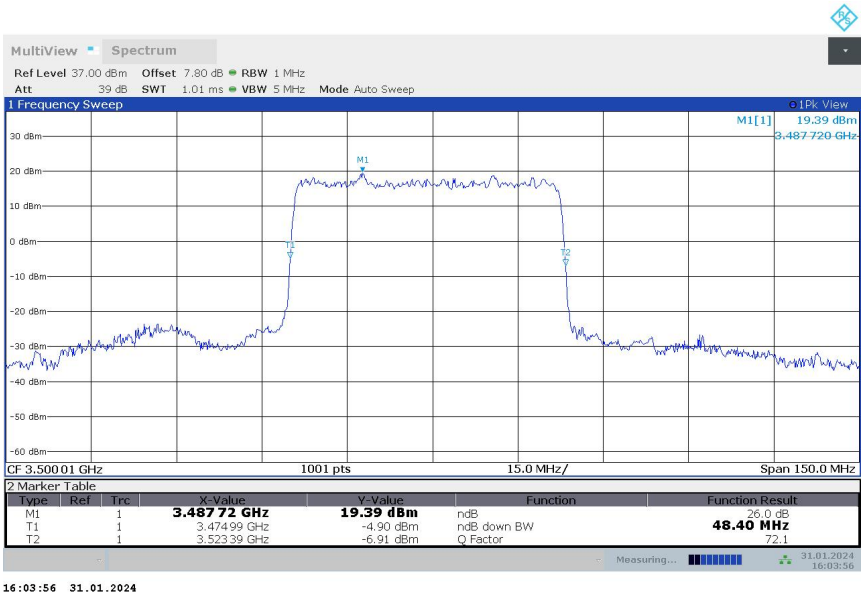
n77L

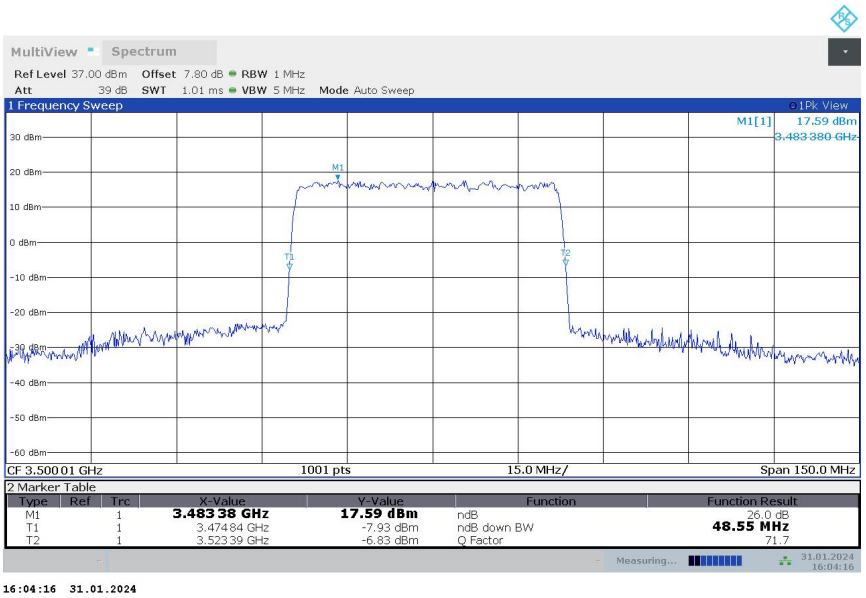
n77L,50MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	48.400	48.550

n77L,50MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n77L,50MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

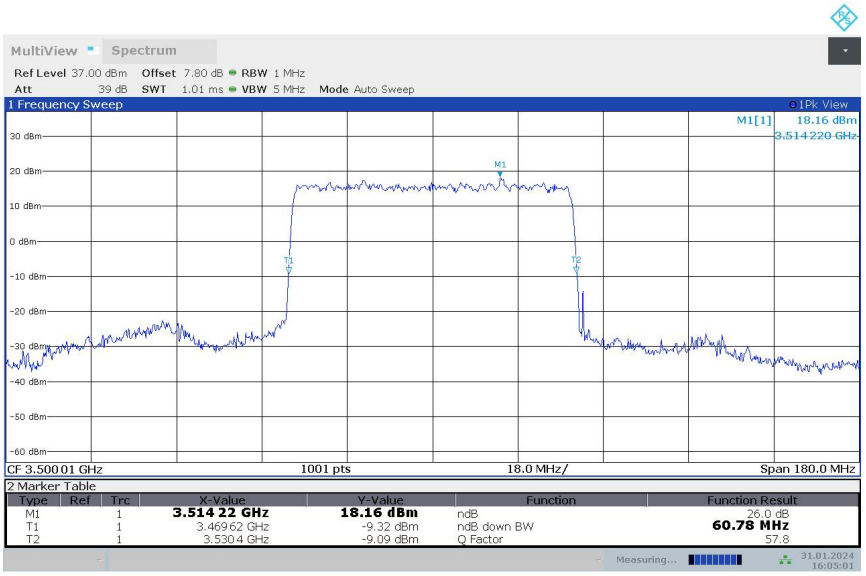


n77L

n77L,60MHz(-26dBc)

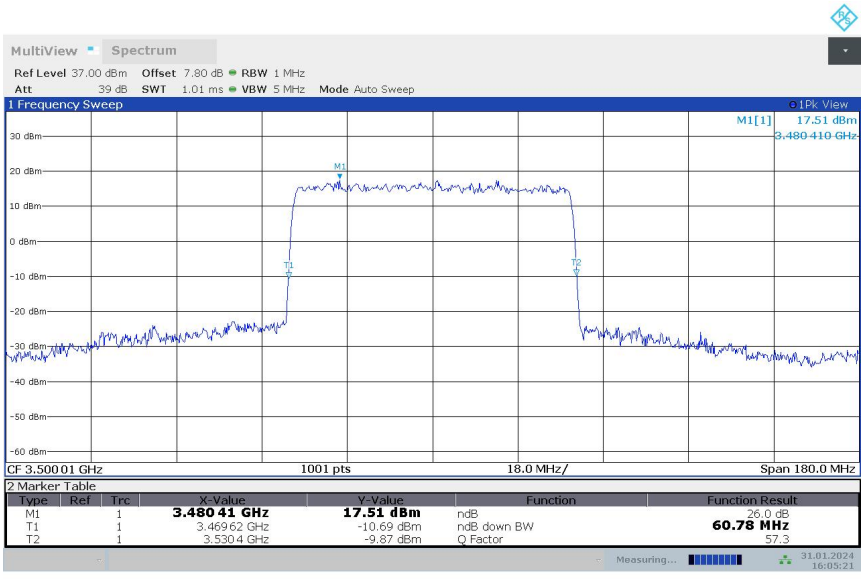
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	60.780	60.780

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



16:05:01 31.01.2024

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



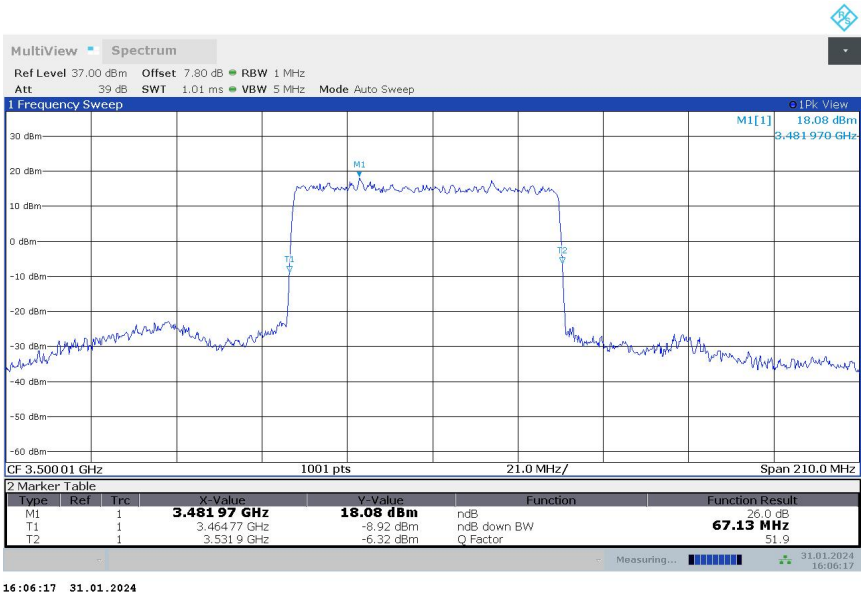
16:05:22 31.01.2024

n77L

n77L,70MHz(-26dBc)

