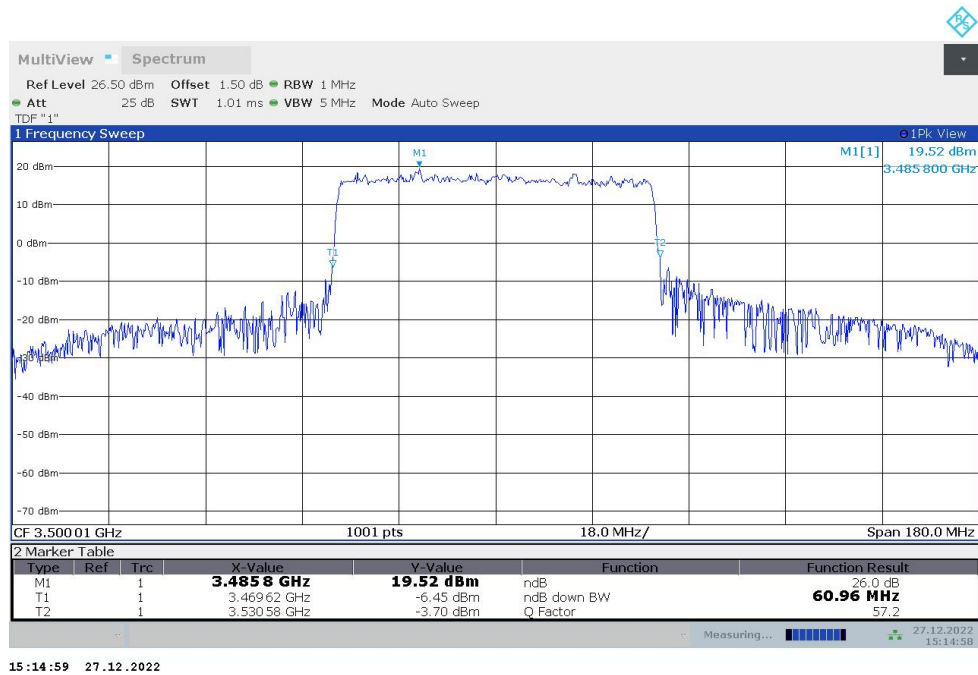


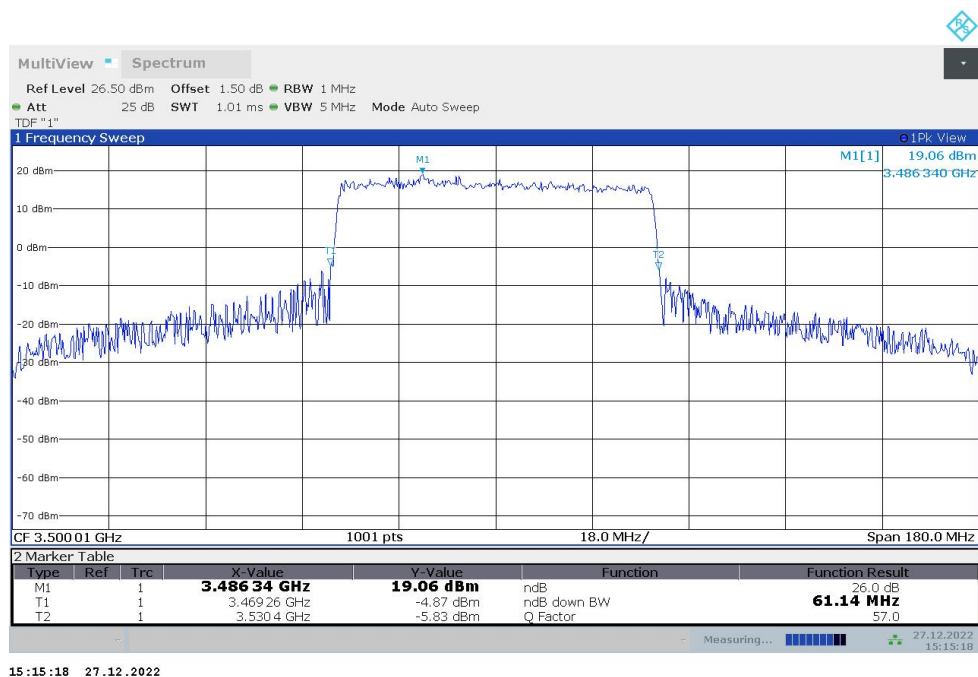
# LTE Band 66+NR n77L n77L,60MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	60.960	61.140

## n77L,60MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



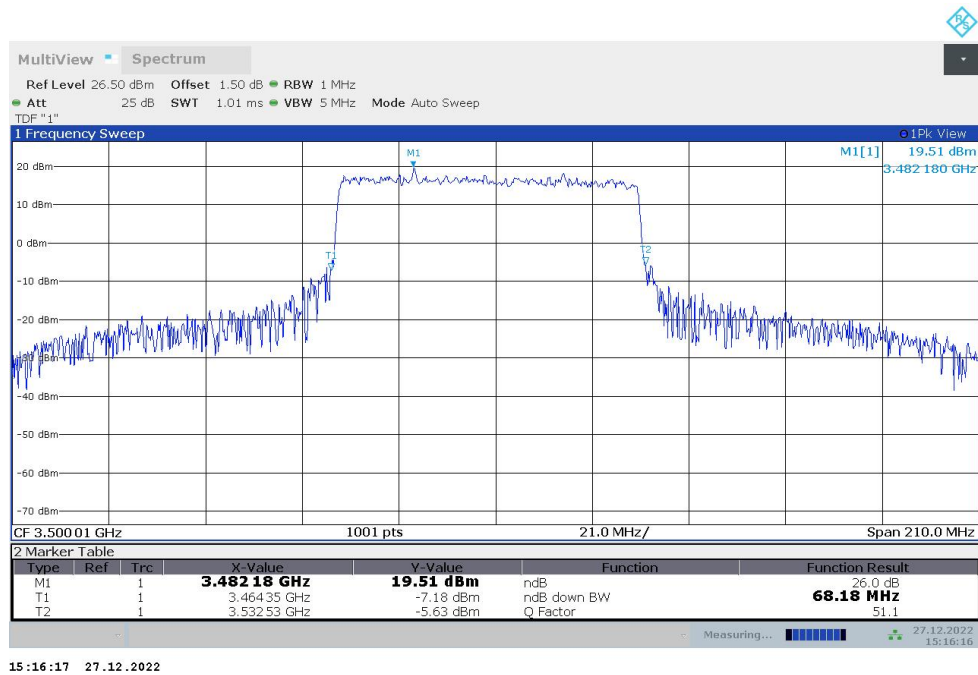
## n77L,60MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



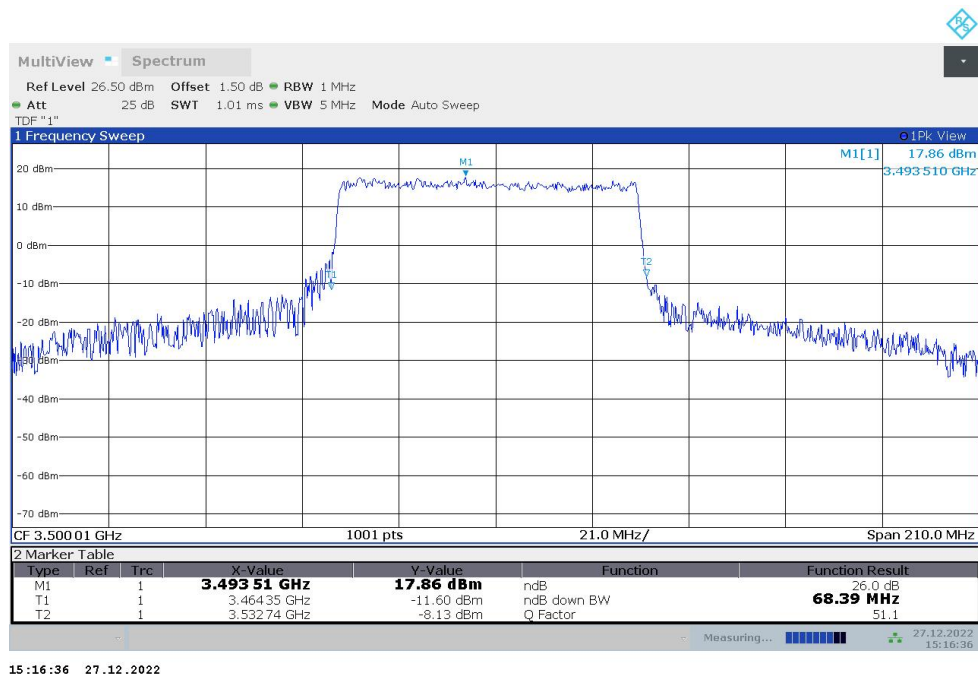
# LTE Band 66+NR n77L n77L,70MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	68.180	68.390

## n77L,70MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



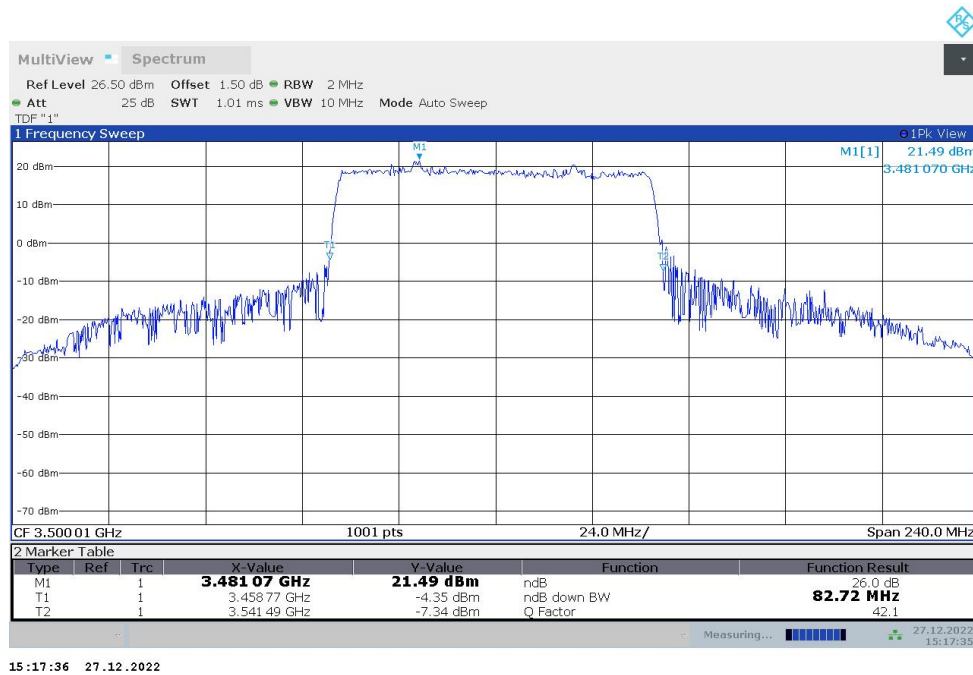
## n77L,70MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



