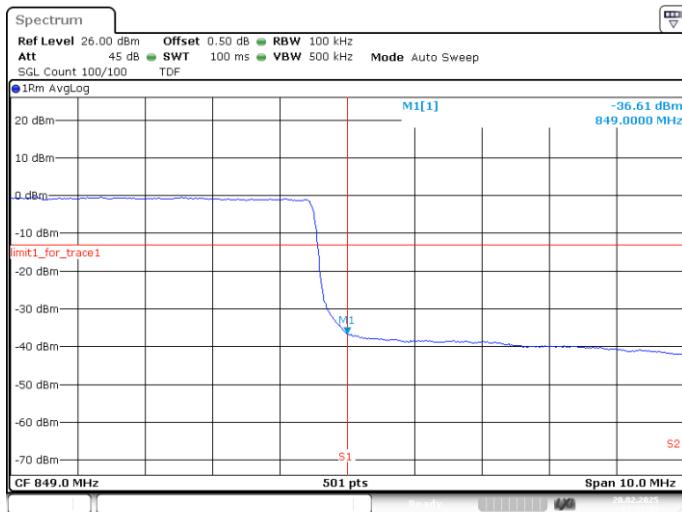


### LOW BAND EDGE BLOCK-10MHz-100%RB



Date: 20.FEB.2025 13:36:40

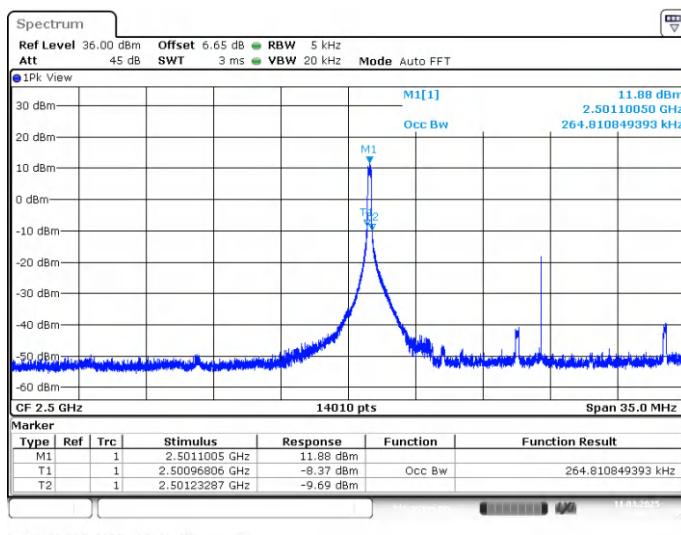
### HIGH BAND EDGE BLOCK-10MHz-100%RB



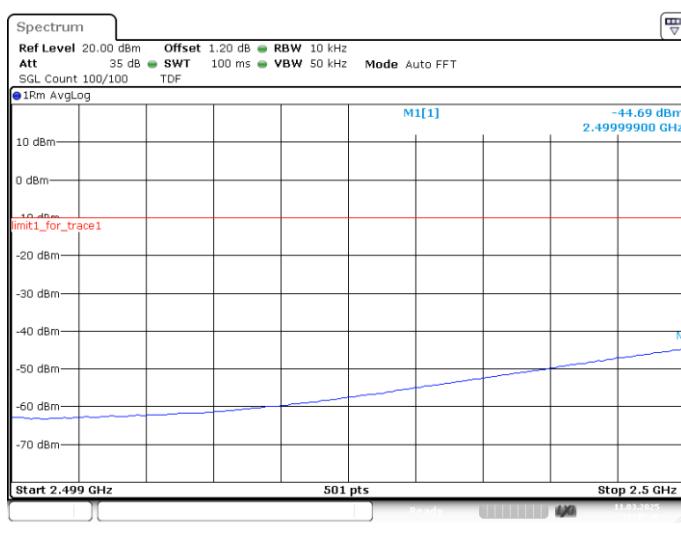
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## LTE band 7

