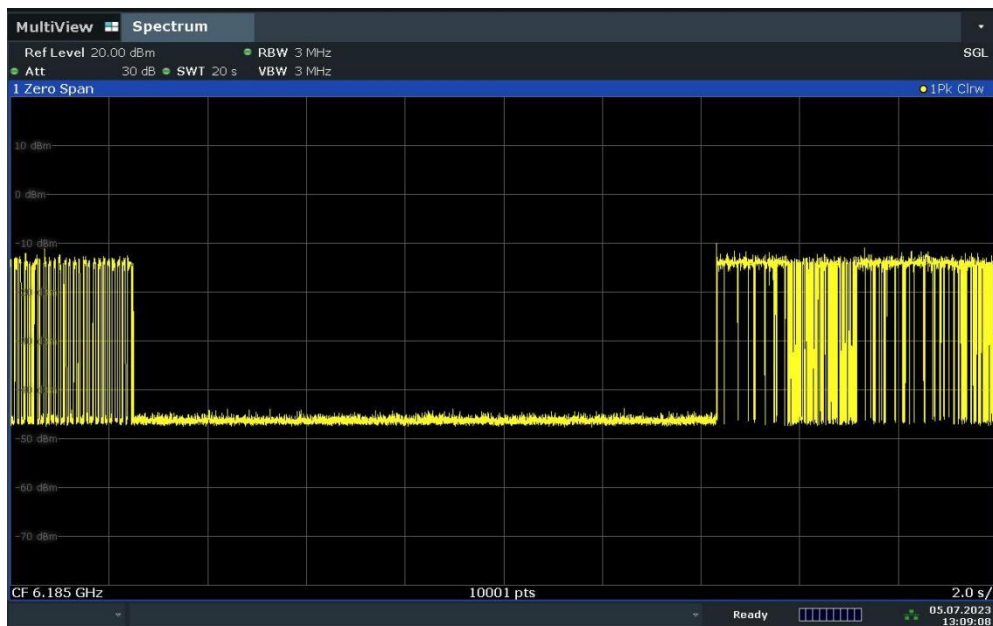




16:28:44 05.07.2023

AWGN Signal Level 802.11ax HE160 6185 (middle, at Antenna Port)



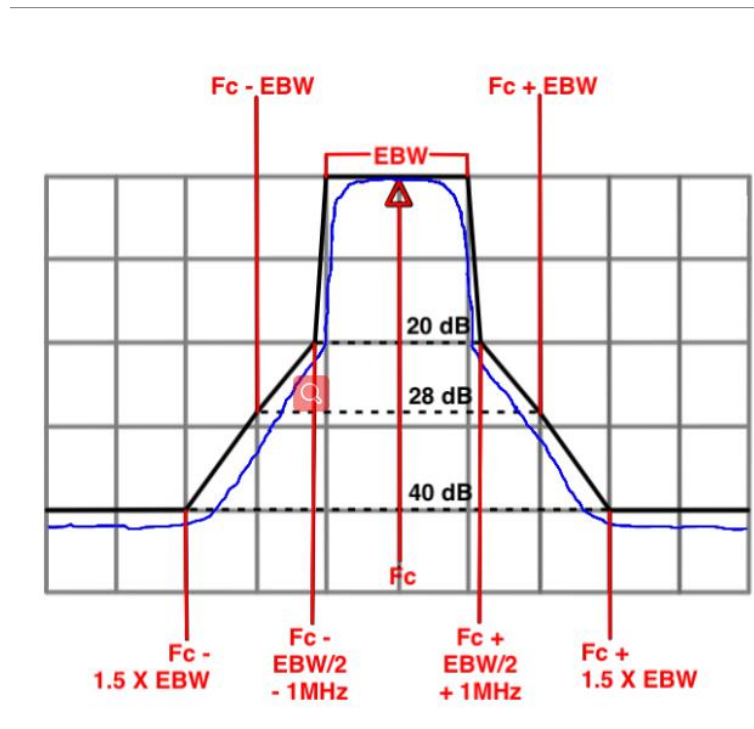
13:09:09 05.07.2023

Contention Based Protocol 802.11ax HE160 6185 (middle, cease transmission)

A.7. In-Band Emissions

Measurement Limit and Method:

1. Take nominal bandwidth as reference channel bandwidth provided that 26 dB emission bandwidth is always larger than nominal bandwidth
2. Measure the power spectral density (which will be used for emissions mask reference) using the following procedure:
 - a) Set the span to encompass the entire 26 dB EBW of the signal.
 - b) Set RBW = same RBW used for 26 dB EBW measurement.
 - c) Set VBW $\geq 3 \times$ RBW
 - d) Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$.
 - e) Sweep time = auto.
 - f) Detector = RMS (i.e., power averaging)
 - g) Trace average at least 100 traces in power averaging (rms) mode.
 - h) Use the peak search function on the instrument to find the peak of the spectrum.
3. Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:
 - a. Suppressed by 20 dB at 1 MHz outside of the channel edge. (The channel edge is defined as the 26-dB point on either side of the carrier center frequency.)
 - b. Suppressed by 28 dB at one channel bandwidth from the channel center.
 - c. Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.
4. Adjust the span to encompass the entire mask as necessary.
5. Clear trace.
6. Trace average at least 100 traces in power averaging (rms) mode.
7. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask.