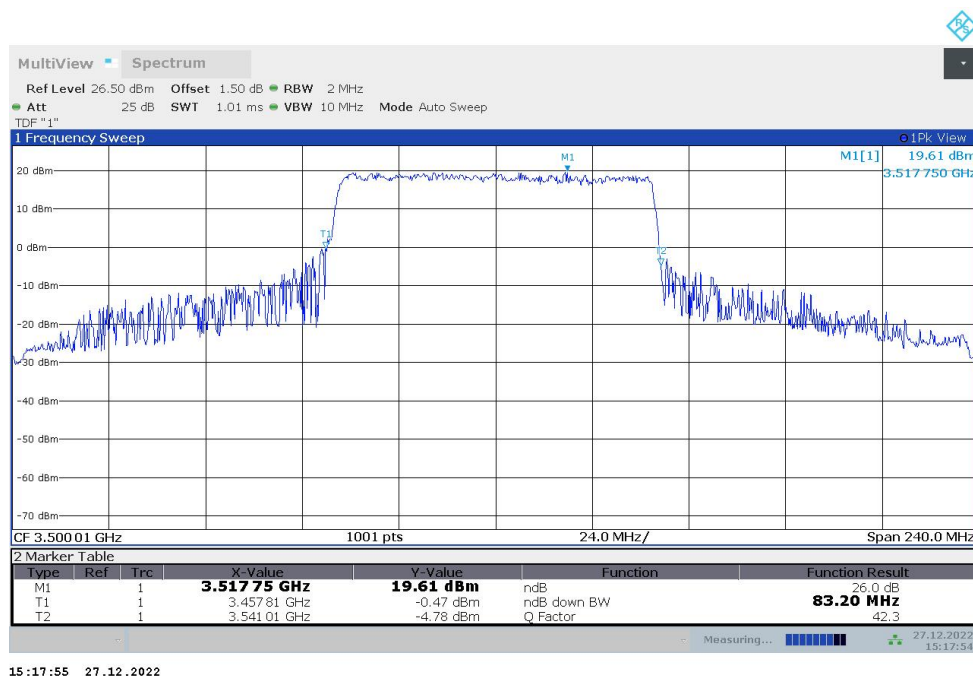
# LTE Band 66+NR n77L n77L,80MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	82.720	83.200

## n77L,80MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



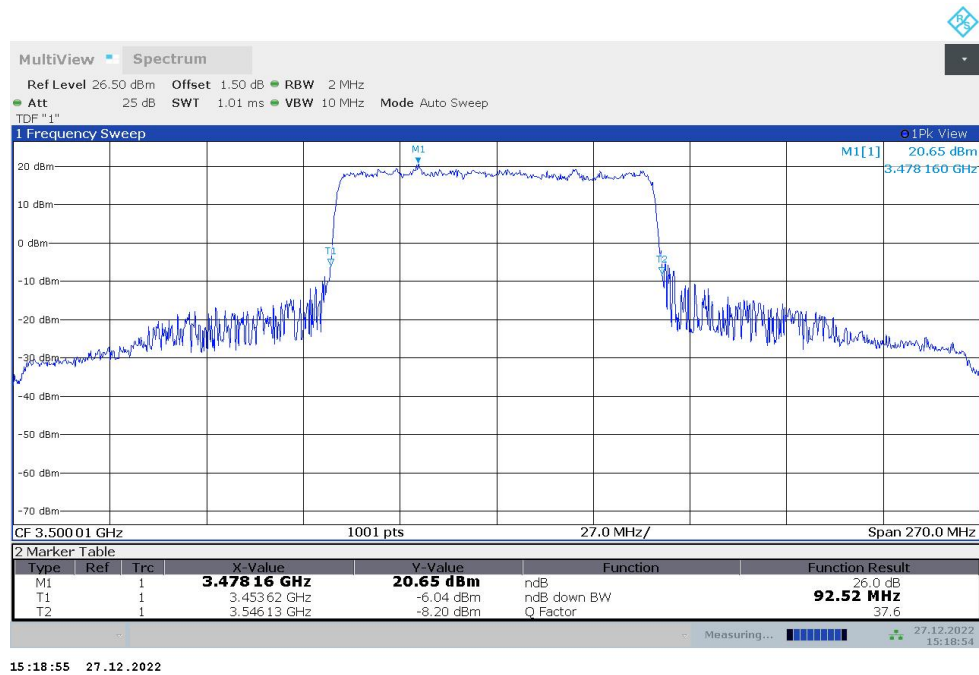
## n77L,80MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



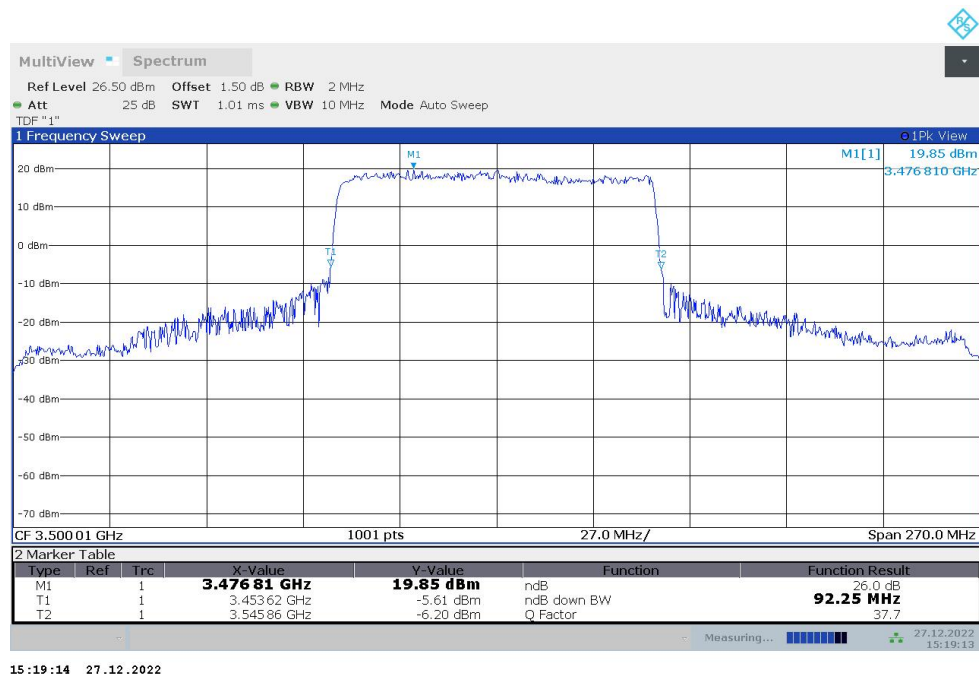
# LTE Band 66+NR n77L n77L,90MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	92.520	92.250

## n77L,90MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



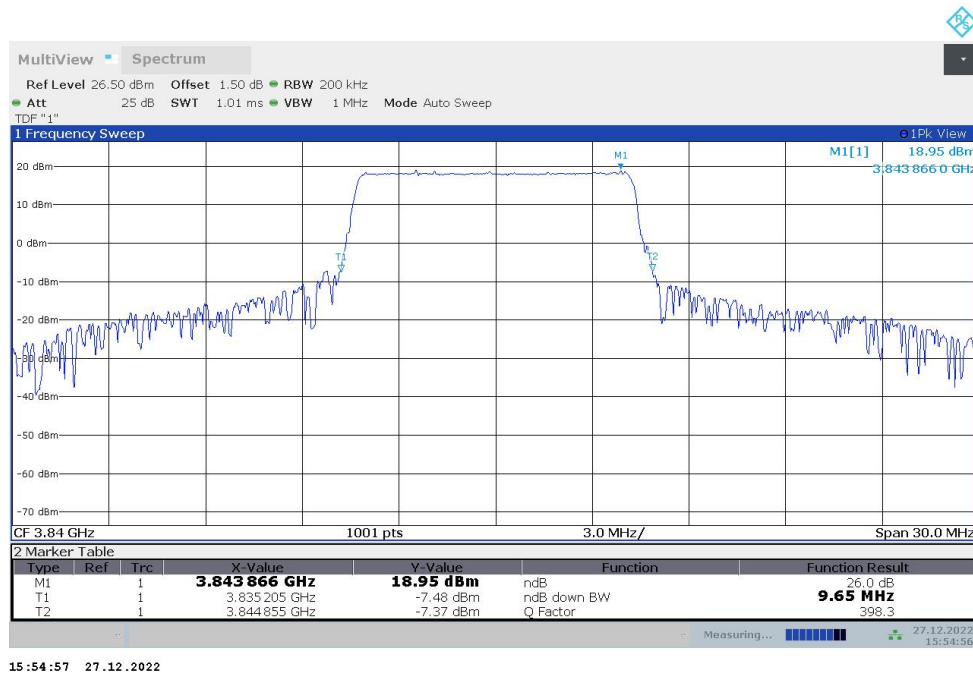
## n77L,90MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