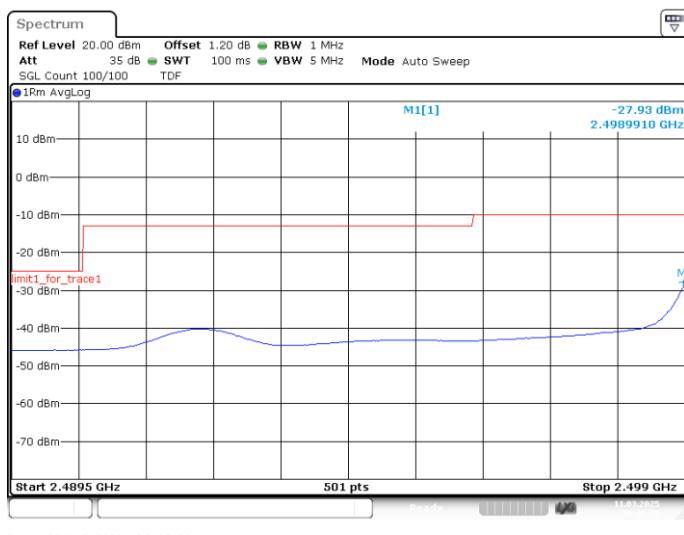
### OBW: 1RB-LOW\_offset



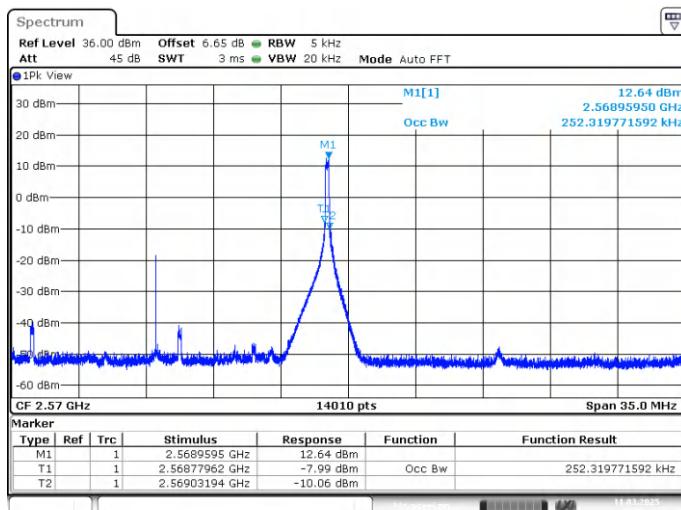
### LOW BAND EDGE BLOCK-1RB-LOW\_offset



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



### OBW: 1RB-HIGH\_offset



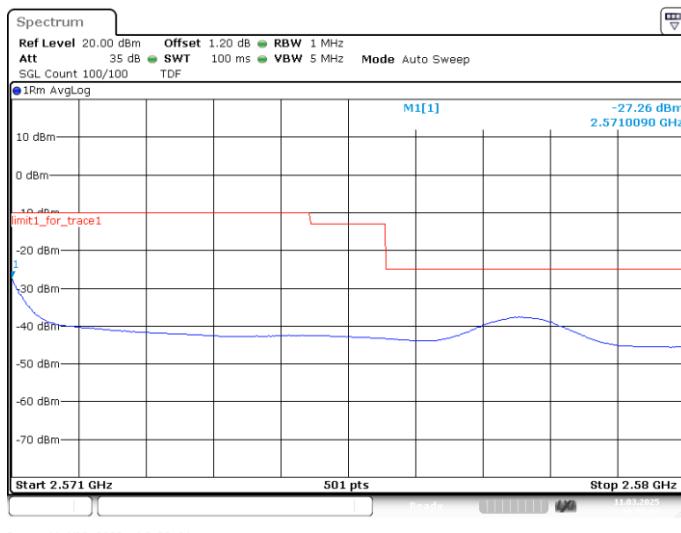
Date: 11.MAR.2025 16:56:16

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



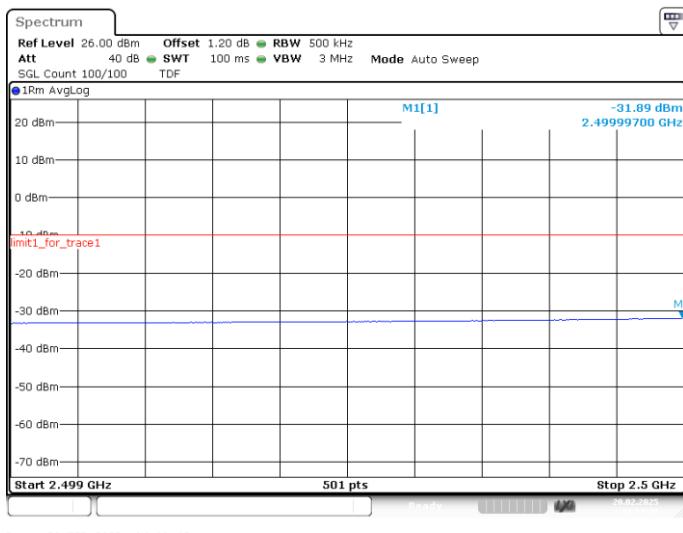
Date: 11.MAR.2025 16:57:12

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

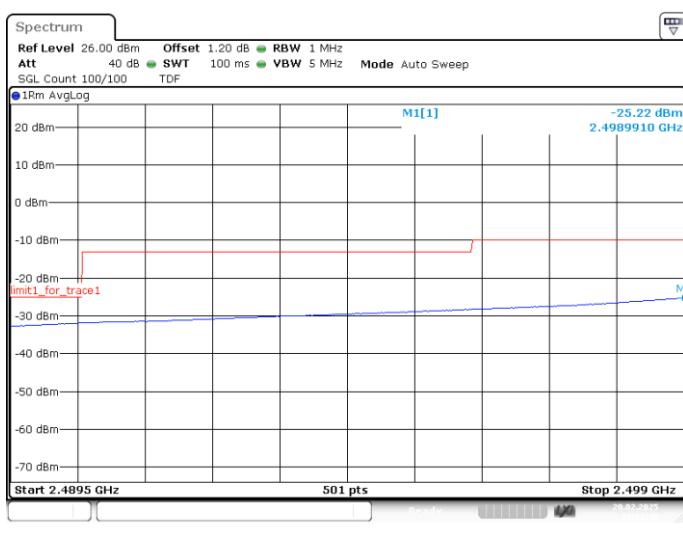


Date: 11.MAR.2025 16:58:04

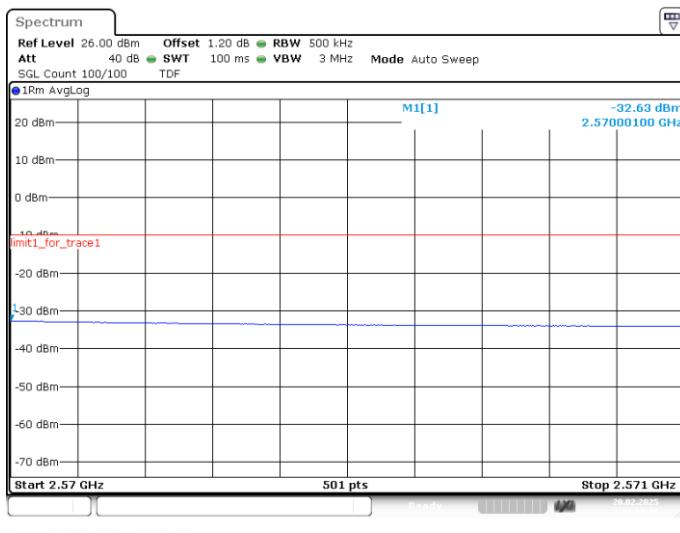
### LOW BAND EDGE BLOCK-20MHz-100%RB



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

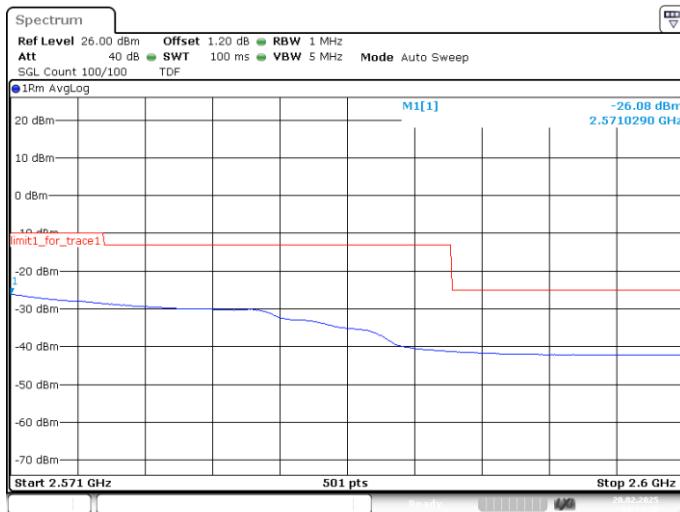