Generic Emission Mask

The measurement is made according to KDB 987594.

Measurement Results:

MIMO

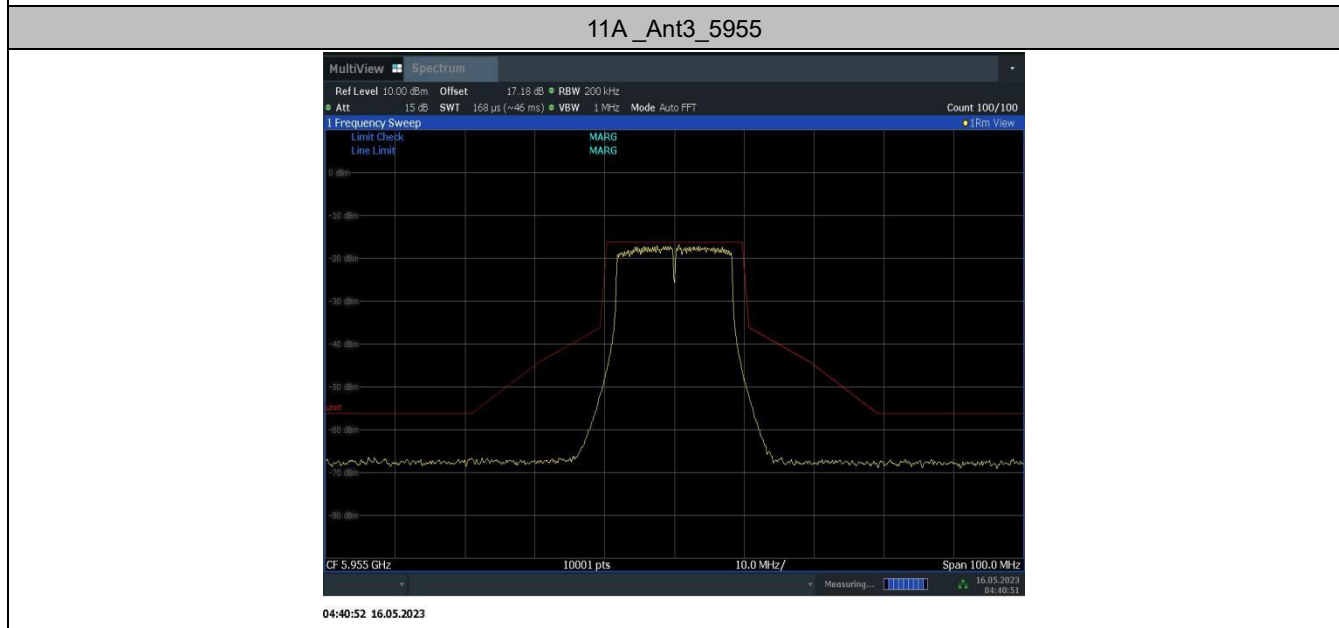
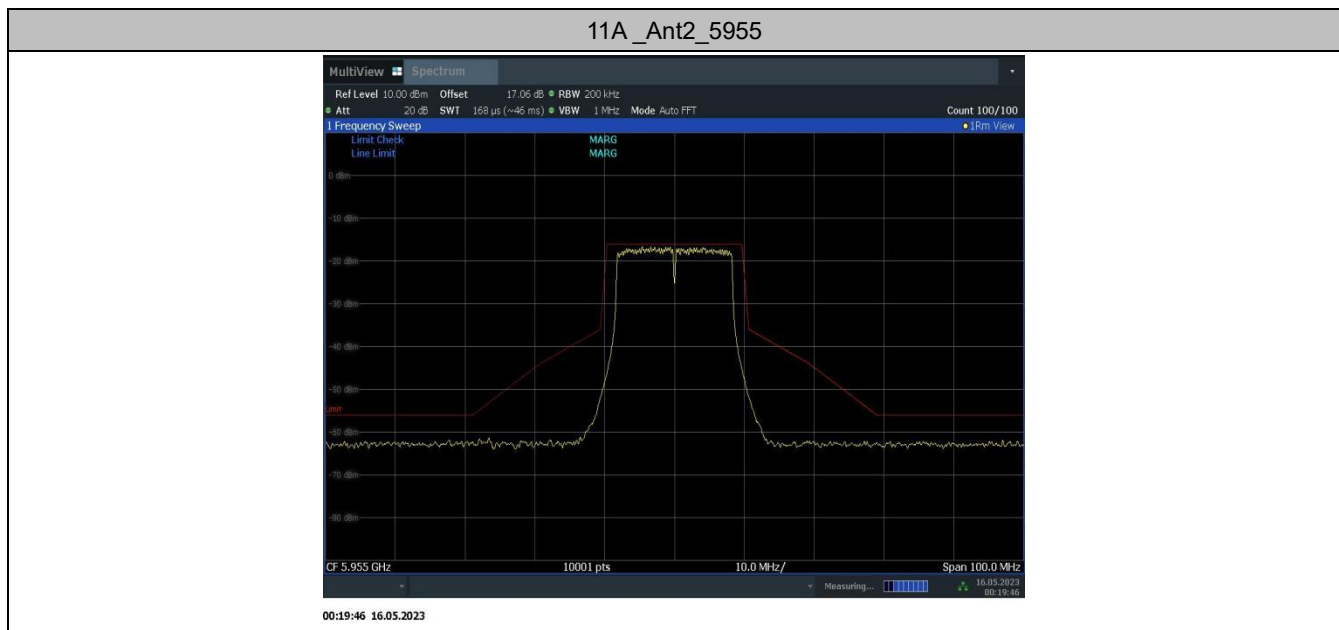
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	Ant3	6175	See test graph	See test graph	PASS
	Ant2	6415	See test graph	See test graph	PASS
	Ant3	6415	See test graph	See test graph	PASS
	Ant2	6435	See test graph	See test graph	PASS
	Ant3	6435	See test graph	See test graph	PASS
	Ant2	6475	See test graph	See test graph	PASS
	Ant3	6475	See test graph	See test graph	PASS
	Ant2	6515	See test graph	See test graph	PASS
	Ant3	6515	See test graph	See test graph	PASS
	Ant2	6535	See test graph	See test graph	PASS
	Ant3	6535	See test graph	See test graph	PASS
	Ant2	6695	See test graph	See test graph	PASS
	Ant3	6695	See test graph	See test graph	PASS
	Ant2	6855	See test graph	See test graph	PASS
	Ant3	6855	See test graph	See test graph	PASS
Ant2	6875	See test graph	See test graph	PASS	