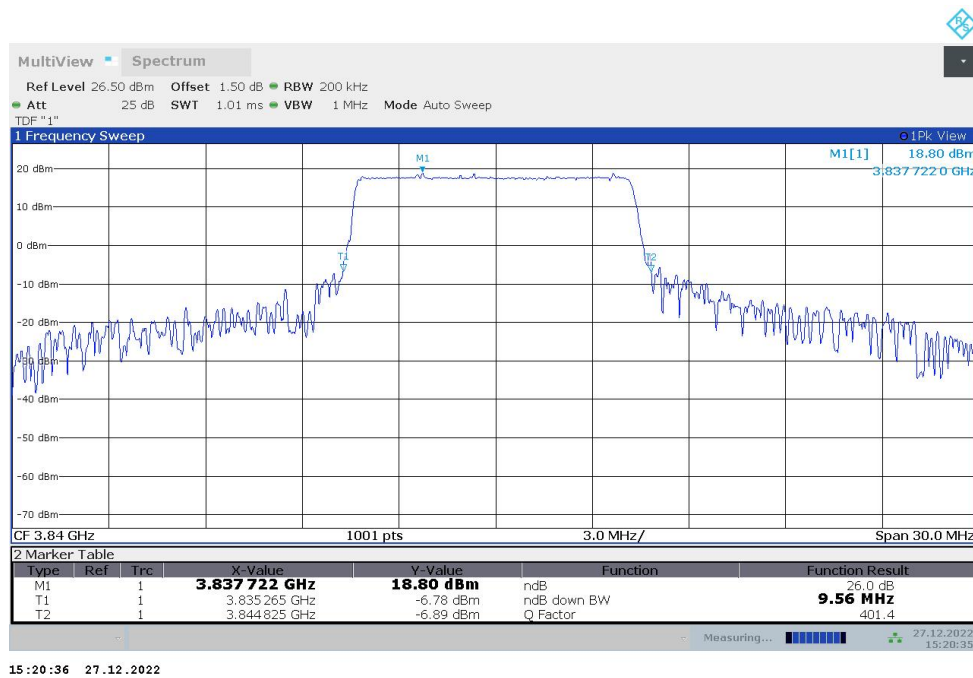
# LTE Band 66+NR n77H n77H,10MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	9.650	9.560

## n77H,10MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



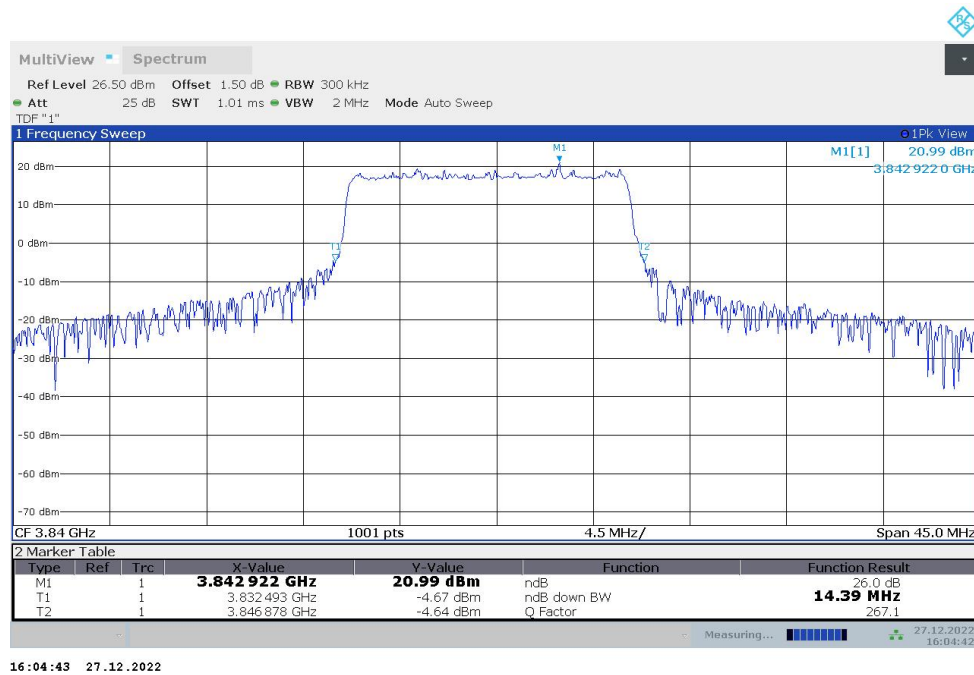
## n77H,10MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



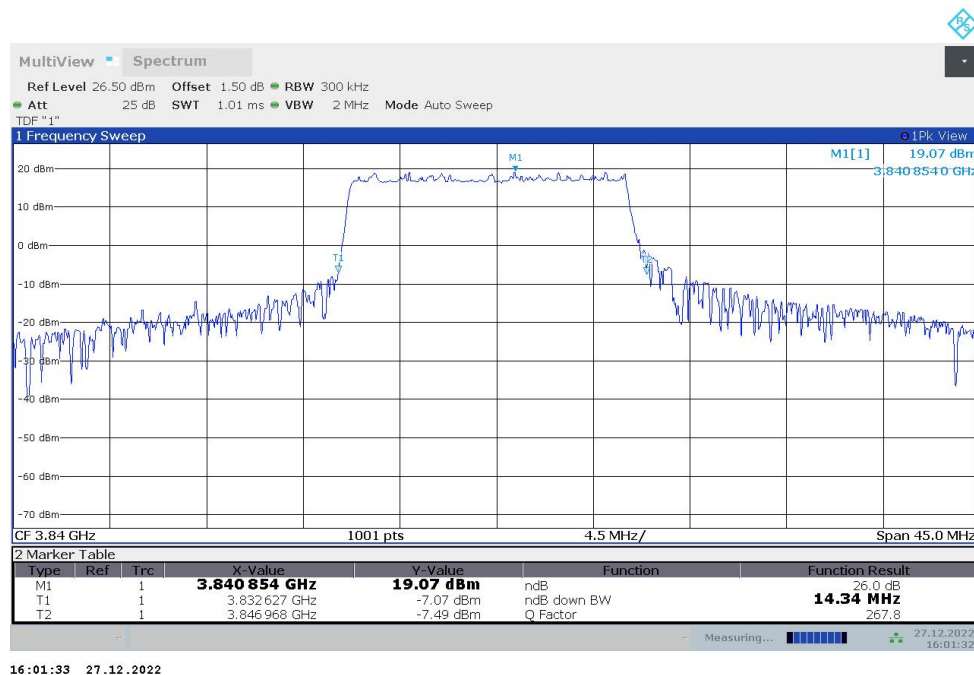
# LTE Band 66+NR n77H n77H,15MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	14.386	14.341

## n77H,15MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



## n77H,15MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

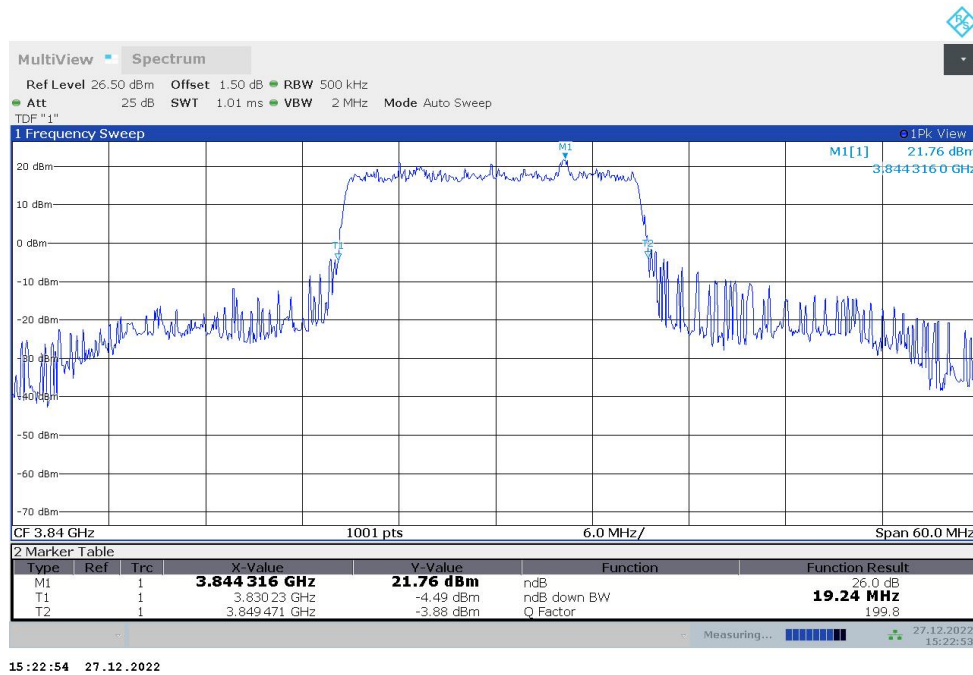




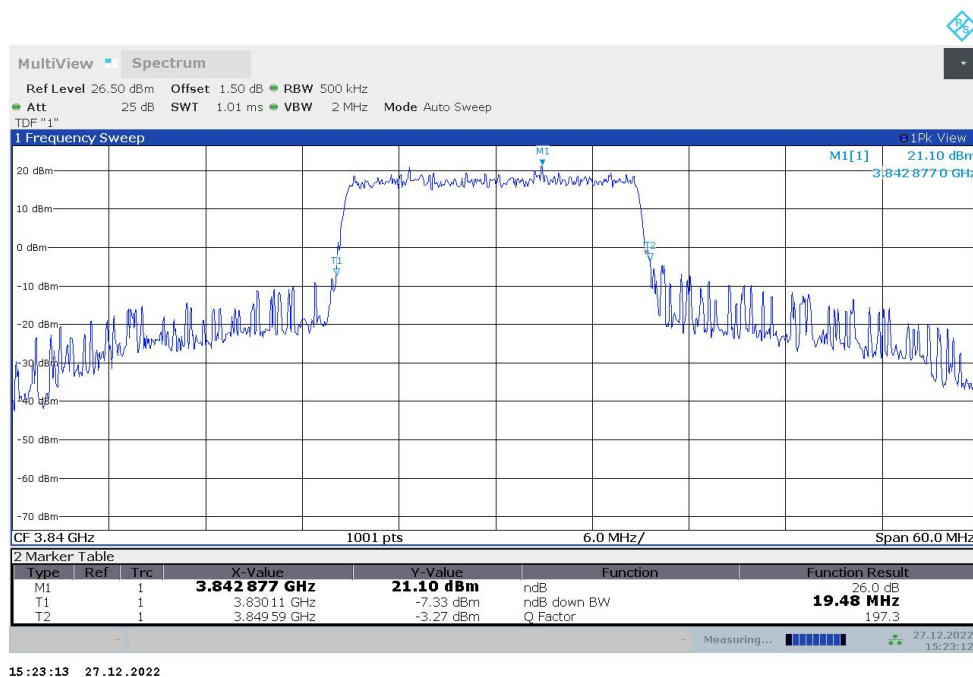
# LTE Band 66+NR n77H n77H,20MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	19.241	19.481