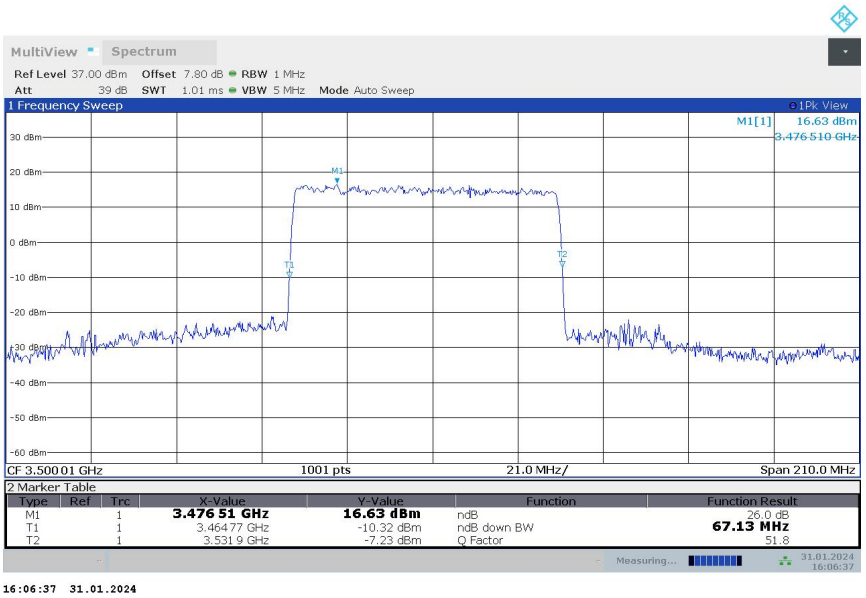
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	67.130	67.130

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



16:06:17 31.01.2024

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



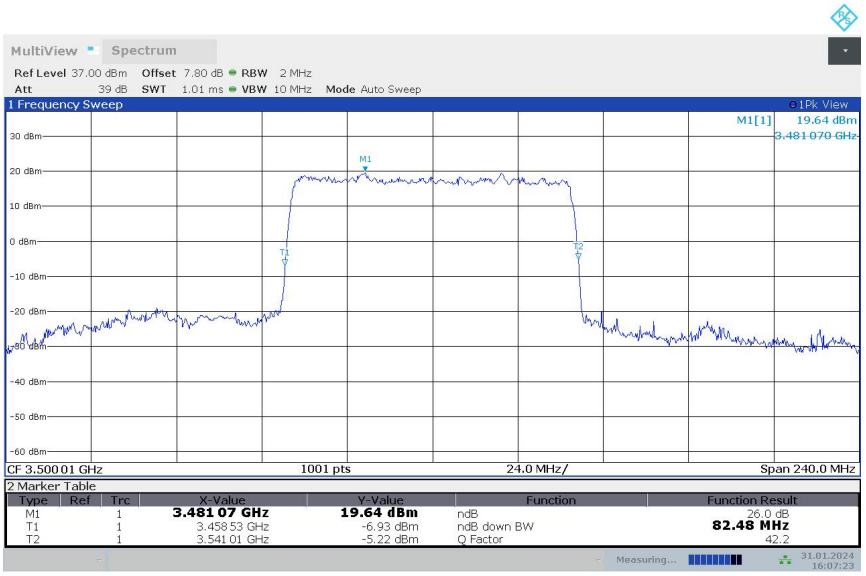
16:06:37 31.01.2024

n77L

n77L,80MHz(-26dBc)

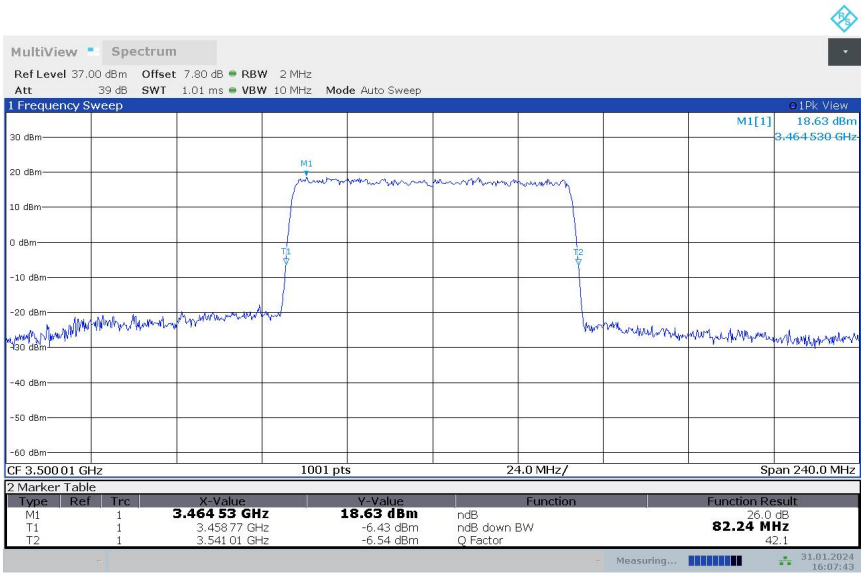
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	82.480	82.240

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



16:07:23 31.01.2024

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



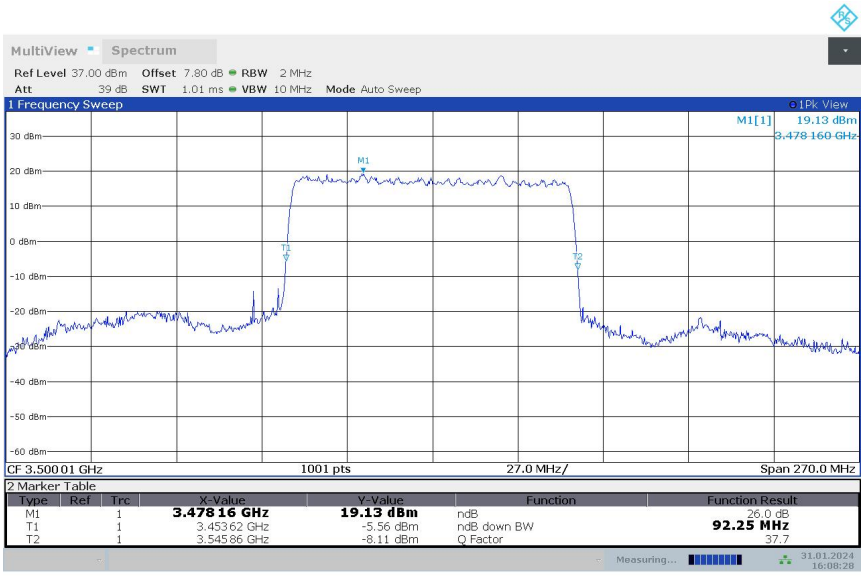
16:07:43 31.01.2024

n77L

n77L,90MHz(-26dBc)

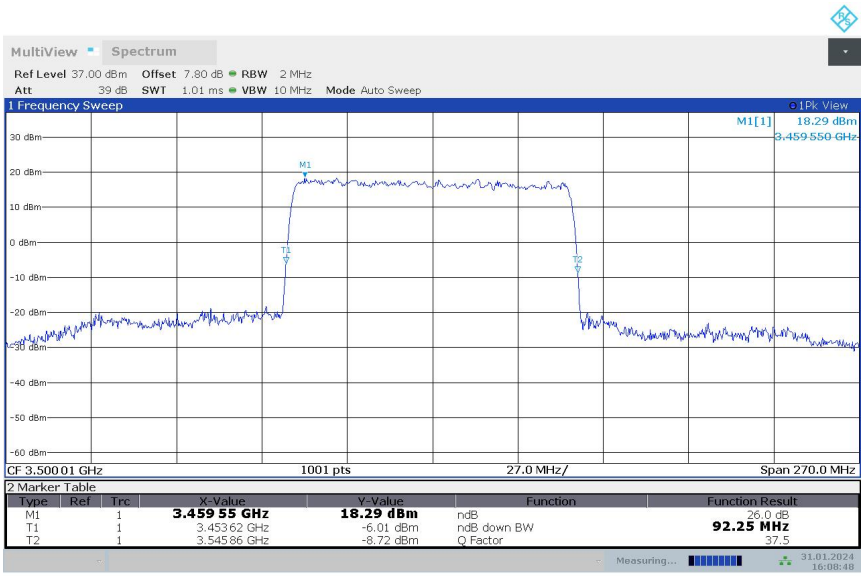
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	92.250	92.250