### HIGH BAND EDGE BLOCK-20MHz-100%RB



Date: 20.FEB.2025 14:13:38

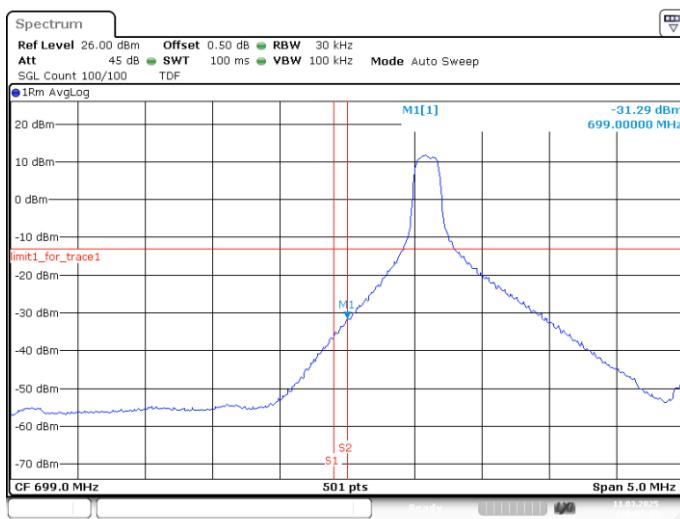
### HIGH BAND EDGE BLOCK-20MHz-100%RB



Date: 20.FEB.2025 14:14:30

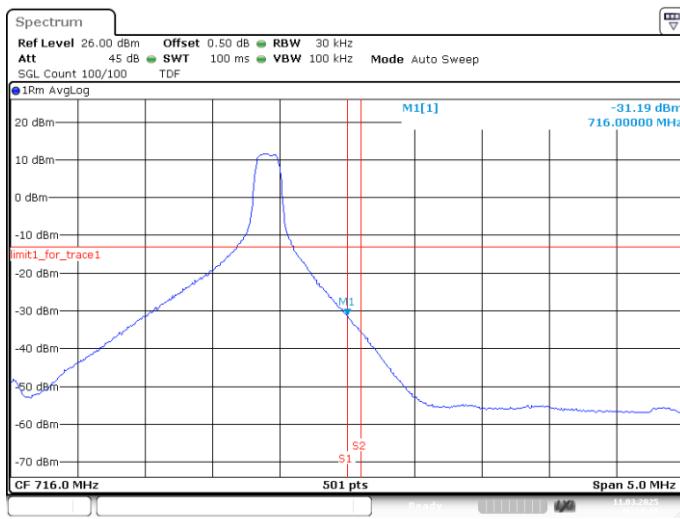
## LTE band 12

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



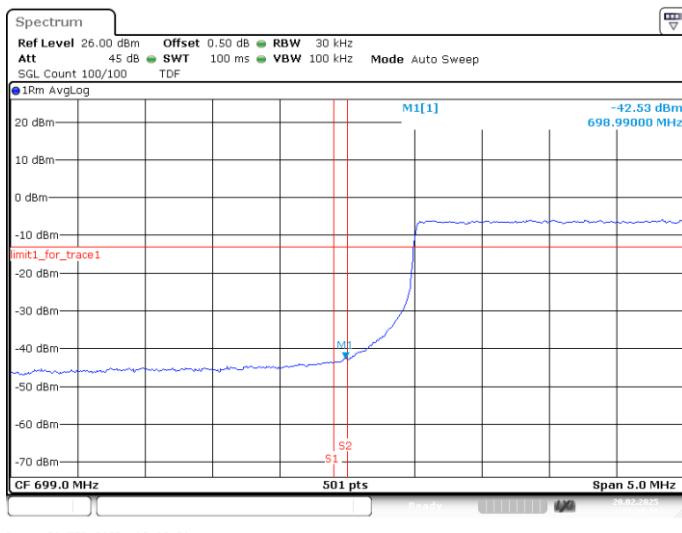
Date: 11.MAR.2025 16:09:12

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

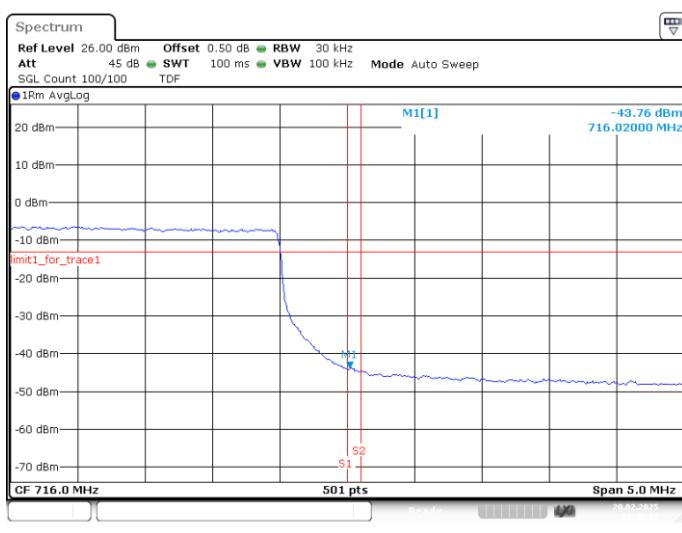


Date: 11.MAR.2025 16:28:15

### LOW BAND EDGE BLOCK-10MHz-100%RB

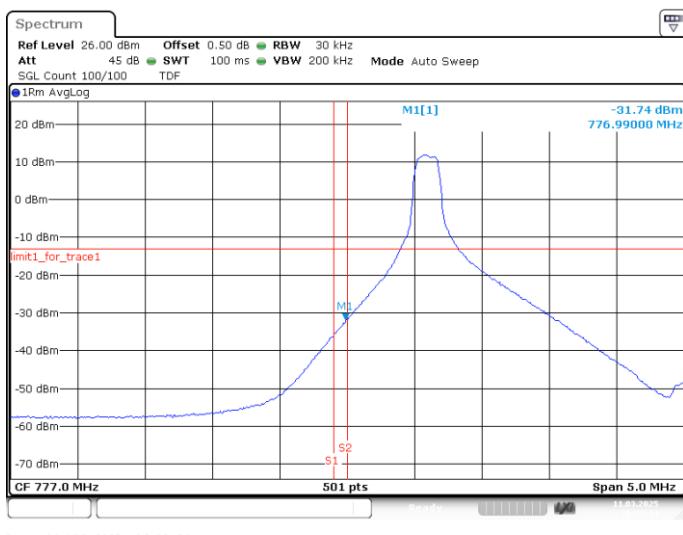


### HIGH BAND EDGE BLOCK-10MHz-100%RB

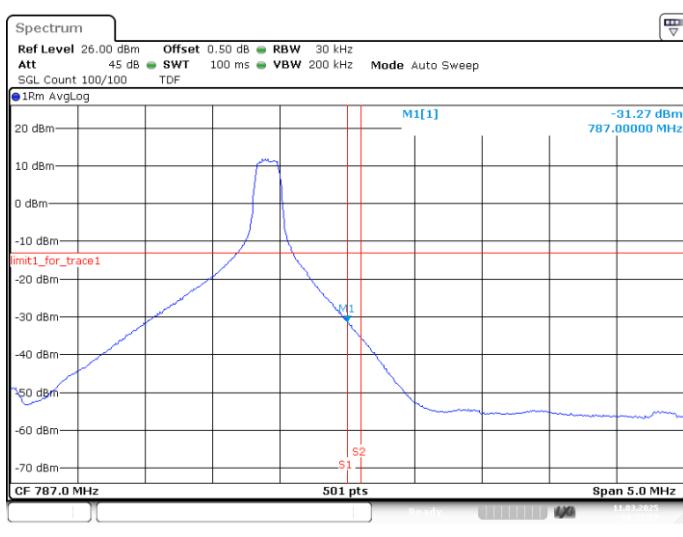


### LTE band 13

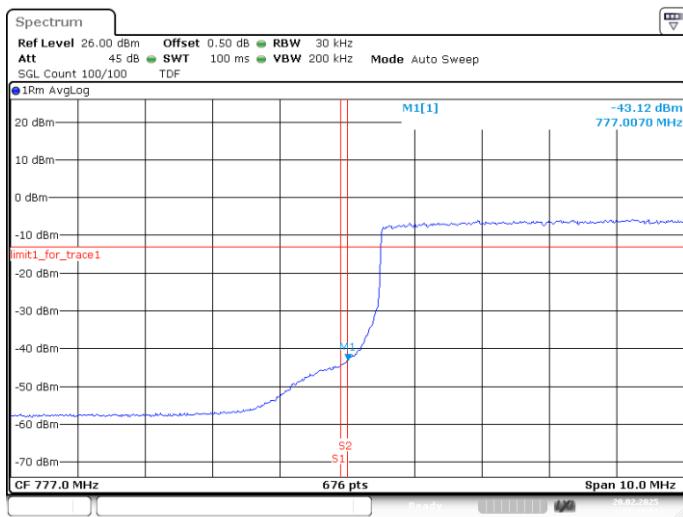
#### LOW BAND EDGE BLOCK-1RB-LOW\_offset