## n77H,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



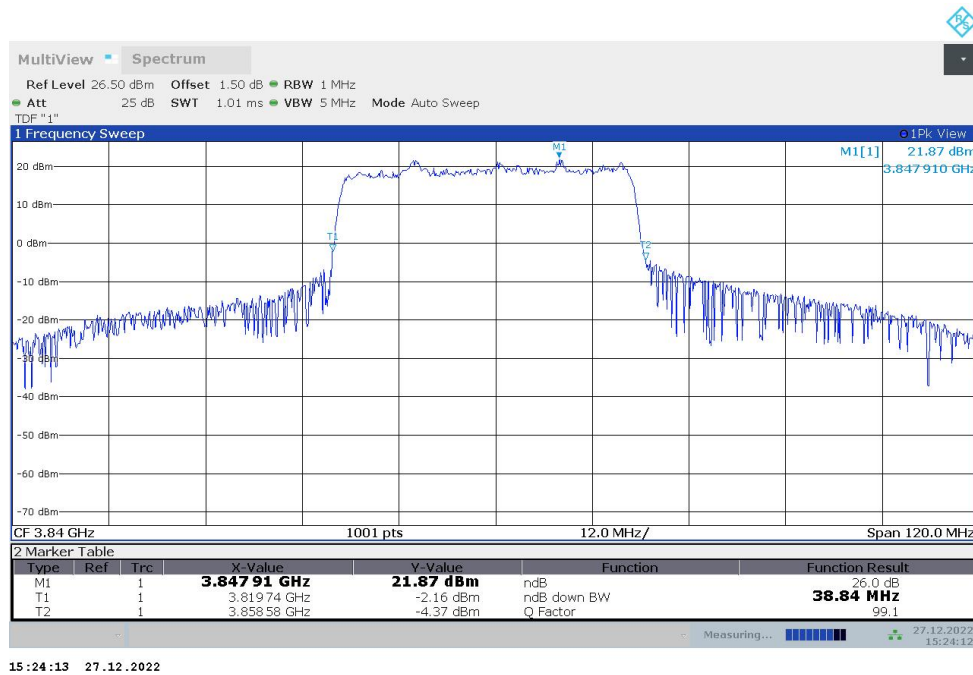
## n77H,20MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



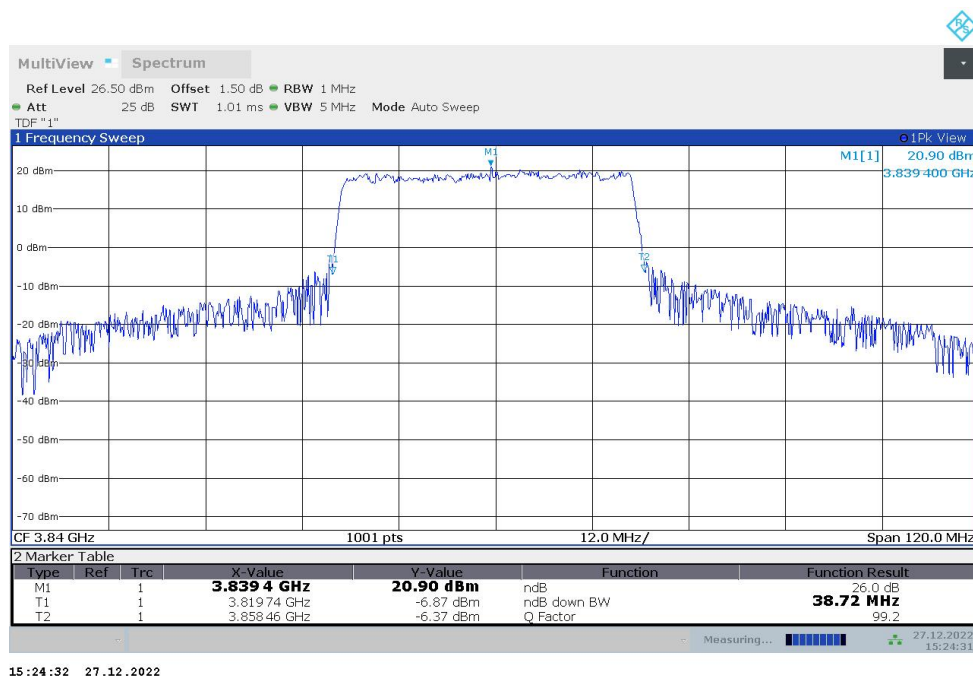
# LTE Band 66+NR n77H n77H,40MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	38.840	38.720

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



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

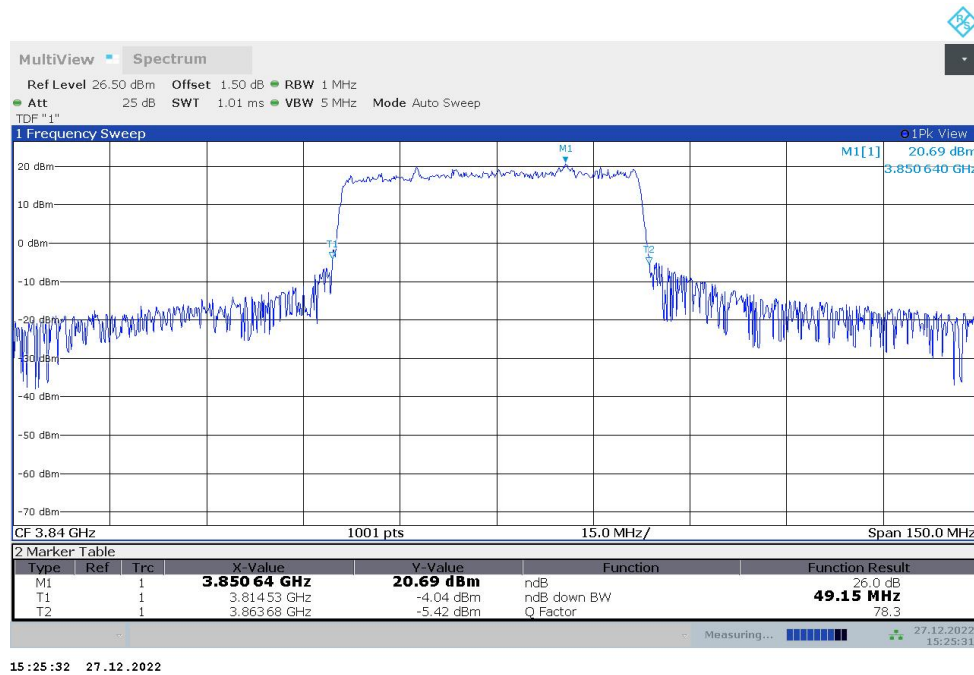




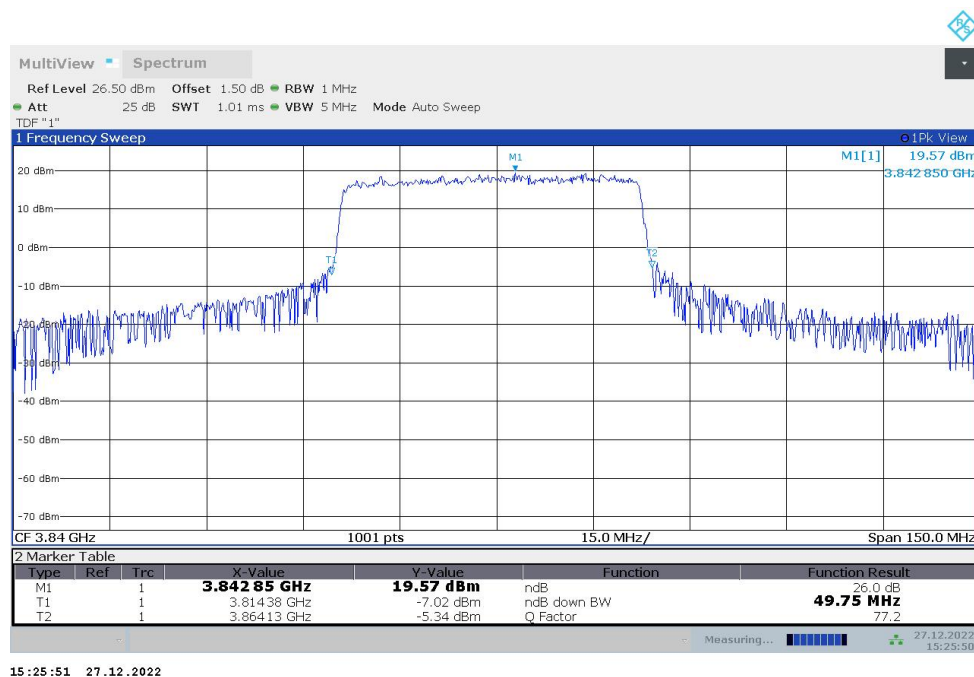
# LTE Band 66+NR n77H n77H,50MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	49.150	49.750

## n77H,50MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



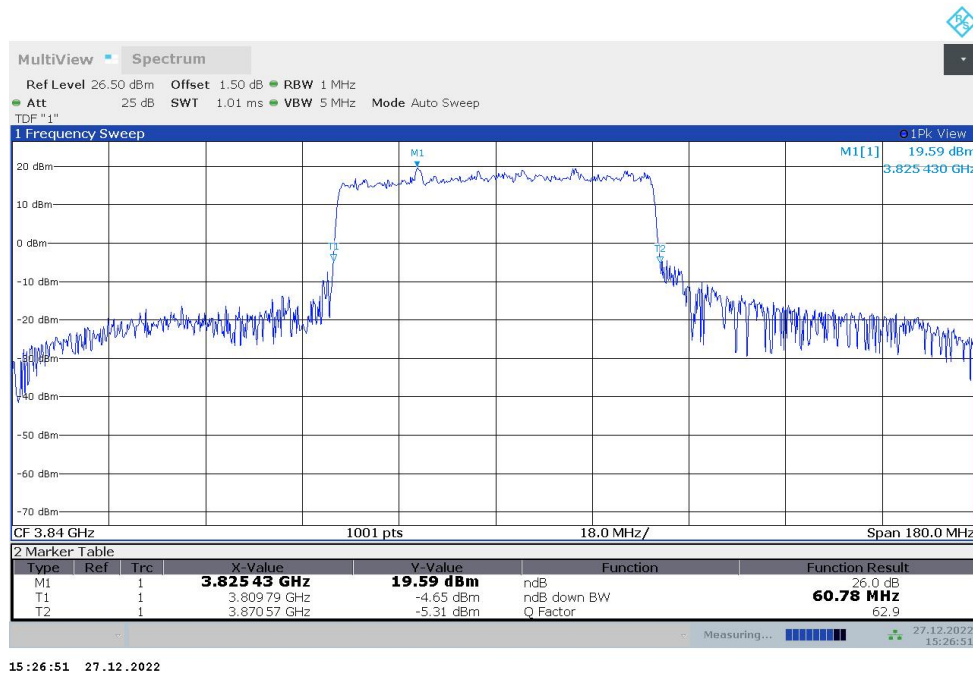
## n77H,50MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