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



16:08:29 31.01.2024

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



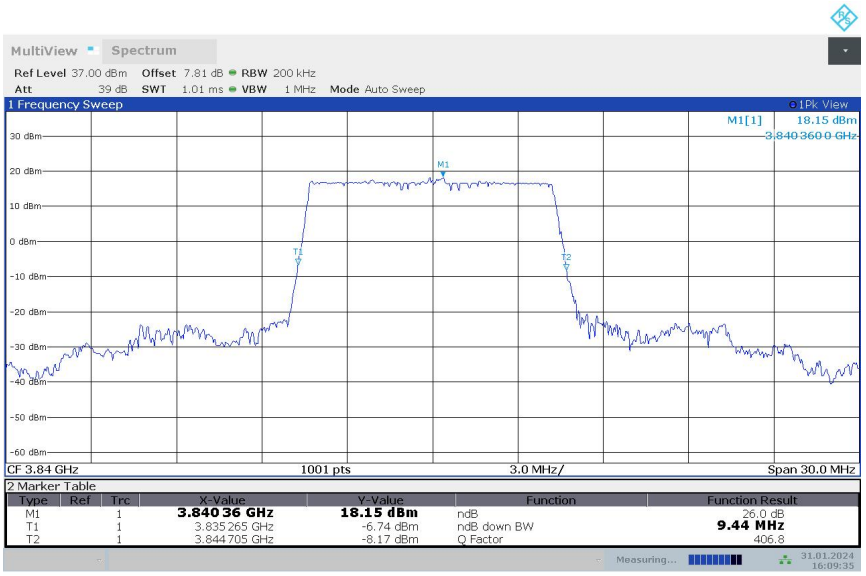
16:08:49 31.01.2024

n77H

n77H,10MHz(-26dBc)

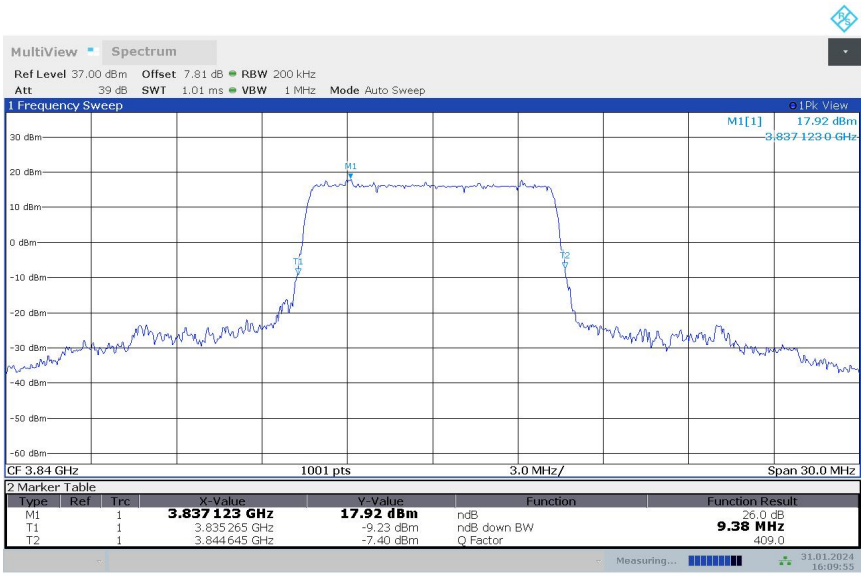
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	9.441	9.381

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



16:09:36 31.01.2024

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



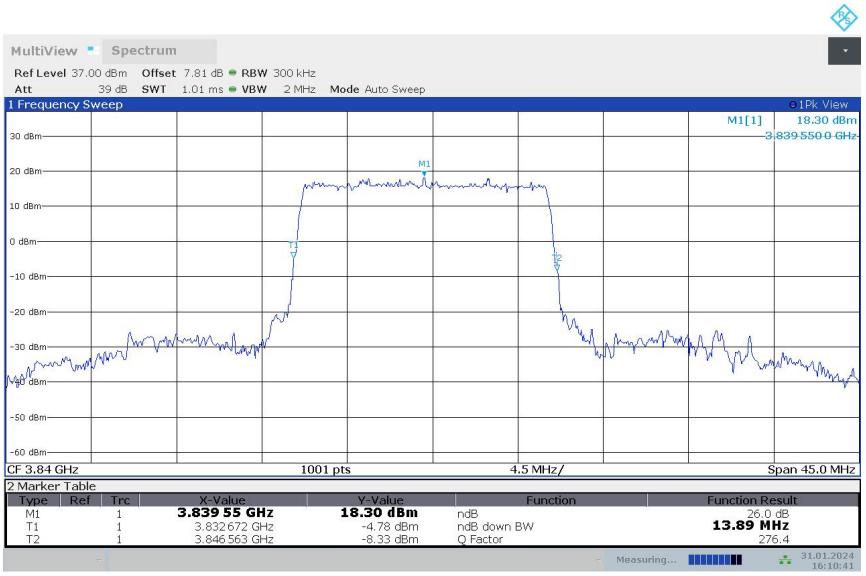
16:09:56 31.01.2024

n77H

n77H,15MHz(-26dBc)

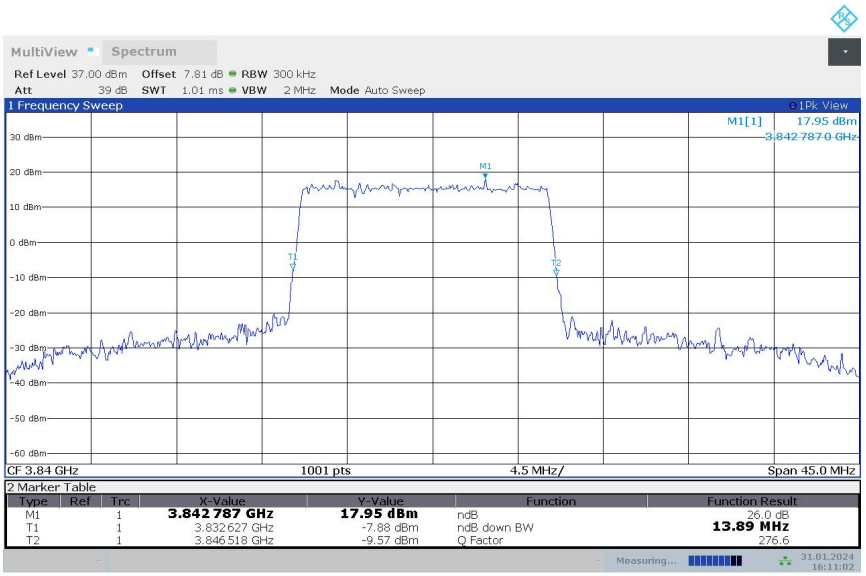
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	13.891	13.891