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

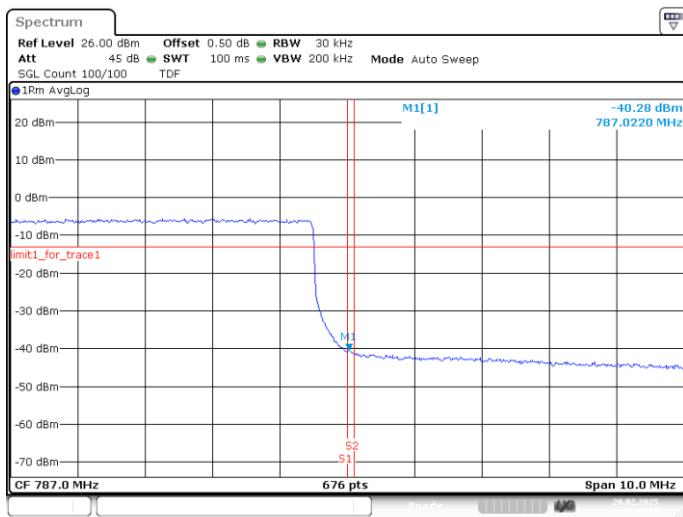


### LOW BAND EDGE BLOCK-10MHz-100%RB



Date: 20.FEB.2025 13:42:01

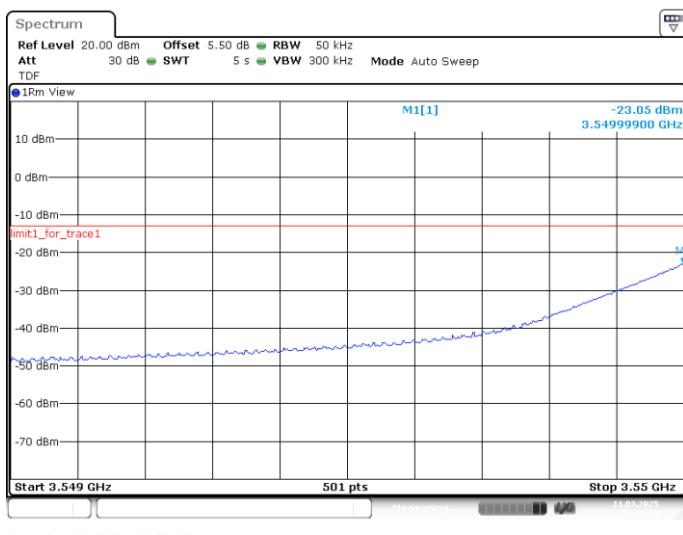
### HIGH BAND EDGE BLOCK-10MHz-100%RB



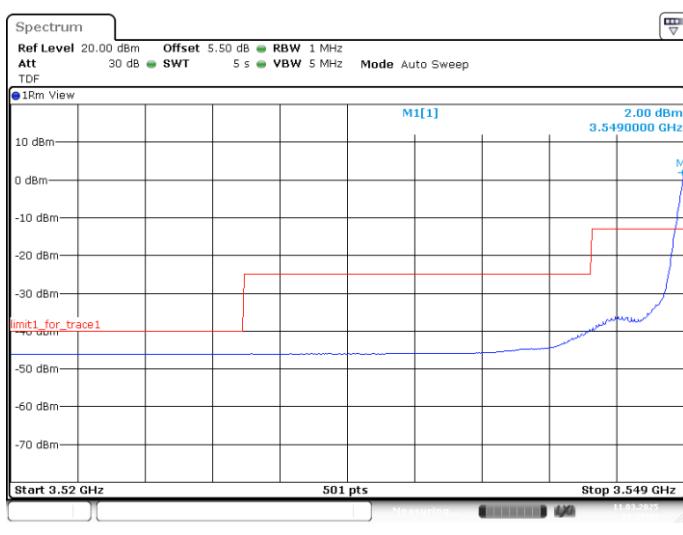
Date: 20.FEB.2025 13:44:03

## LTE band 48

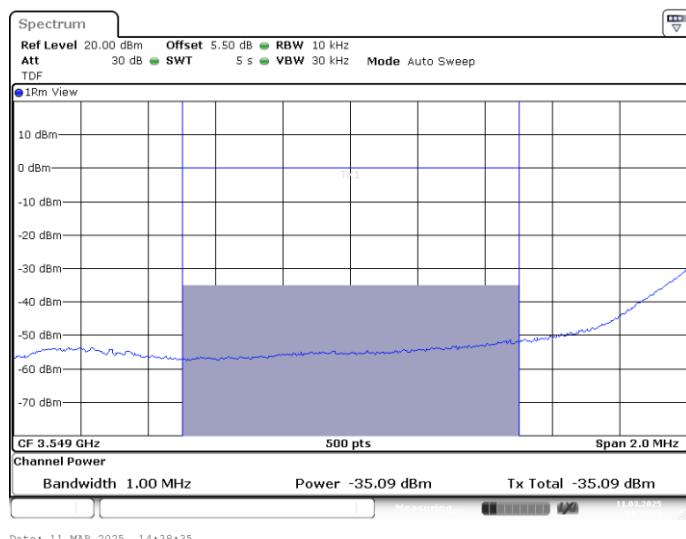
### LOW BAND EDGE BLOCK-1RB-LOW\_offset



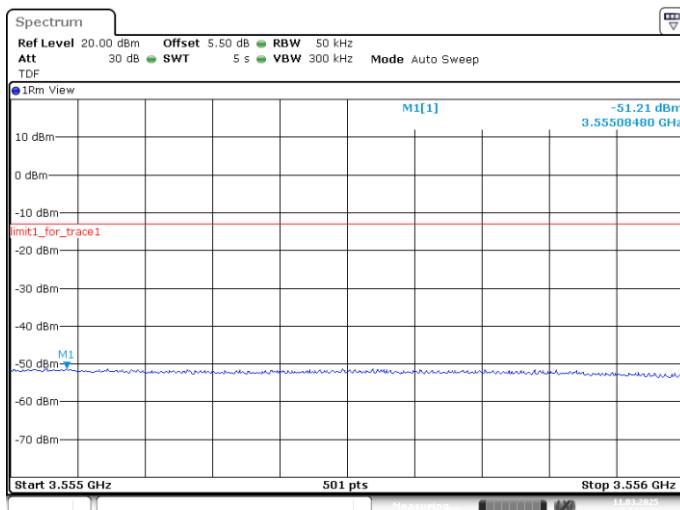
### LOW BAND EDGE BLOCK-1RB-LOW\_offset



## Channel power

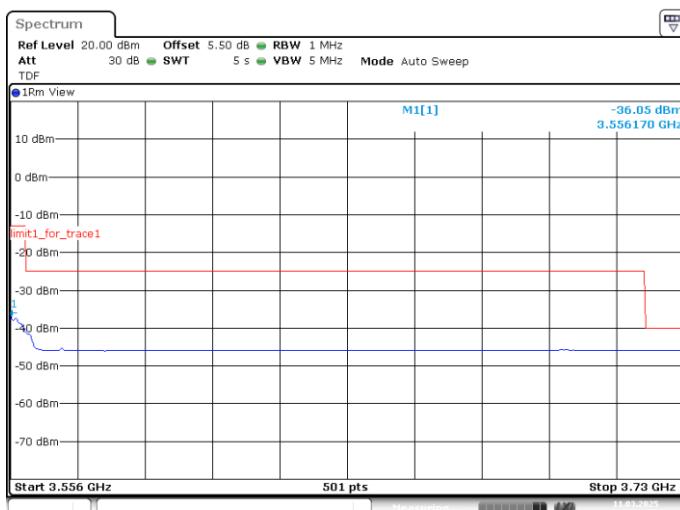


### LOW BAND EDGE BLOCK-1RB-LOW\_offset



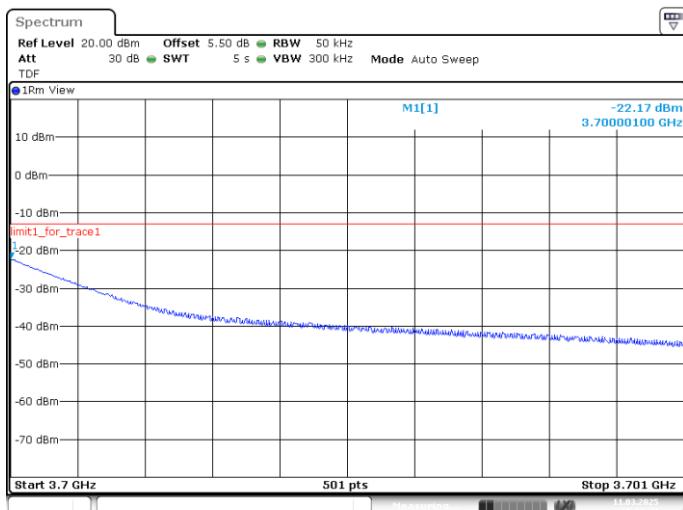