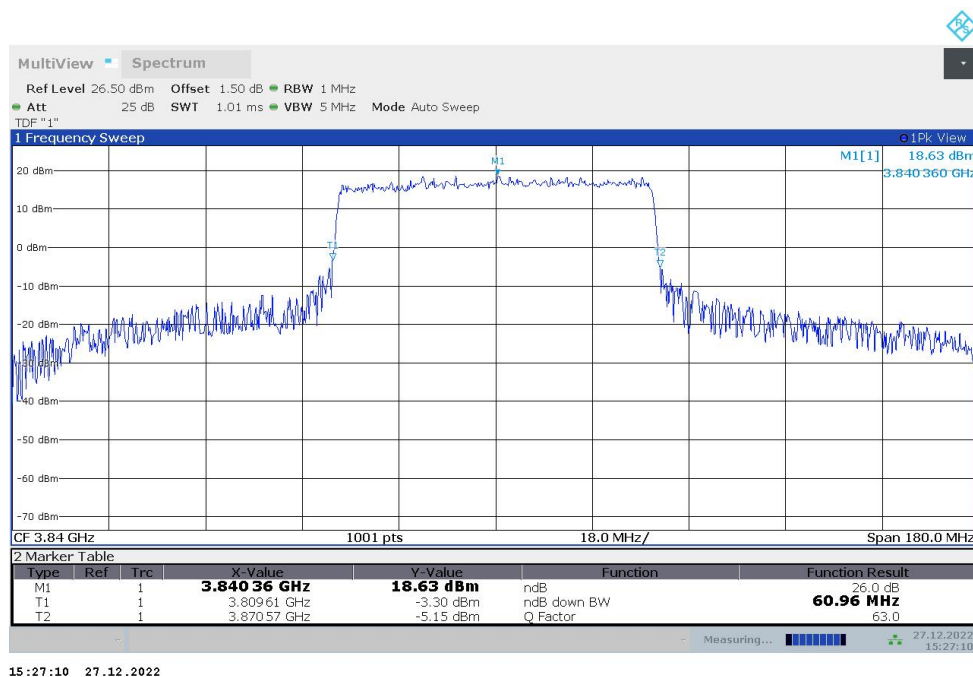
# LTE Band 66+NR n77H n77H,60MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	60.780	60.960

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



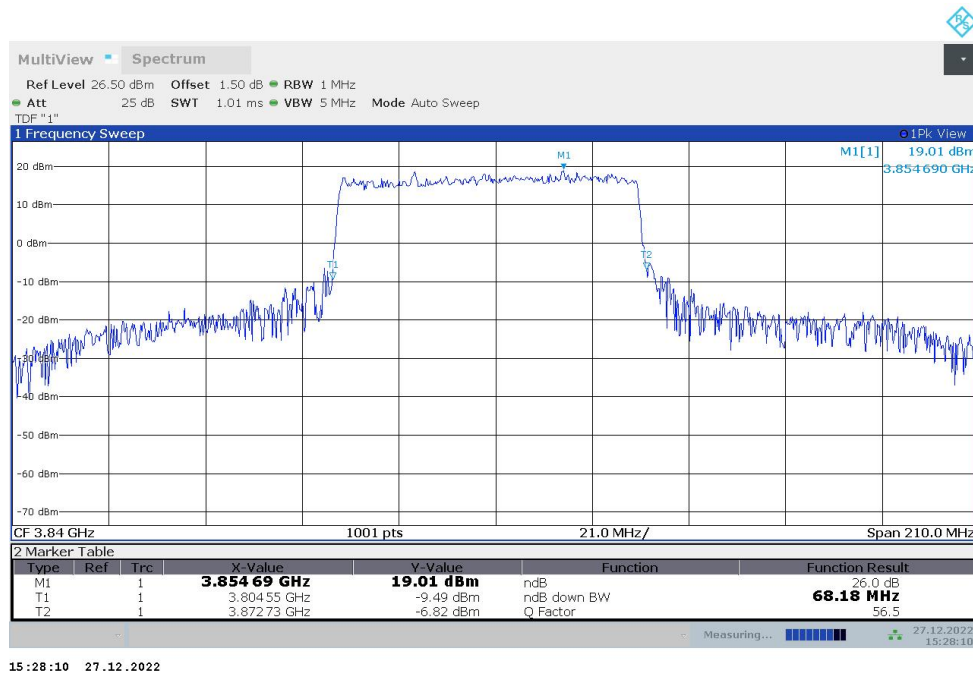
## n77H,60MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



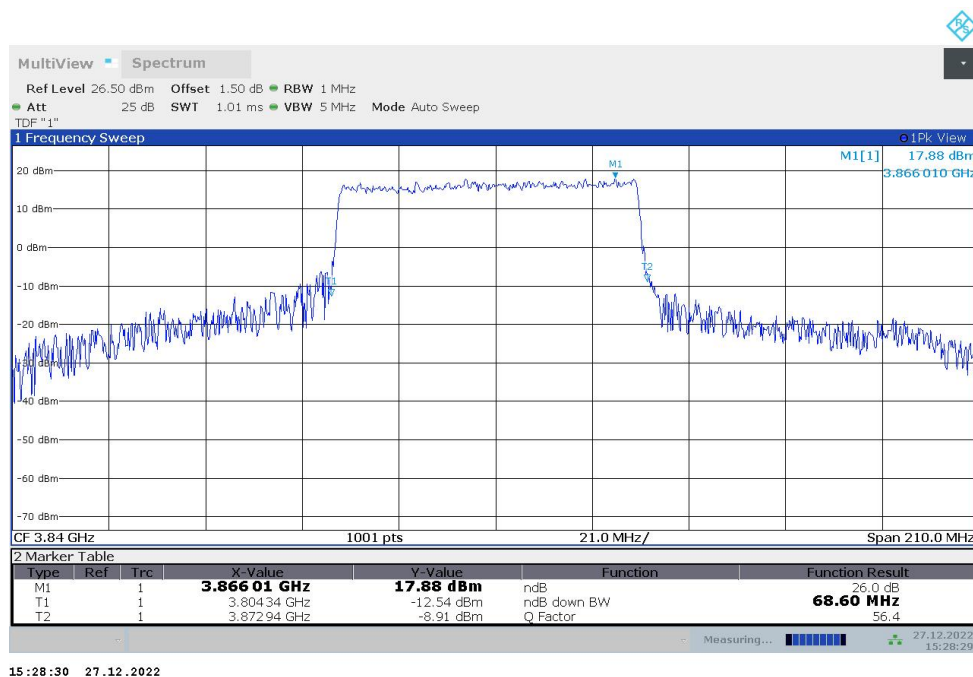
# LTE Band 66+NR n77H n77H,70MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	68.180	68.600

## n77H,70MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



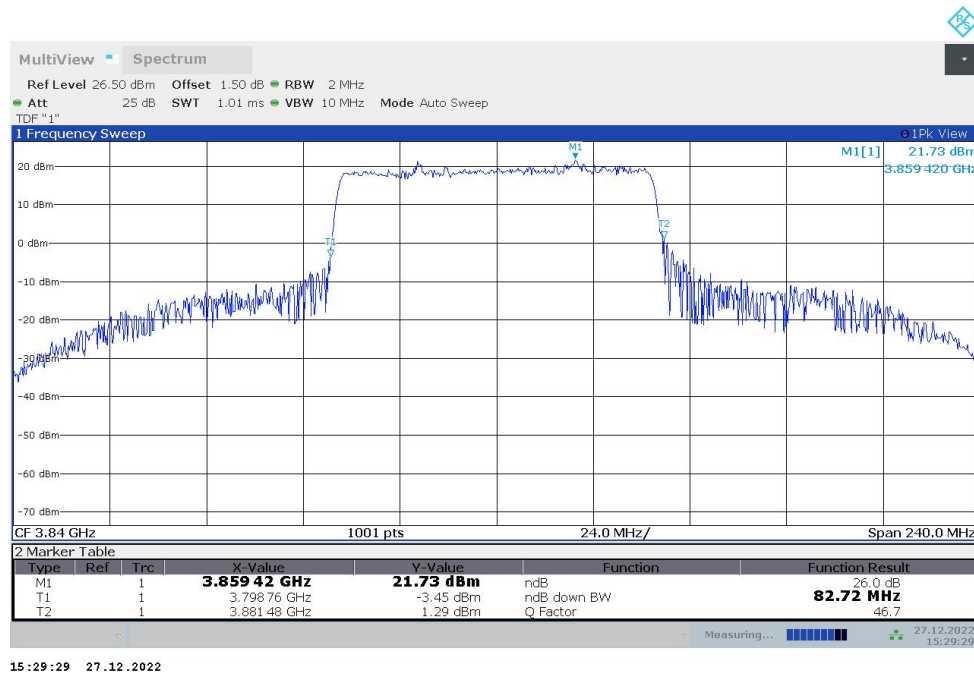
## n77H,70MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