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



16:10:42 31.01.2024

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



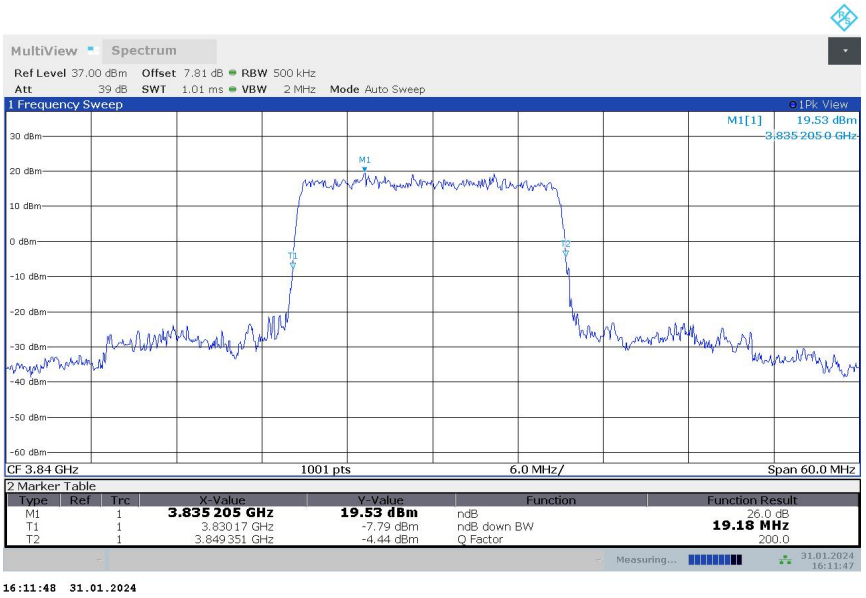
16:11:02 31.01.2024

n77H

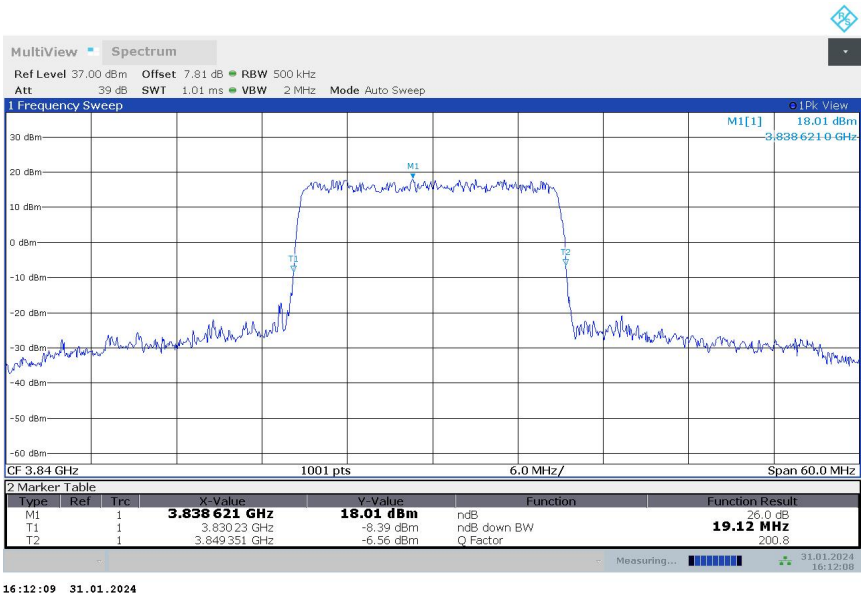
n77H,20MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	19.181	19.121

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



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

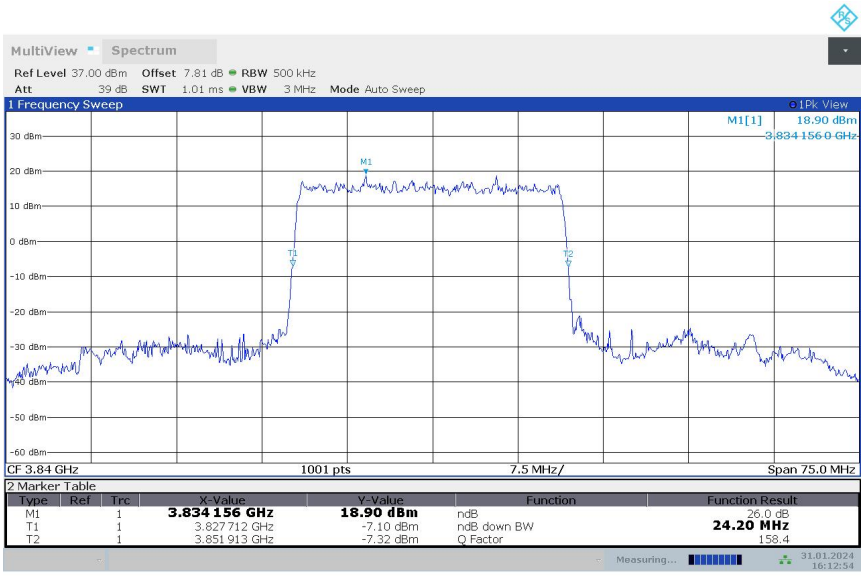


n77H

n77H,25MHz(-26dBc)

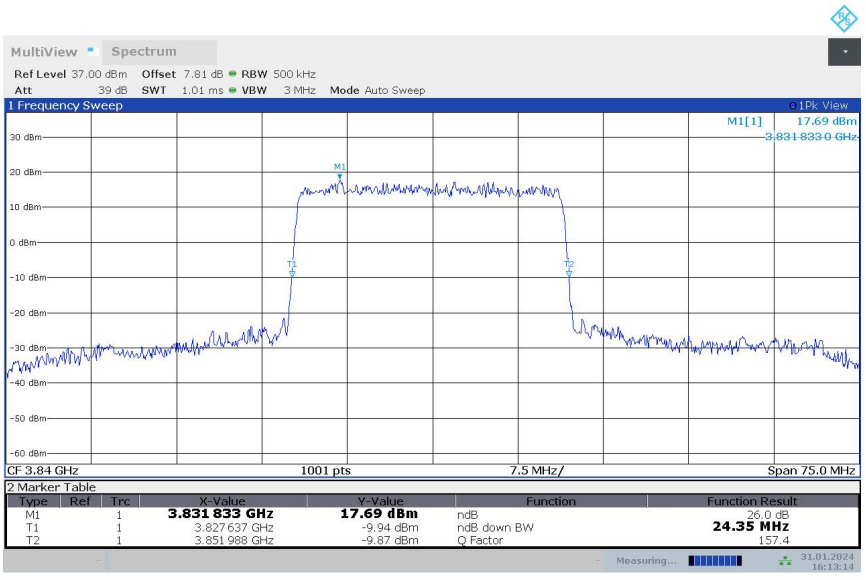
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	24.201	24.351

n77H,25MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



16:12:54 31.01.2024

n77H,25MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



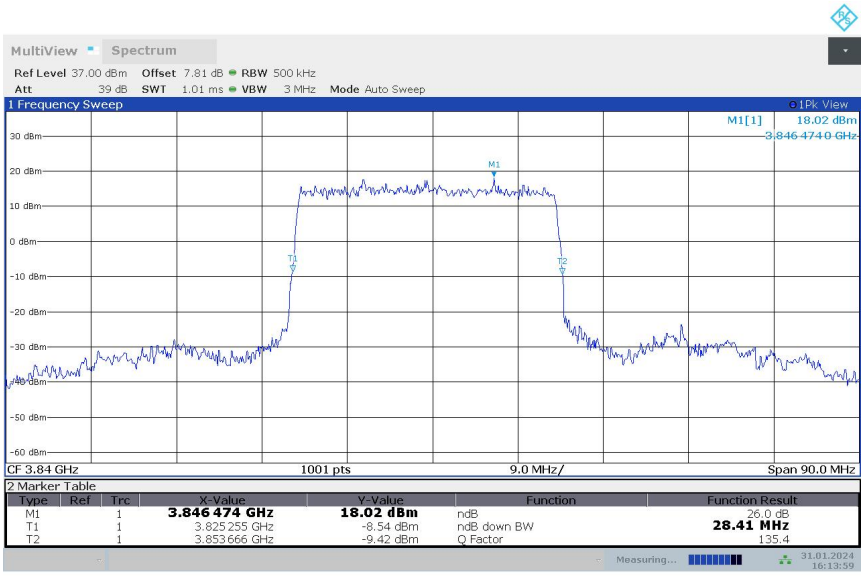
16:13:15 31.01.2024

n77H

n77H,30MHz(-26dBc)