Date: 11.MAR.2025 14:39:16

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



Date: 11.MAR.2025 14:39:56

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



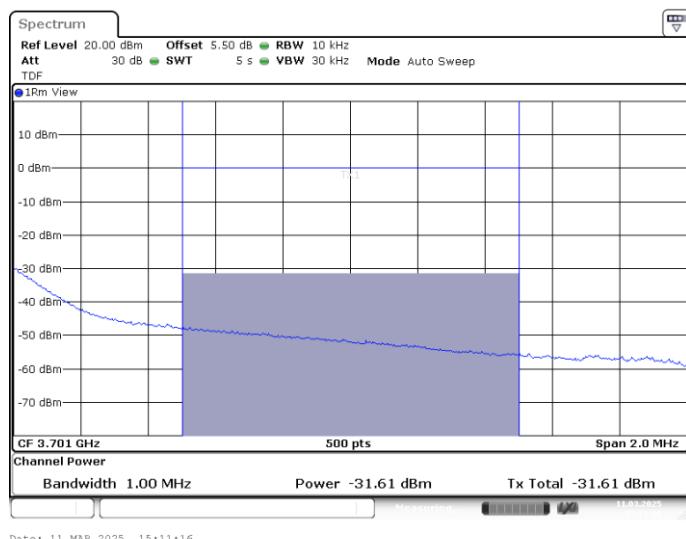
Date: 11.MAR.2025 15:09:43

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

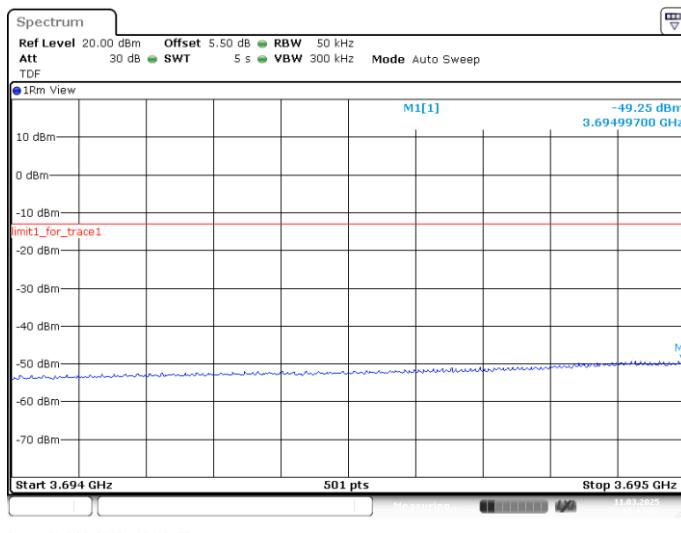


Date: 11.MAR.2025 15:10:24

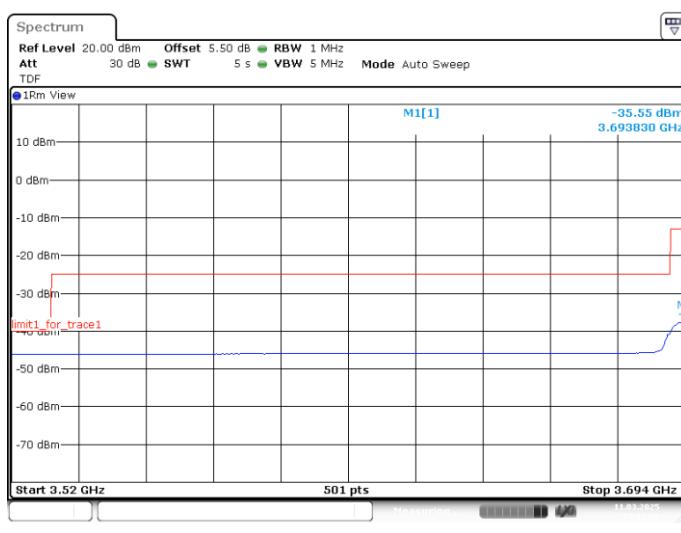
## Channel power



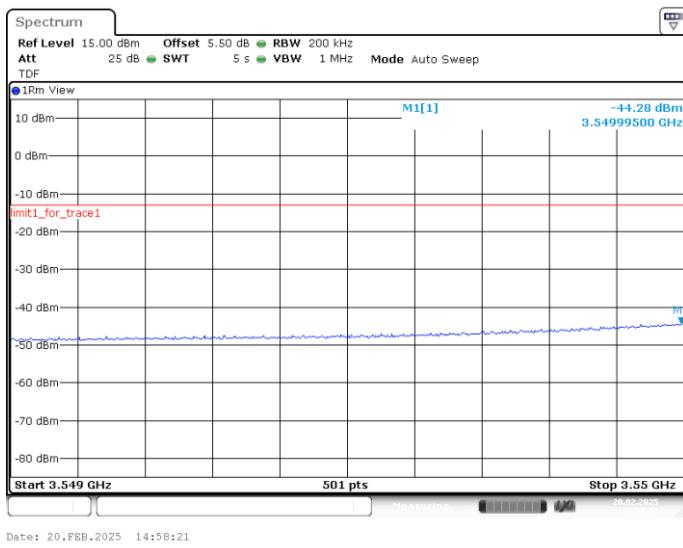
### HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



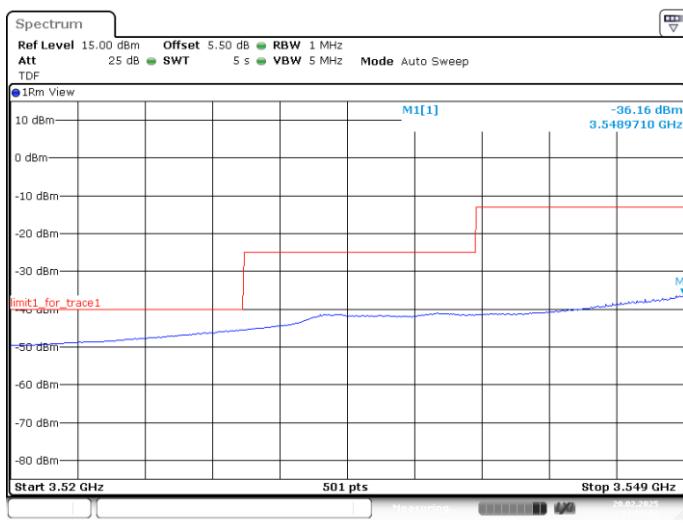
### HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