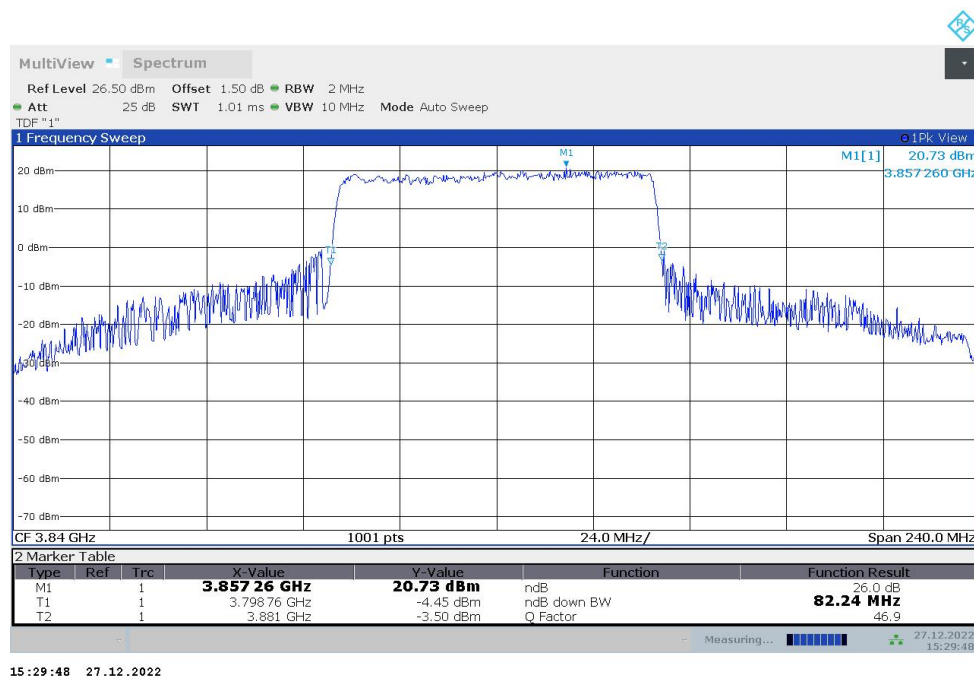
# LTE Band 66+NR n77H n77H,80MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	82.720	82.240

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



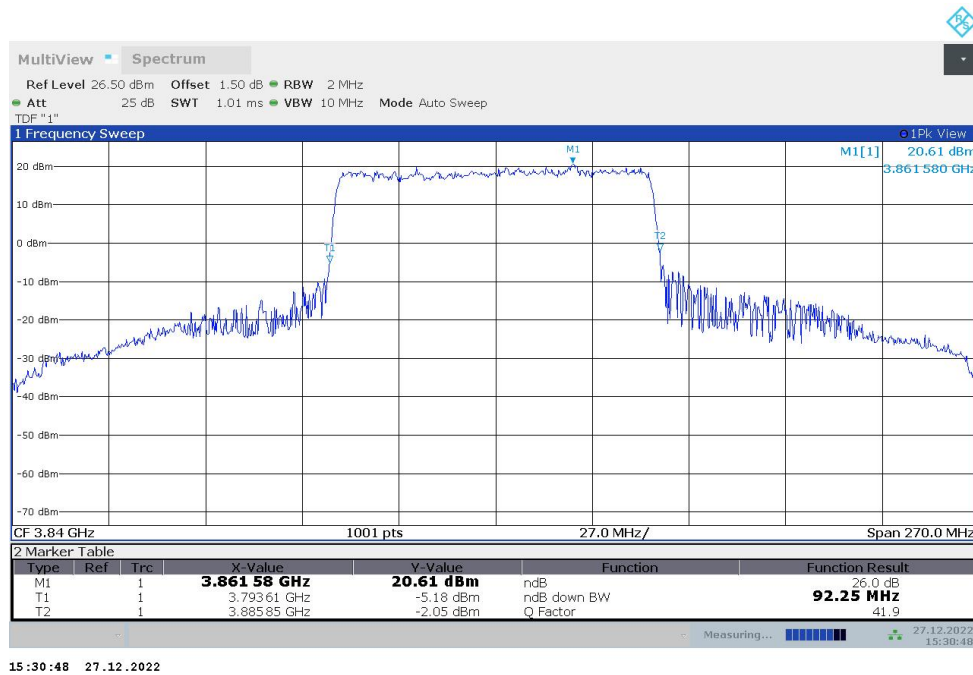
## n77H,80MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



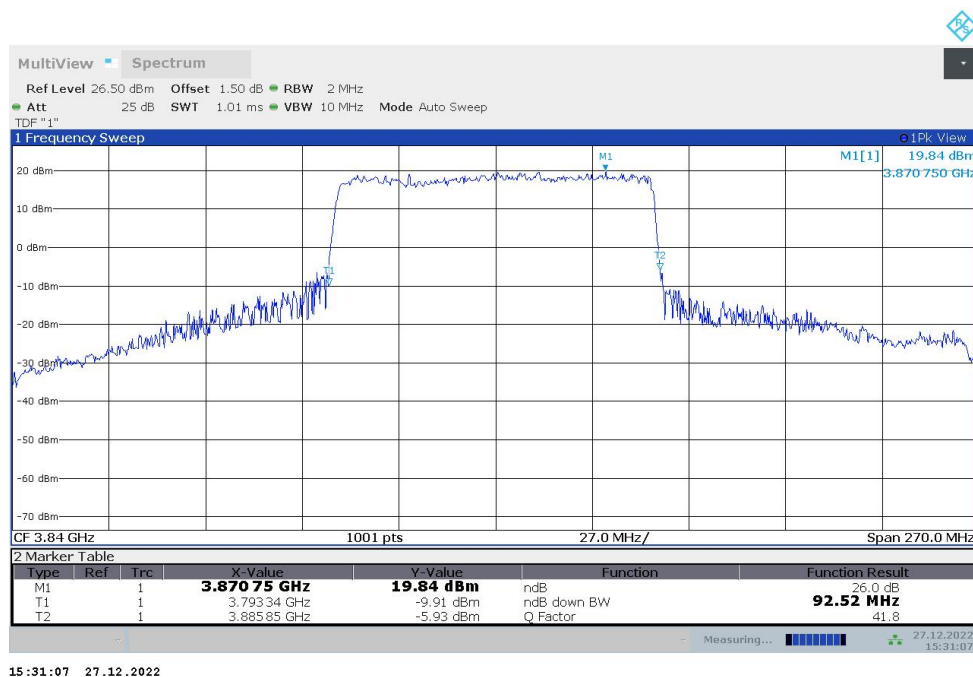
# LTE Band 66+NR n77H n77H,90MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	92.250	92.520

## n77H,90MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



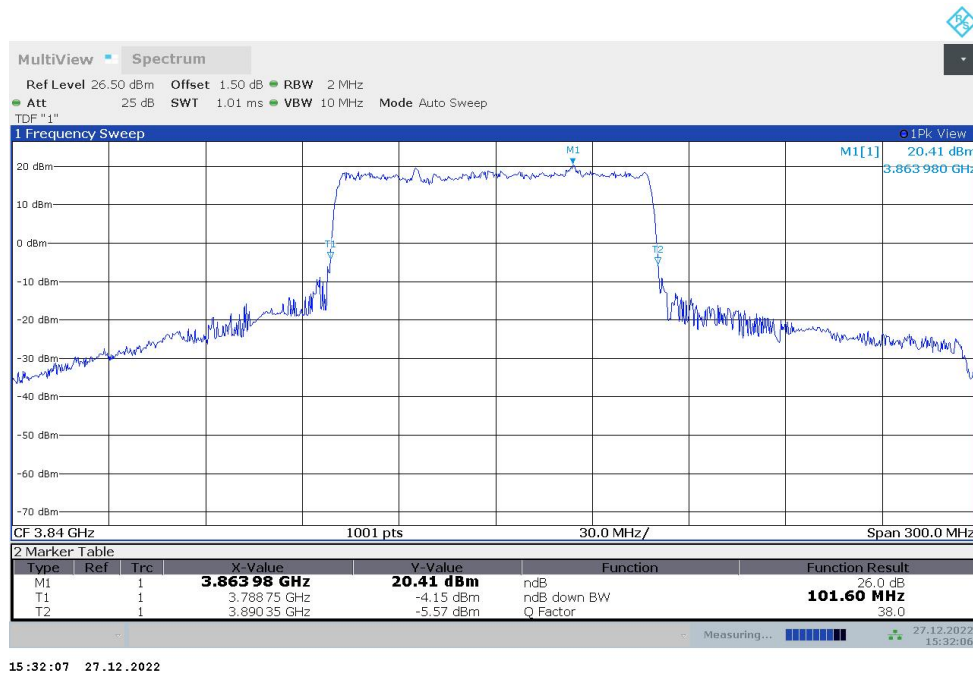
## n77H,90MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



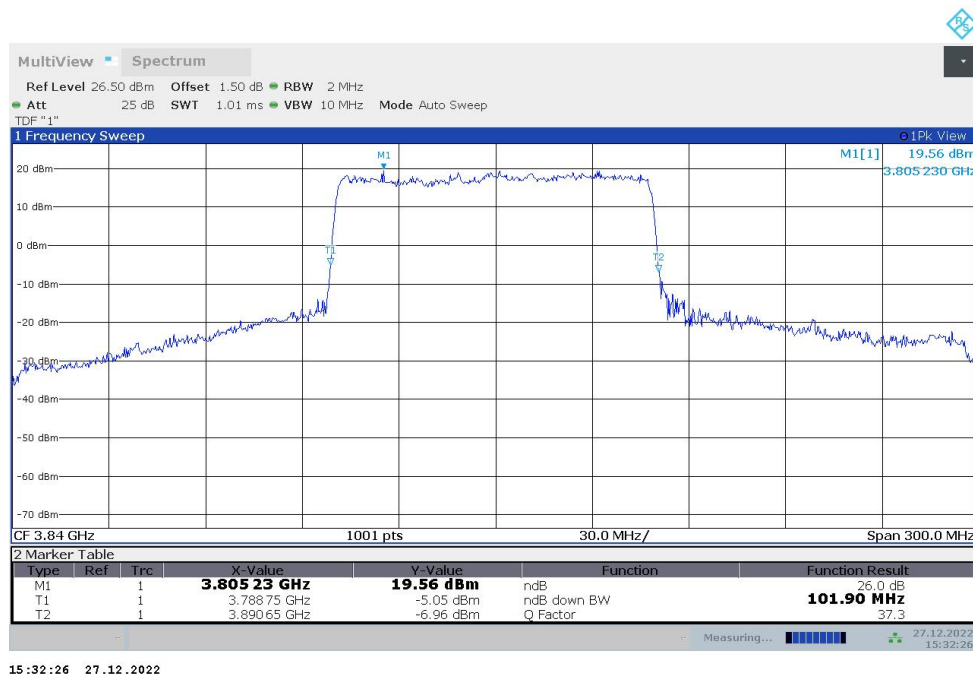
# LTE Band 66+NR n77H n77H,100MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	101.600	101.900