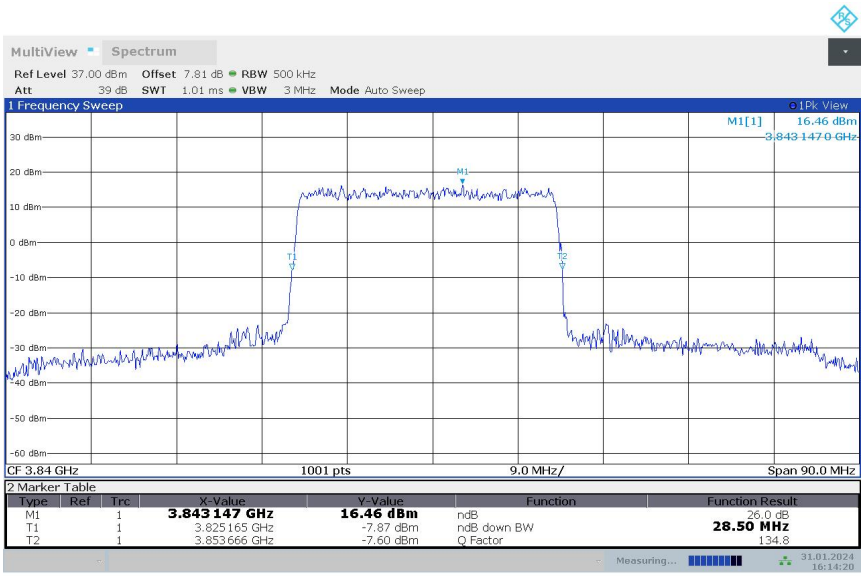
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	28.412	28.501

n77H,30MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



16:14:00 31.01.2024

n77H,30MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



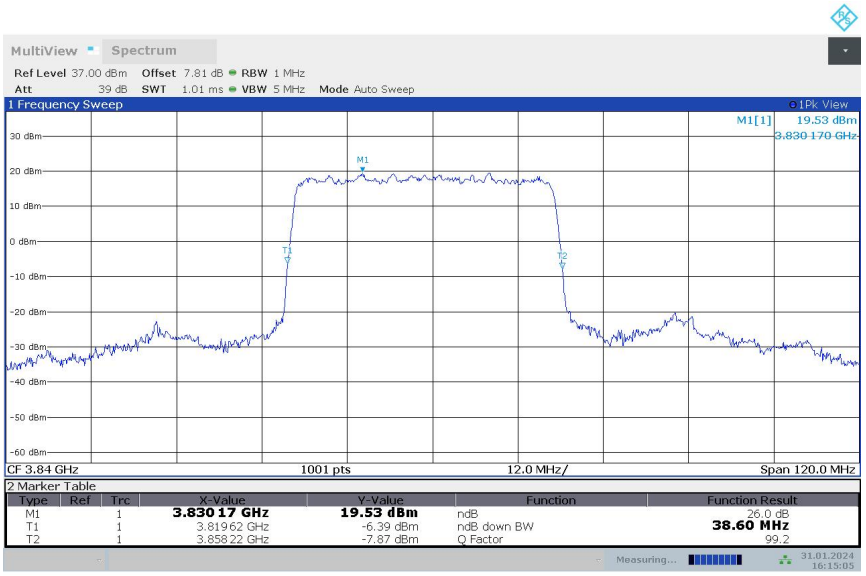
16:14:20 31.01.2024

n77H

n77H,40MHz(-26dBc)

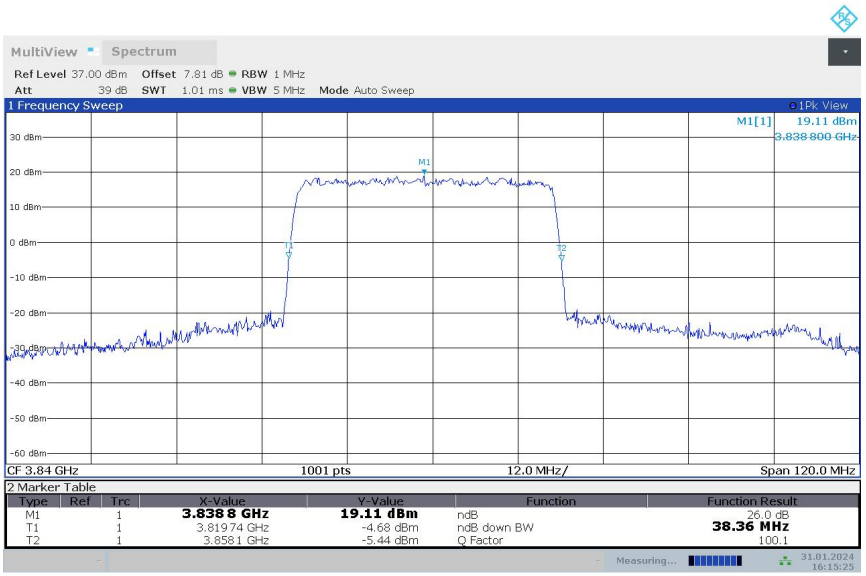
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	38.600	38.360

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



16:15:06 31.01.2024

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



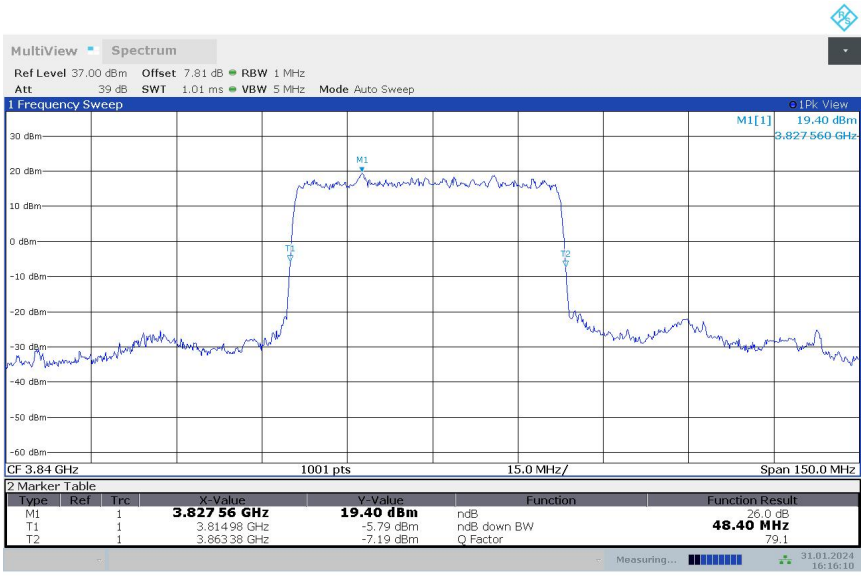
16:15:26 31.01.2024

n77H

n77H,50MHz(-26dBc)

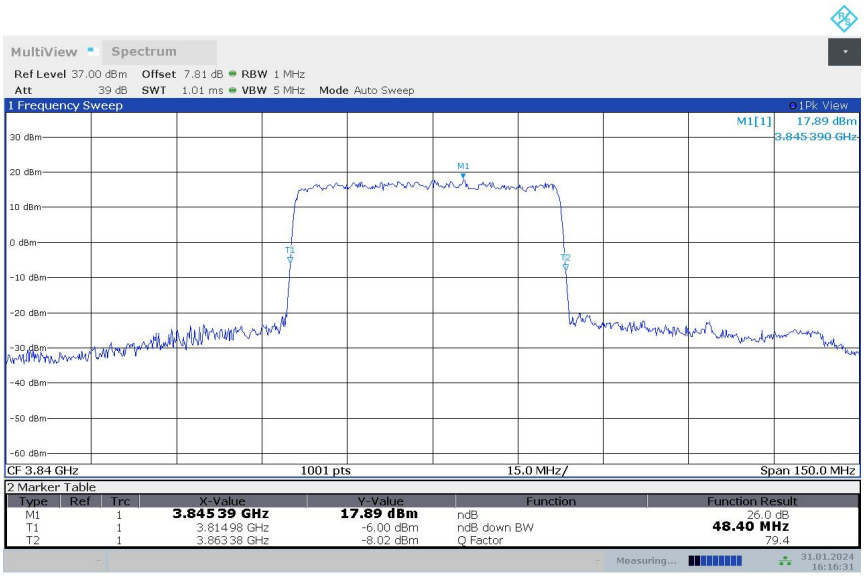
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	48.400	48.400

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



16:16:11 31.01.2024

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



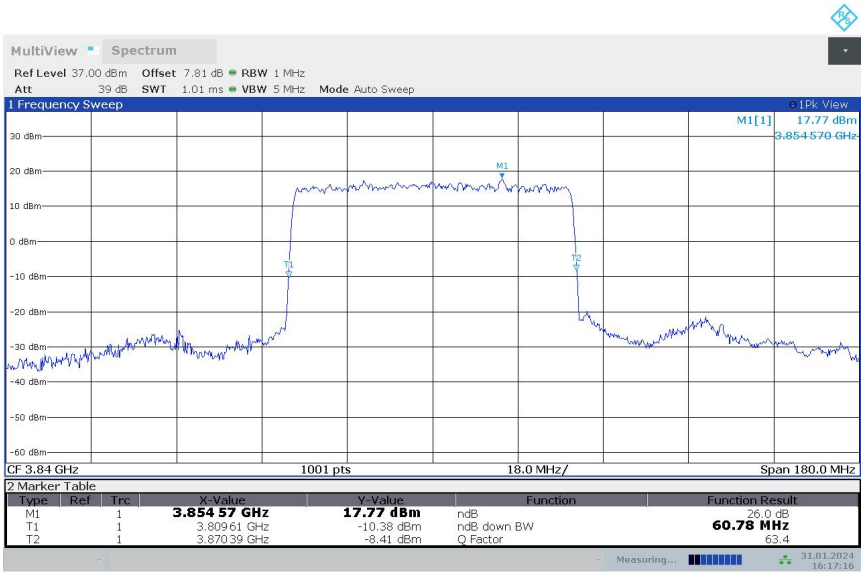
16:16:31 31.01.2024

n77H

n77H,60MHz(-26dBc)