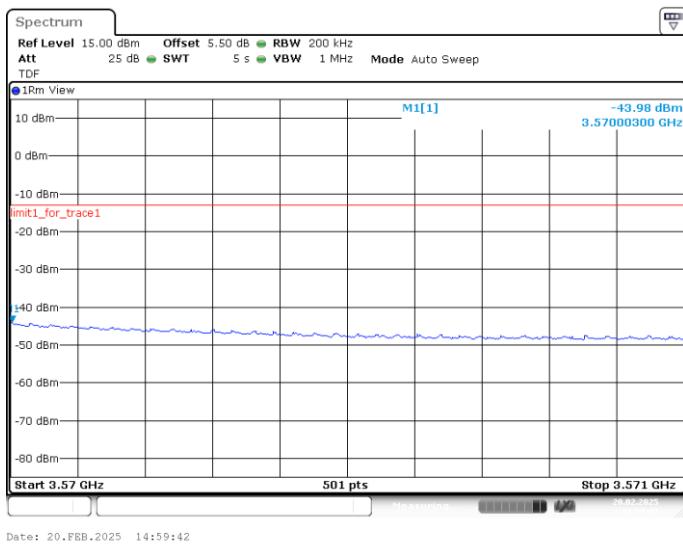
### LOW BAND EDGE BLOCK-20MHz-100%RB



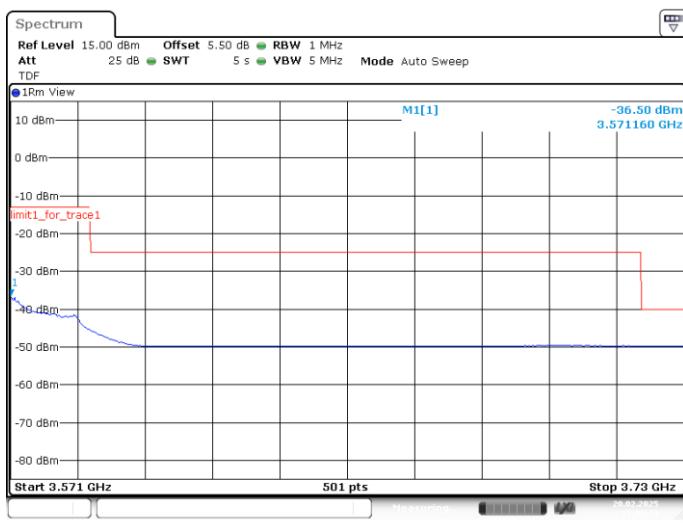
### LOW BAND EDGE BLOCK-20MHz-100%RB



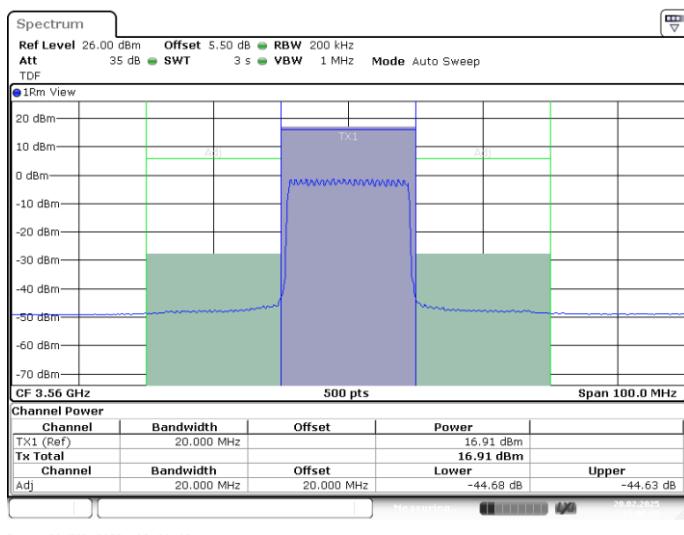
### LOW BAND EDGE BLOCK-20MHz-100%RB



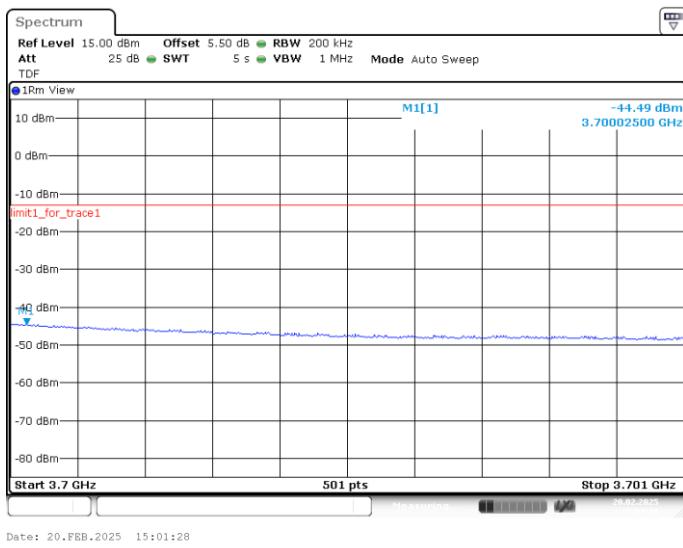
### LOW BAND EDGE BLOCK-20MHz-100%RB



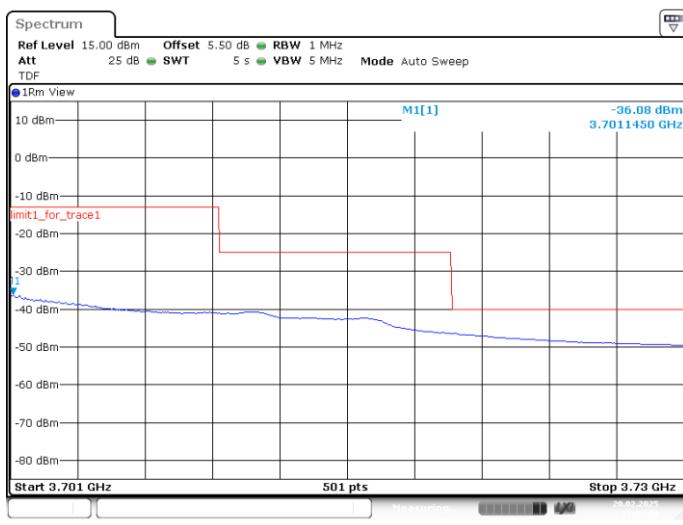
## ACLR



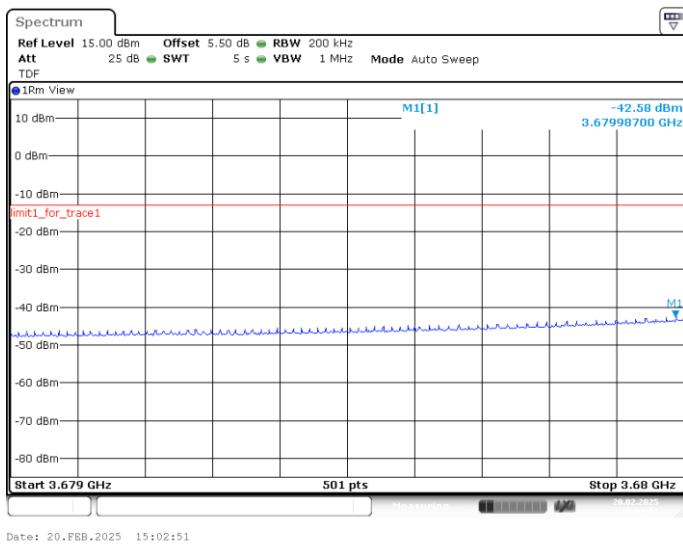
### HIGH BAND EDGE BLOCK-20MHz-100%RB



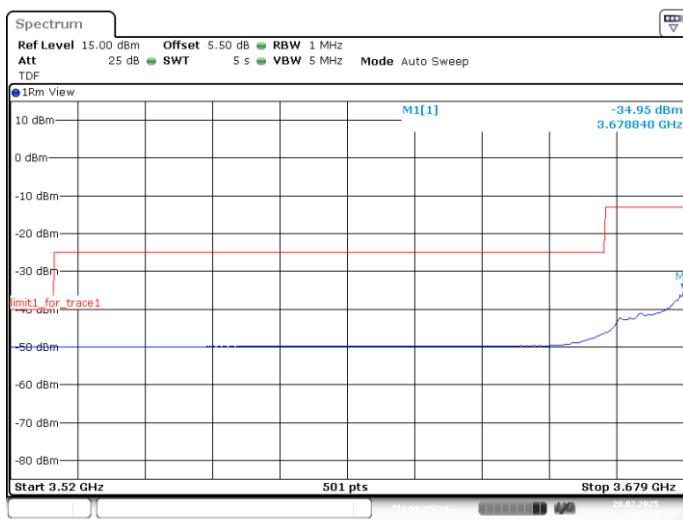