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



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



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



## **A.5 Band Edge Compliance**

### **A.5.1 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(n) states for mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

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

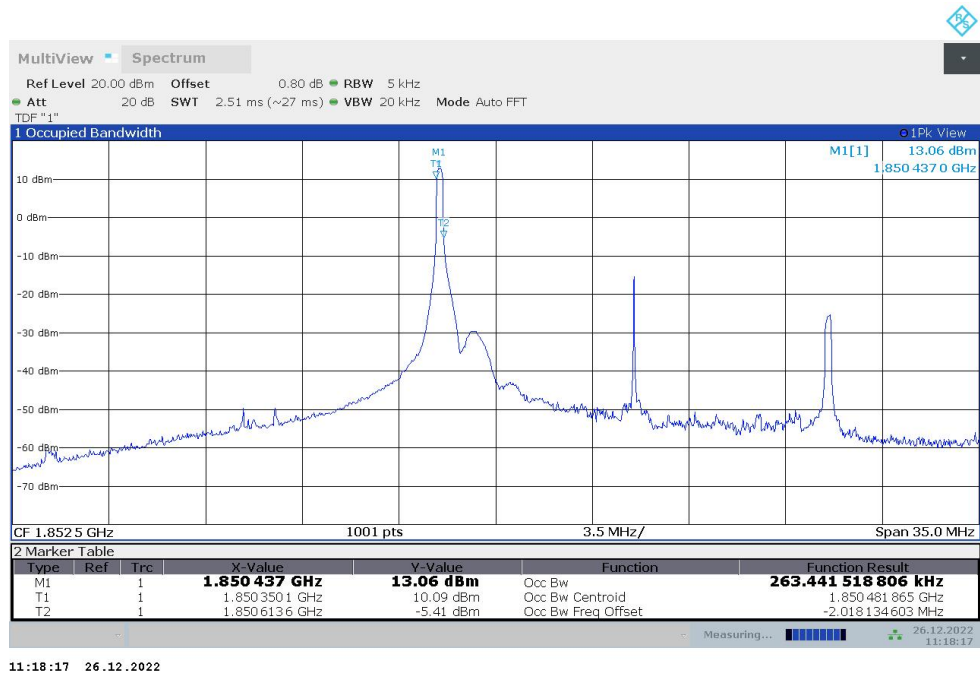
Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