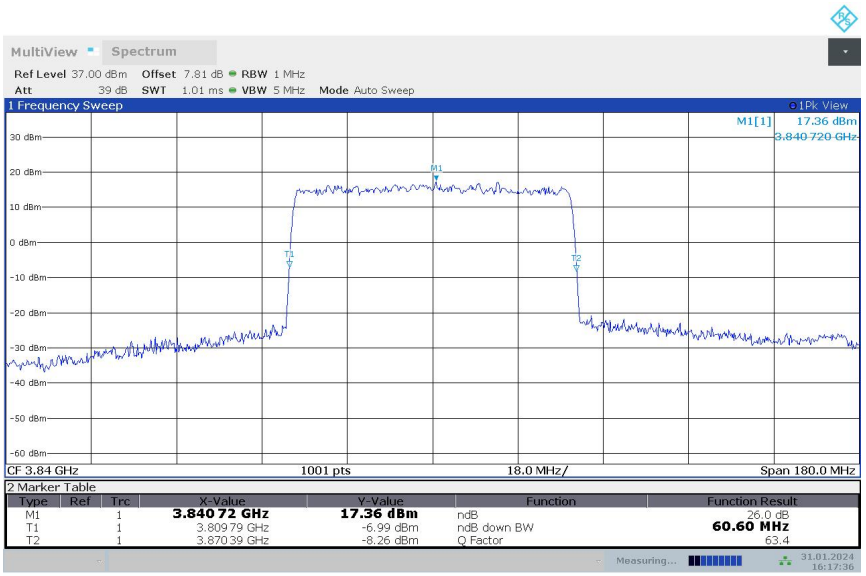
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	60.780	60.600

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



16:17:17 31.01.2024

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



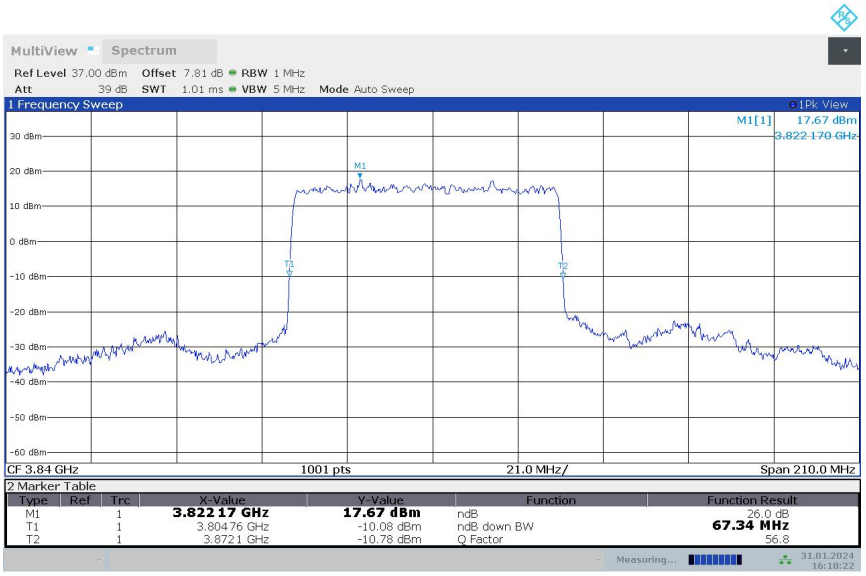
16:17:37 31.01.2024

n77H

n77H,70MHz(-26dBc)

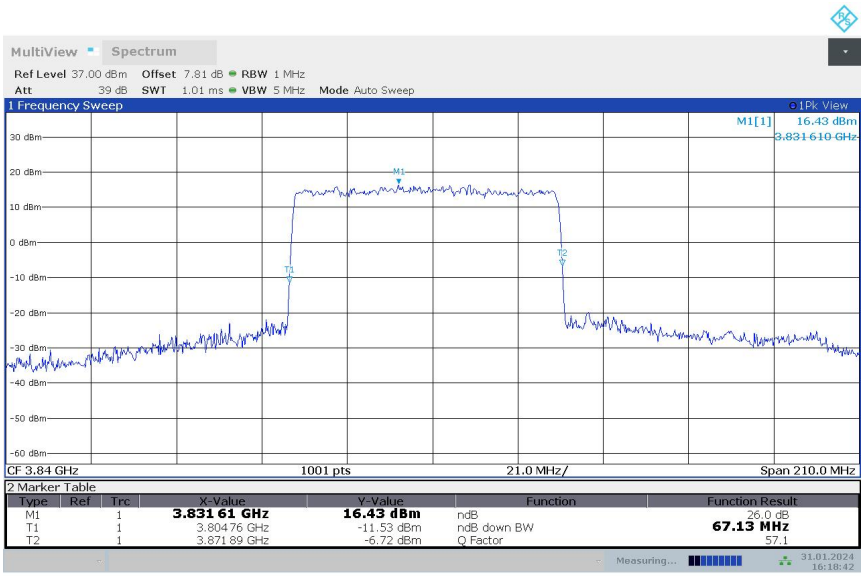
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	67.340	67.130

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



16:18:23 31.01.2024

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



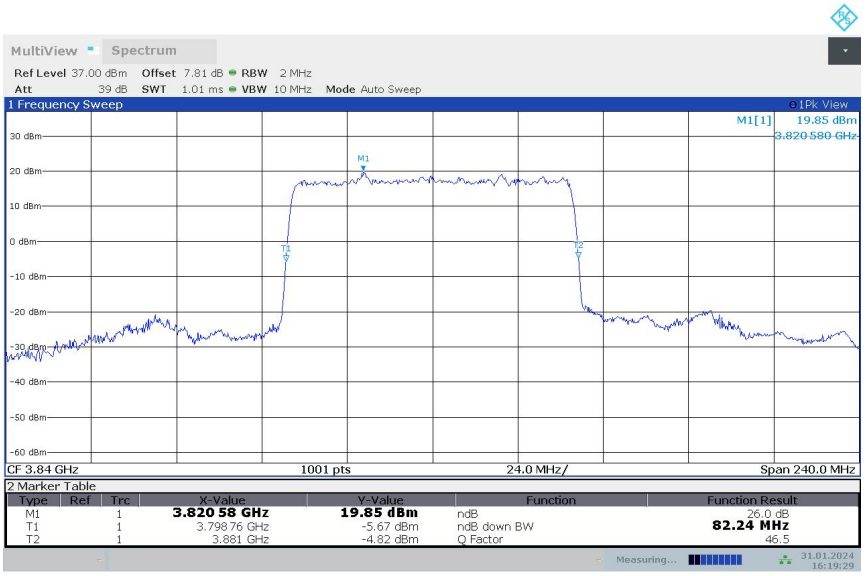
16:18:43 31.01.2024

n77H

n77H,80MHz(-26dBc)

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

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



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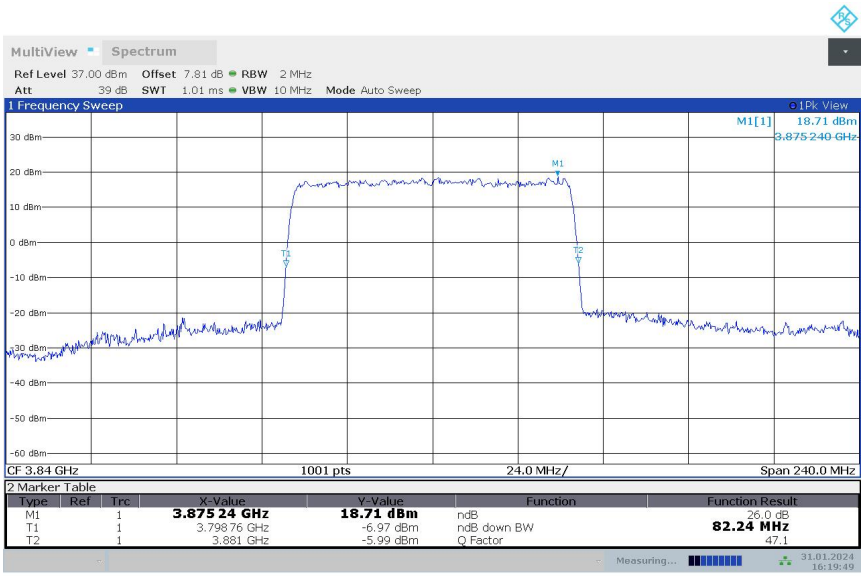
n77H,80MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