### HIGH BAND EDGE BLOCK-20MHz-100%RB



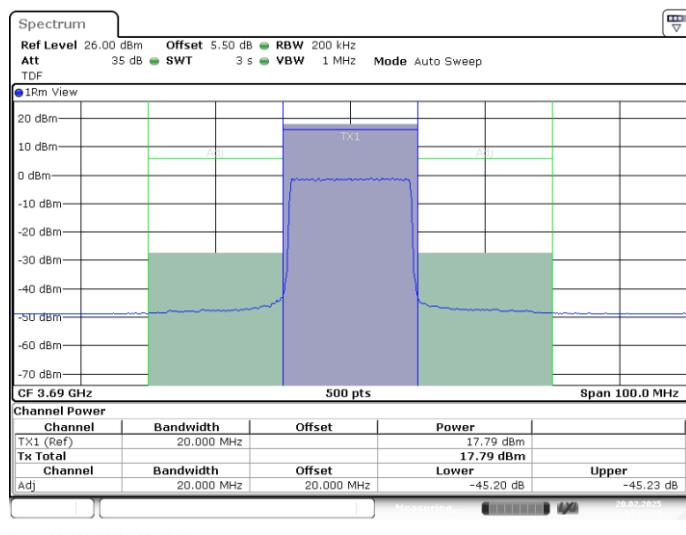
### HIGH BAND EDGE BLOCK-20MHz-100%RB



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

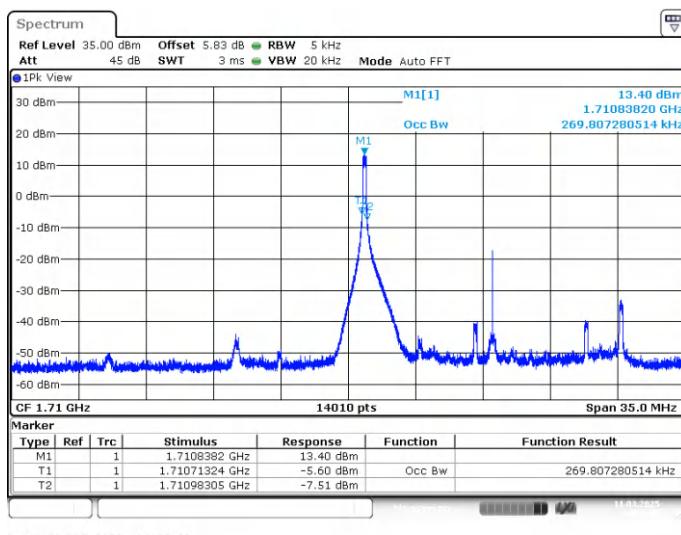


## ACLR

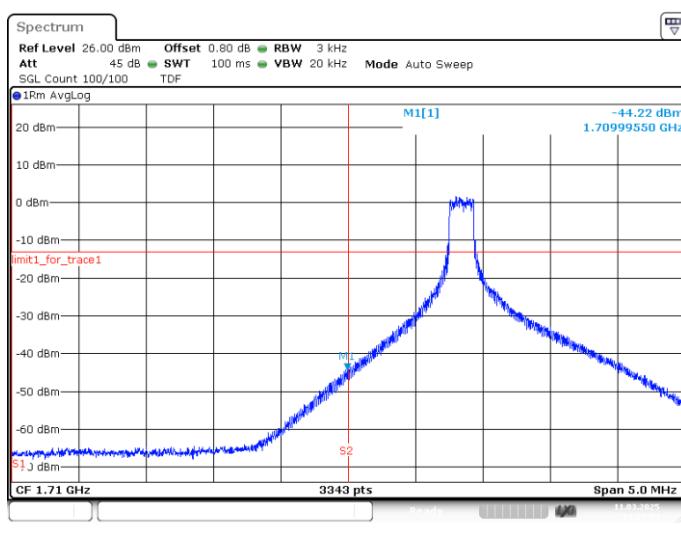


## LTE band 66

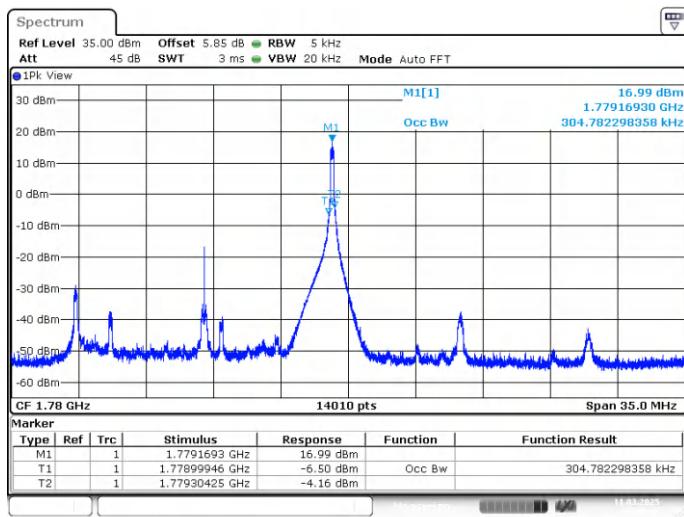
### OBW: 1RB-LOW\_offset



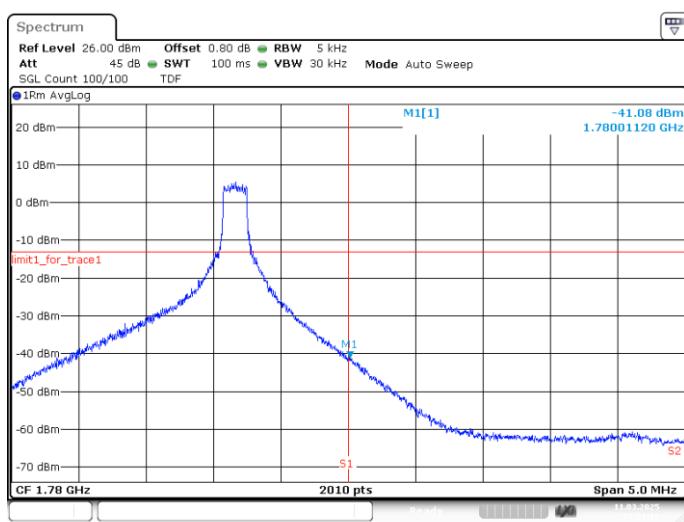
### LOW BAND EDGE BLOCK-1RB-LOW\_offset



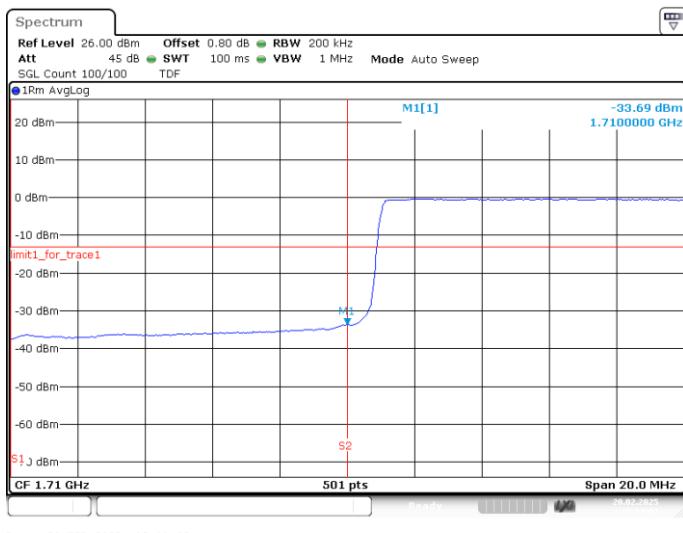
### OBW: 1RB-HIGH\_offset



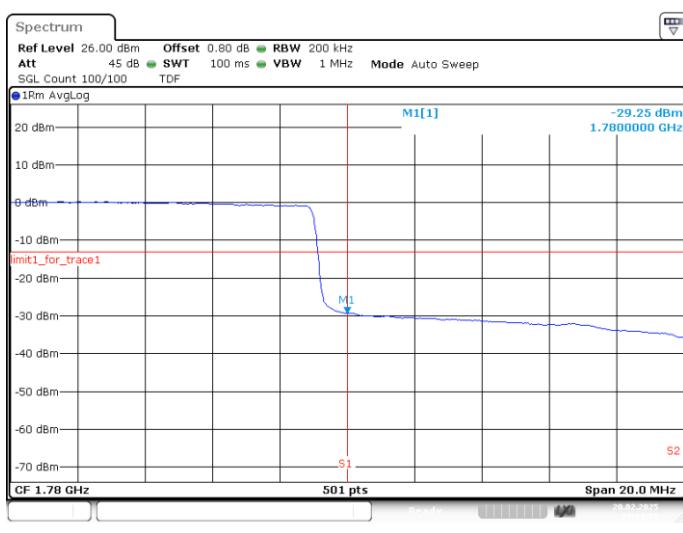
### HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



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

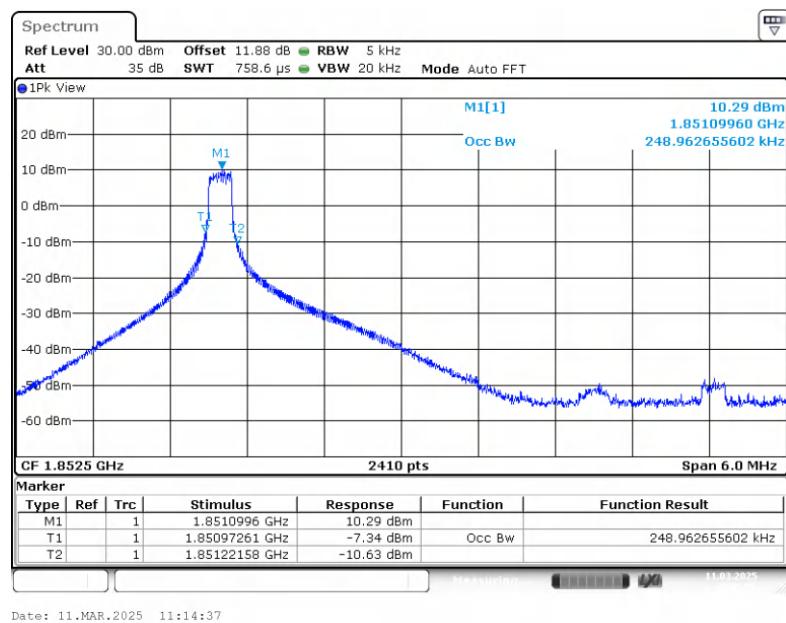


### HIGH BAND EDGE BLOCK-20MHz-100%RB

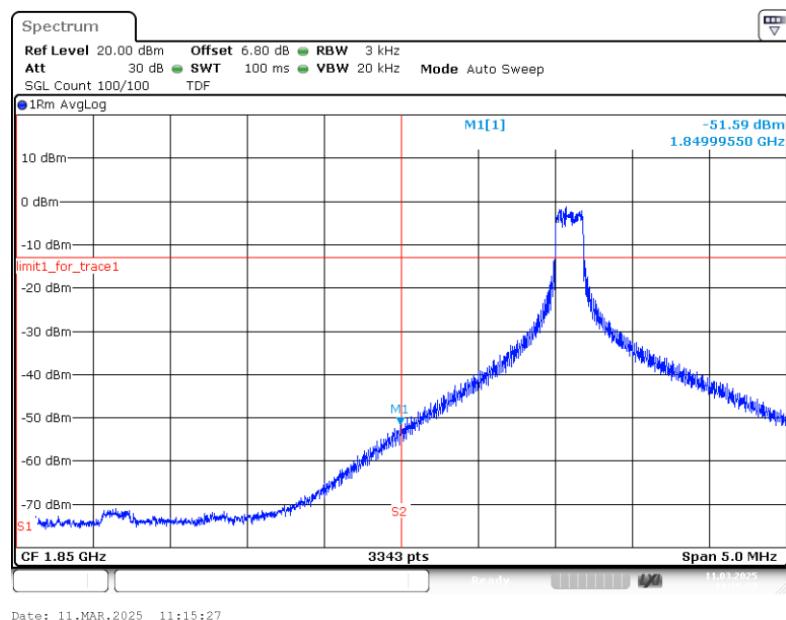


### LTE band 2@CA 2A-4A

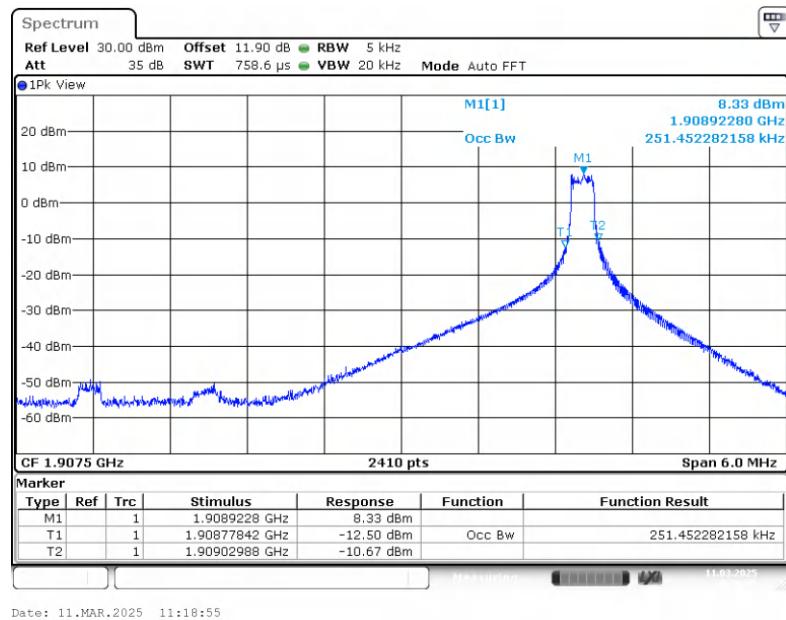
#### OBW: 1RB-LOW\_offset



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



### OBW: 1RB-HIGH\_offset



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