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

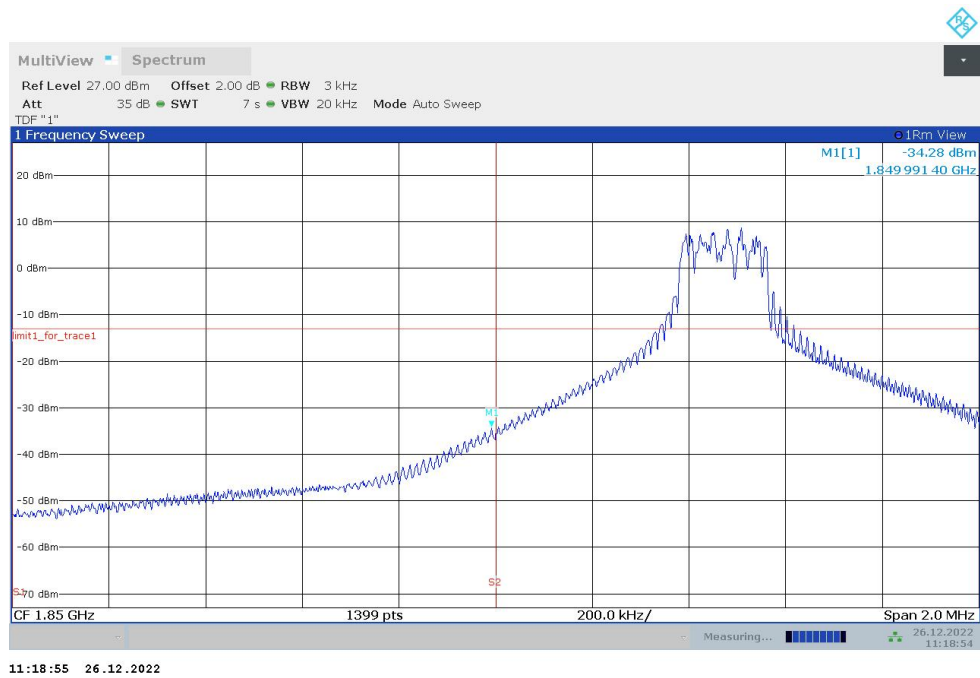
## A.5.2 Measurement result

LTE Band 13+NR n2

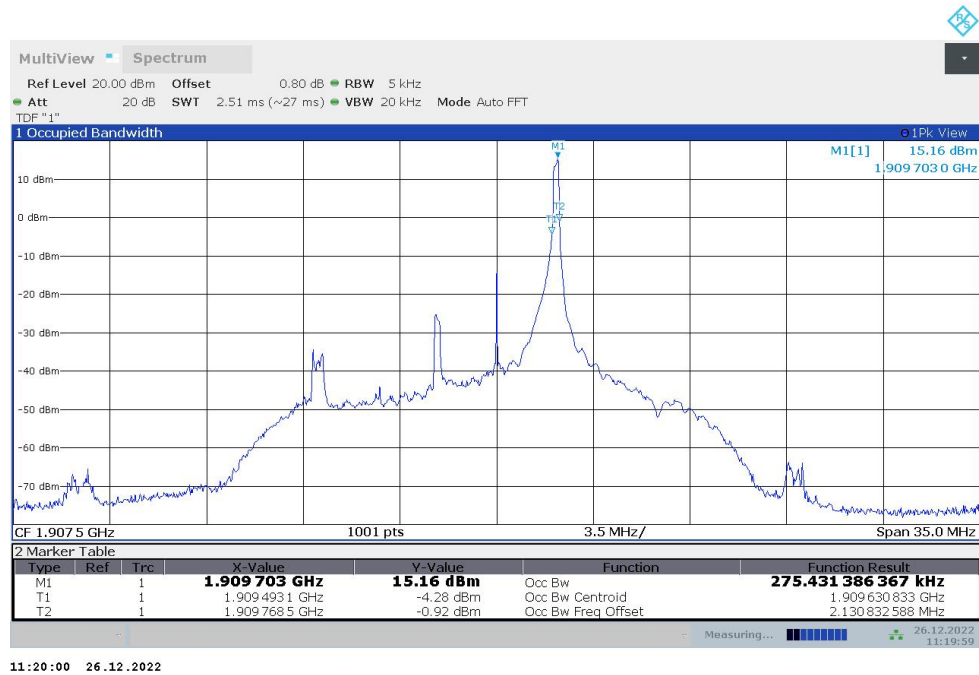
OBW: 1RB-LOW\_offset



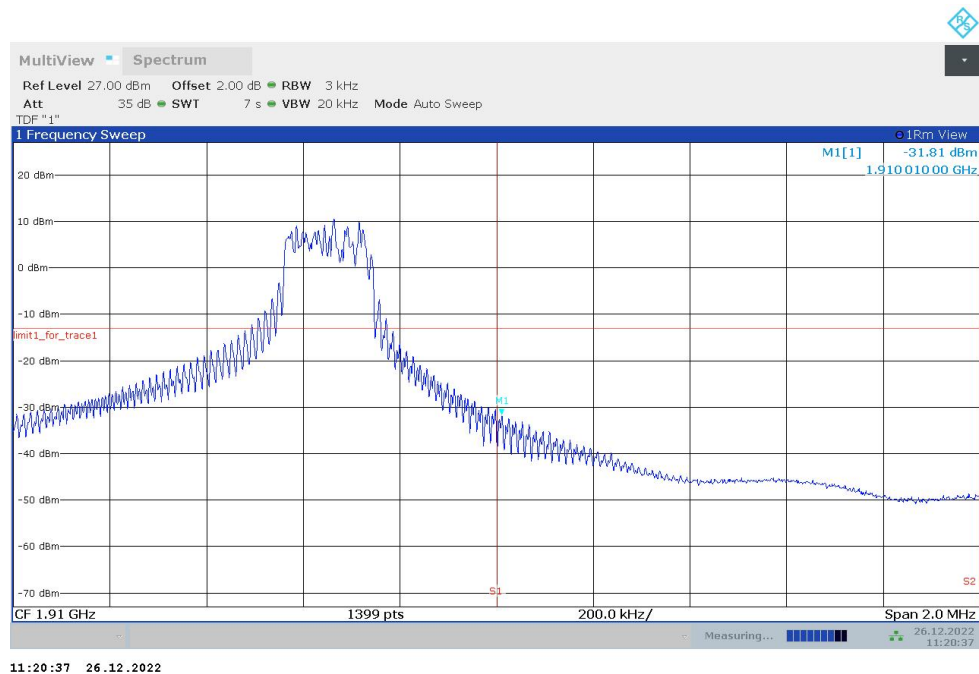
## LOW BAND EDGE BLOCK-1RB-LOW\_offset



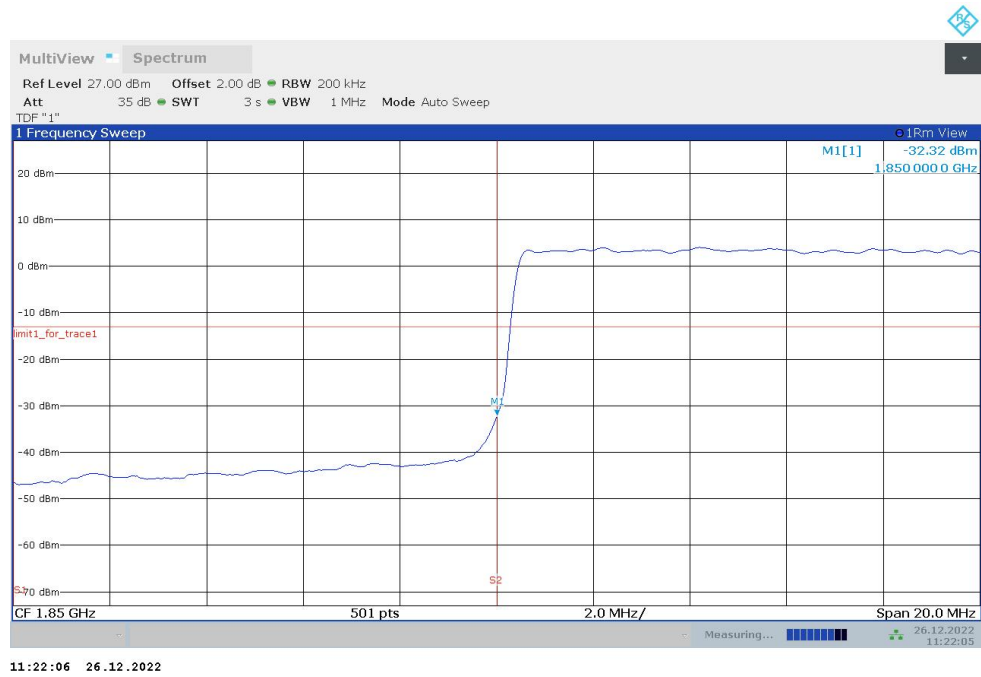
## OBW: 1RB-HIGH\_offset



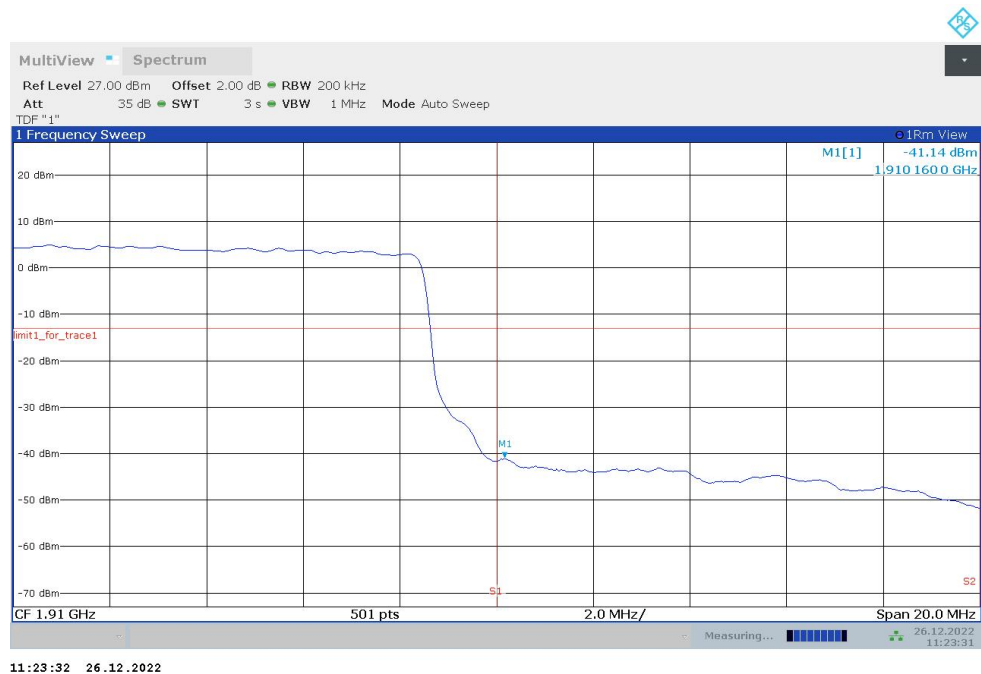
## HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



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

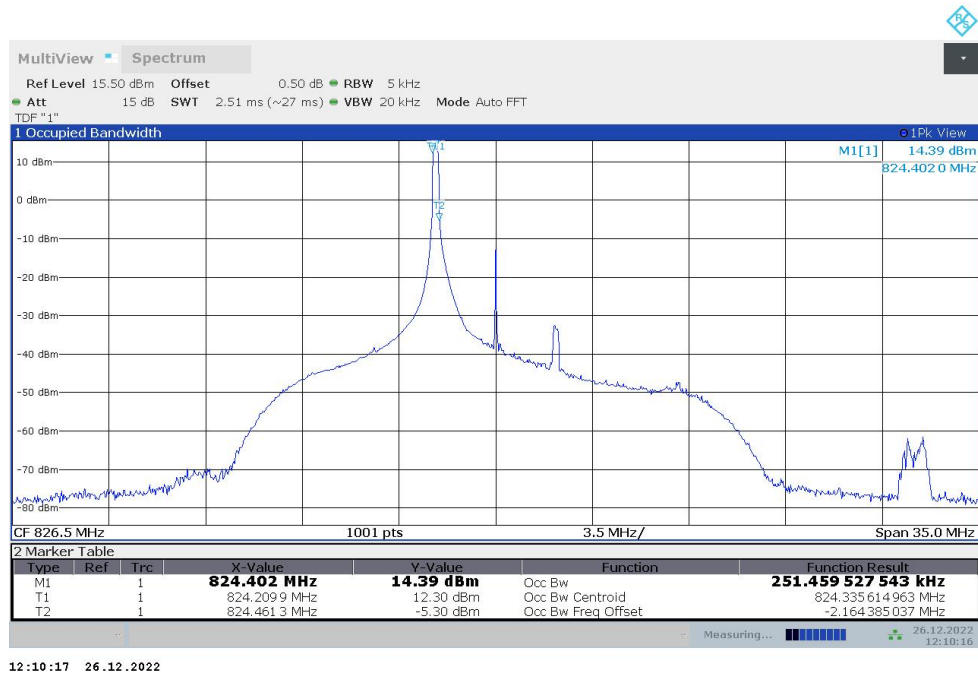


## HIGH BAND EDGE BLOCK-20M-100%RB

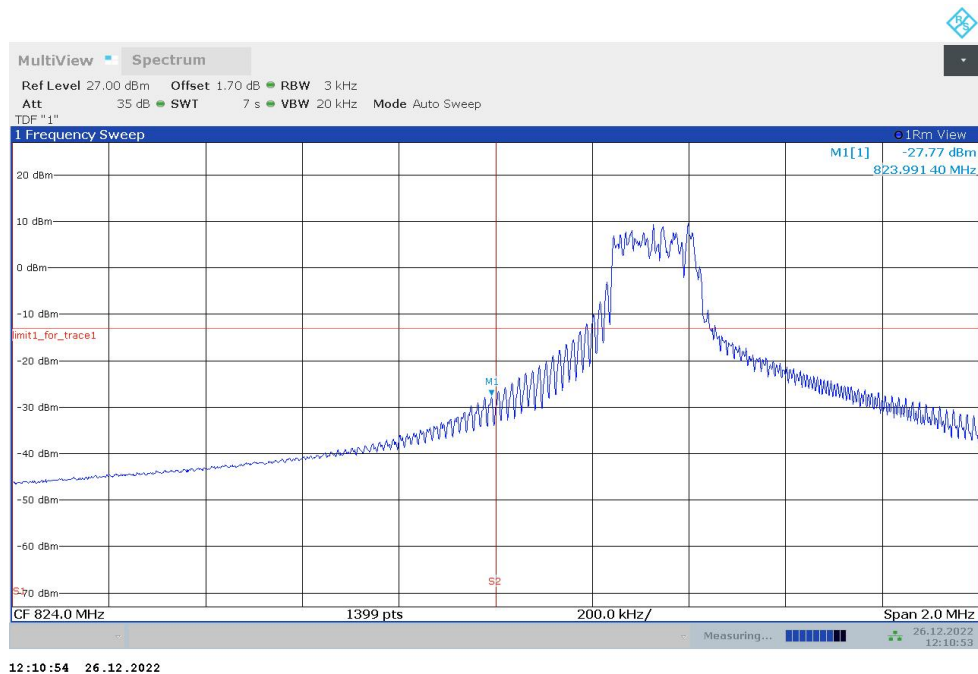


## LTE Band 2+NR n5

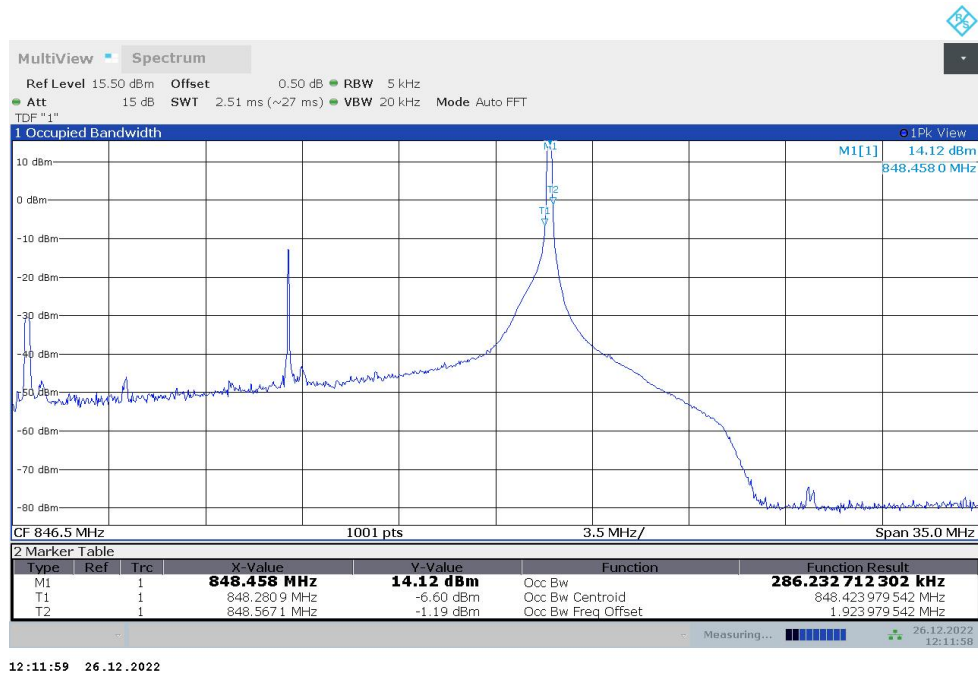
OBW: 1RB-LOW\_offset



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



## OBW: 1RB-HIGH\_offset



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