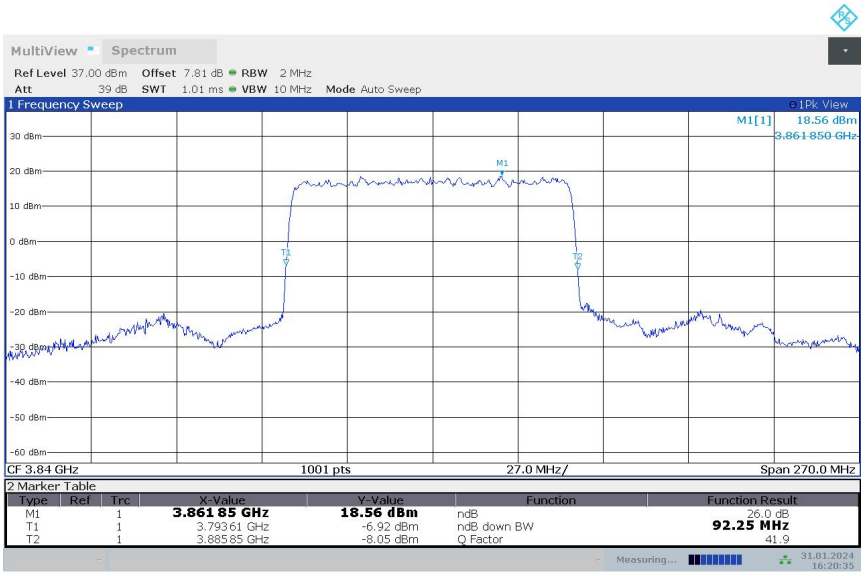
16:19:50 31.01.2024

n77H

n77H,90MHz(-26dBc)

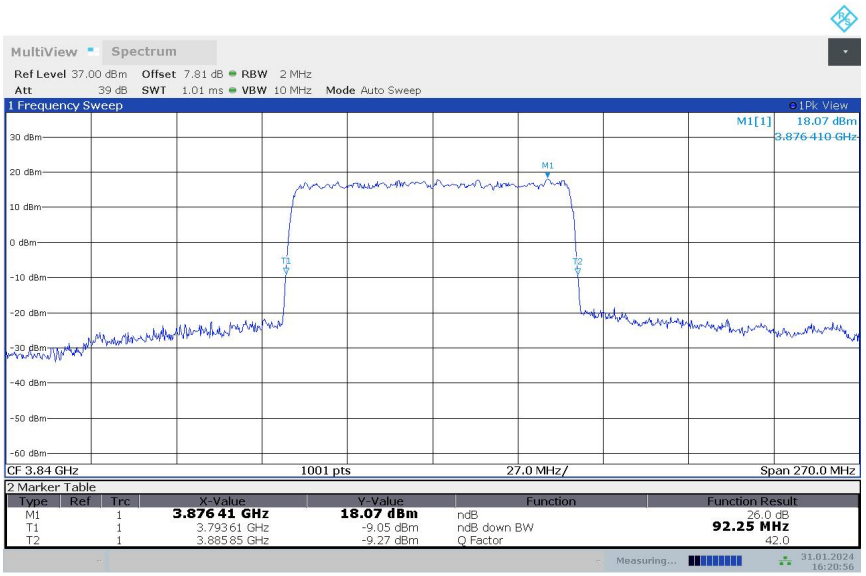
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	92.250	92.250

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



16:20:36 31.01.2024

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



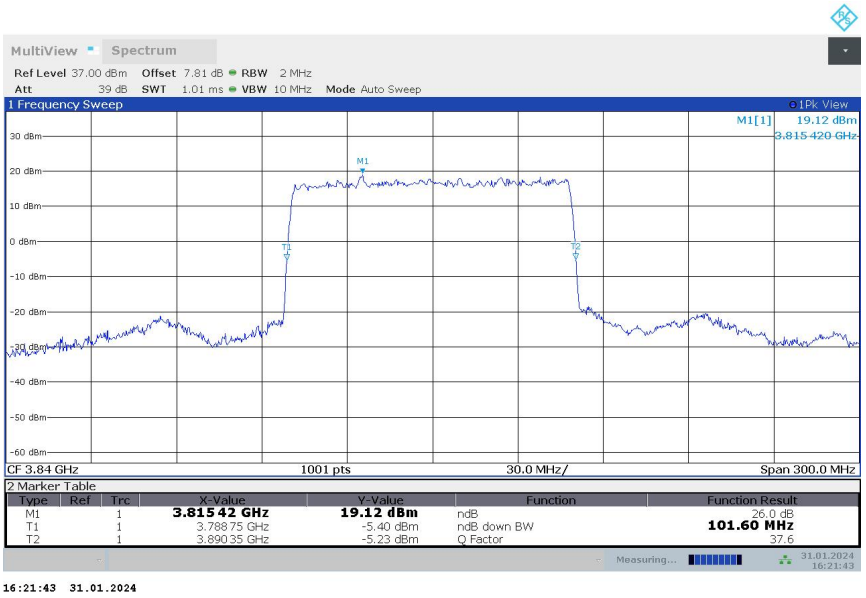
16:20:56 31.01.2024

n77H

n77H,100MHz(-26dBc)

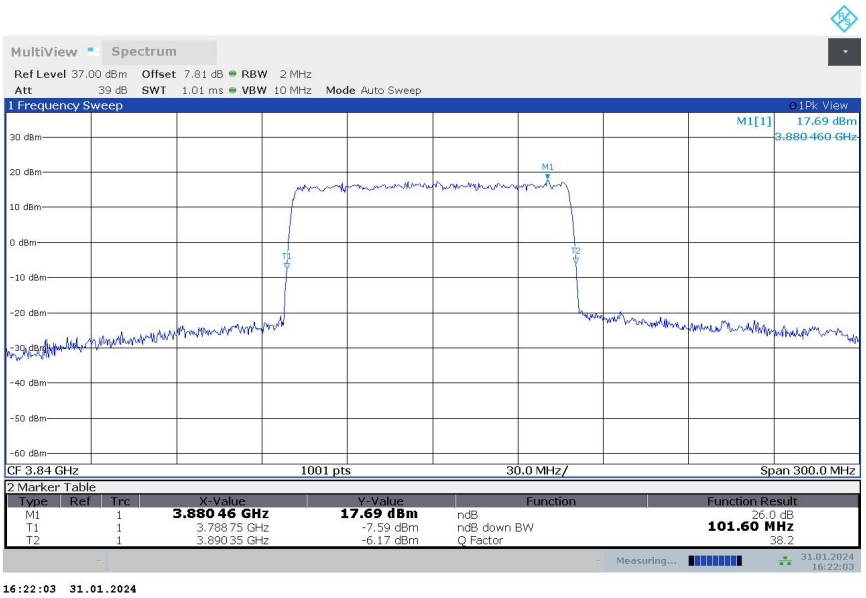
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	101.600	101.600

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



16:21:43 31.01.2024

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



16:22:03 31.01.2024

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

A.6 Band Edge Compliance

A.6.1 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 that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Part 27.53(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 27.53(n) states for mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

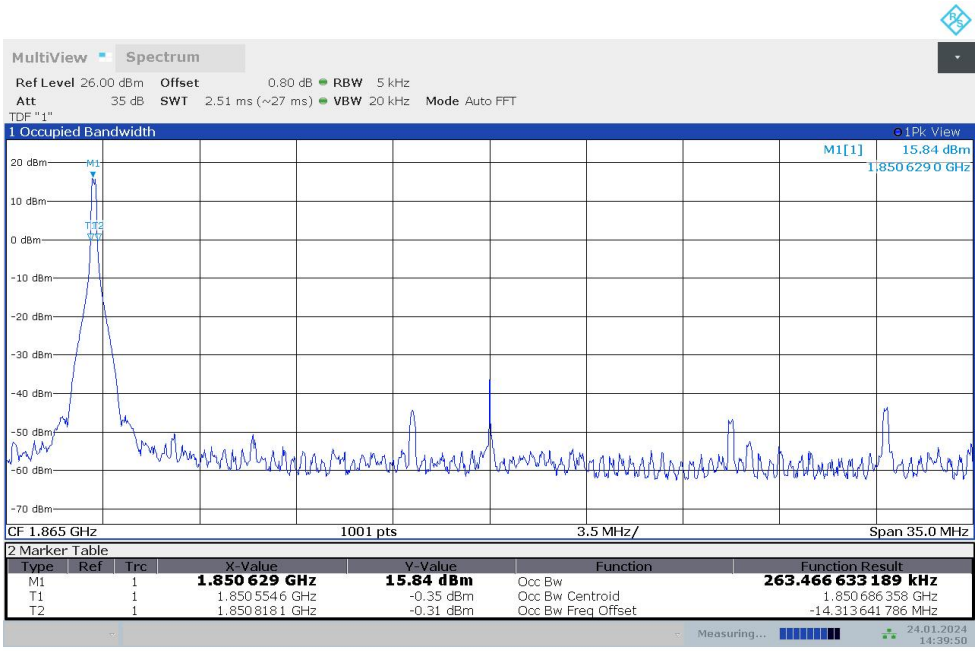
Part 27.53(l) states for mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz. Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all

emissions are attenuated at least 26 dB below the transmitter power.
The spectrum analyzer readings are corrected by [10 log (1/duty cycle)] for the non-continuous transmitting scenario.

A.6.2 Measurement result

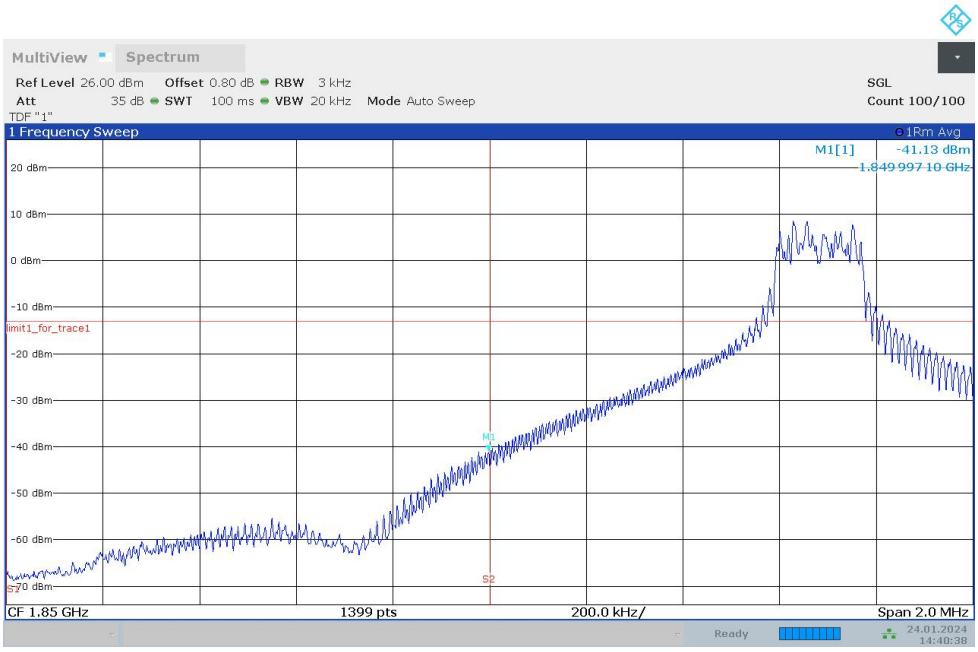
NR n25

OBW: 1RB-LOW_offset



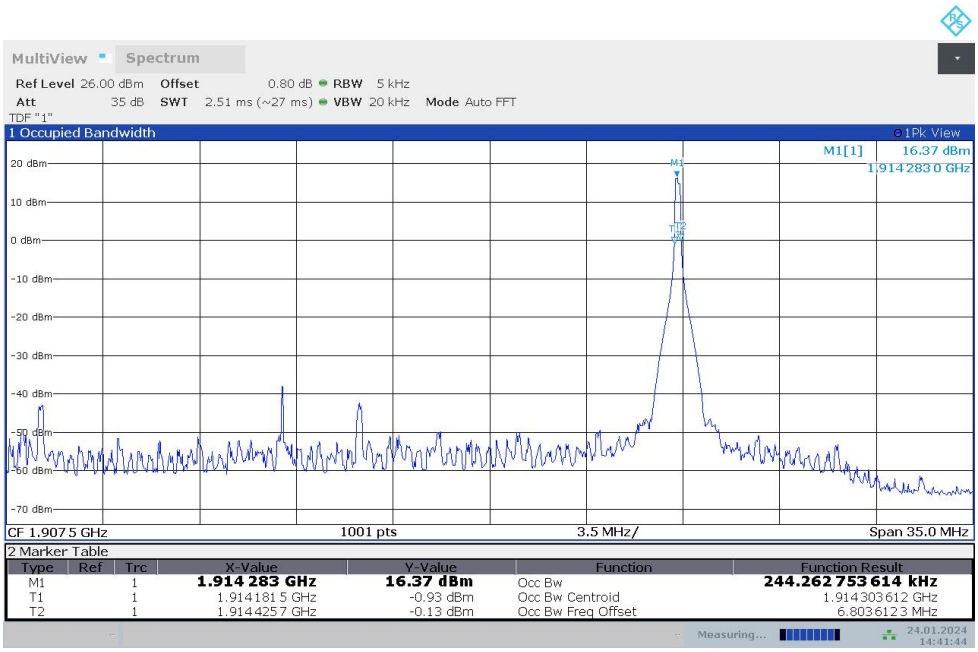
14:39:51 24.01.2024

LOW BAND EDGE BLOCK-1RB-LOW_offset



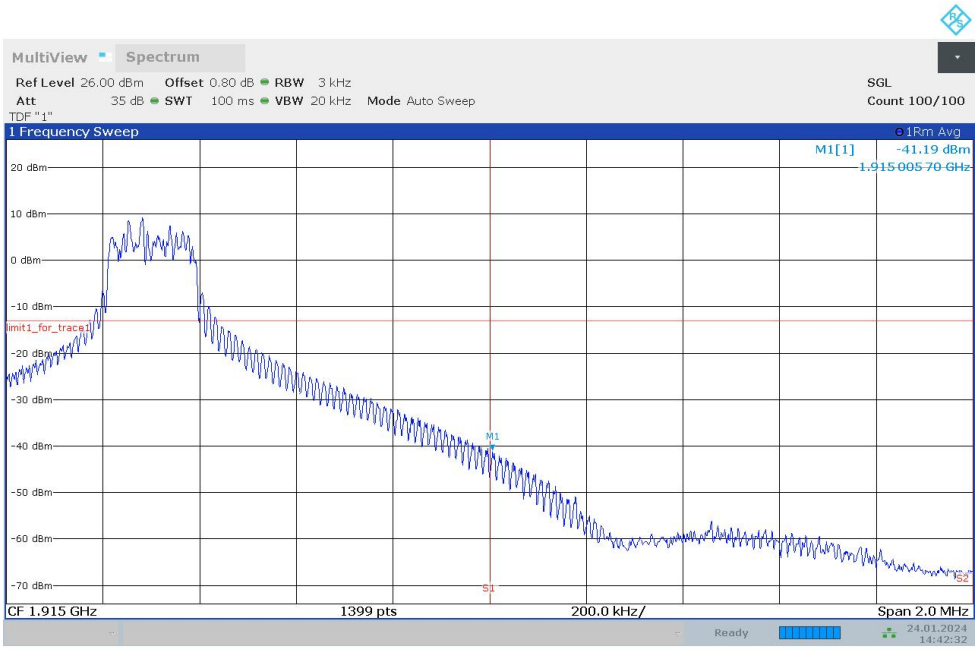
14:40:38 24.01.2024

OBW: 1RB-HIGH_offset



14:41:45 24.01.2024

HIGH BAND EDGE BLOCK-1RB-HIGH_offset



14:42:33 24.01.2024