	Ant3	6875	See test graph	See test graph	PASS
	Ant2	6895	See test graph	See test graph	PASS
	Ant3	6895	See test graph	See test graph	PASS
	Ant2	6995	See test graph	See test graph	PASS
	Ant3	6995	See test graph	See test graph	PASS
	Ant2	7115	See test graph	See test graph	PASS
	Ant3	7115	See test graph	See test graph	PASS
11AX20 MIMO	Ant2	5955	See test graph	See test graph	PASS
	Ant3	5955	See test graph	See test graph	PASS
	Ant2	6175	See test graph	See test graph	PASS
	Ant3	6175	See test graph	See test graph	PASS
	Ant2	6415	See test graph	See test graph	PASS
	Ant3	6415	See test graph	See test graph	PASS
	Ant2	6435	See test graph	See test graph	PASS
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	Ant2	6475	See test graph	See test graph	PASS
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	Ant3	6535	See test graph	See test graph	PASS
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	Ant2	6855	See test graph	See test graph	PASS
	Ant3	6855	See test graph	See test graph	PASS
	Ant2	6875	See test graph	See test graph	PASS
	Ant3	6875	See test graph	See test graph	PASS
	Ant2	6895	See test graph	See test graph	PASS
	Ant3	6895	See test graph	See test graph	PASS
	Ant2	6995	See test graph	See test graph	PASS
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Ant2	7115	See test graph	See test graph	PASS	
Ant3	7115	See test graph	See test graph	PASS	
11AX40 MIMO	Ant2	5965	See test graph	See test graph	PASS
	Ant3	5965	See test graph	See test graph	PASS
	Ant2	6165	See test graph	See test graph	PASS
	Ant3	6165	See test graph	See test graph	PASS
	Ant2	6405	See test graph	See test graph	PASS
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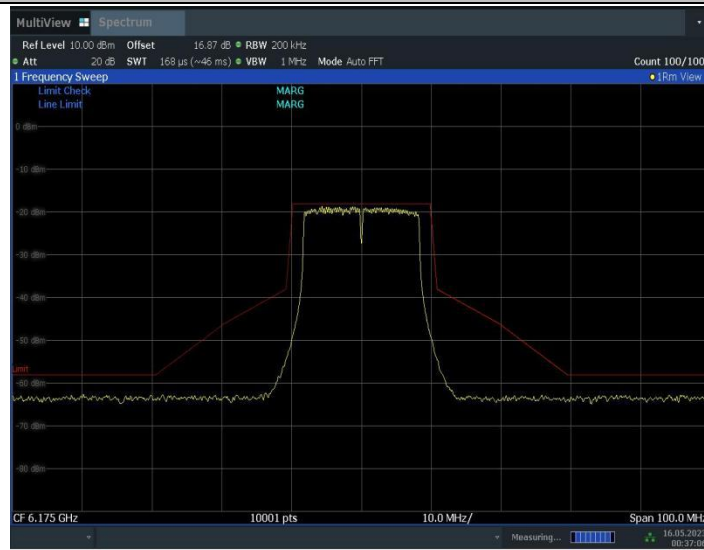
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	Ant2	6885	See test graph	See test graph	PASS
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	Ant2	6925	See test graph	See test graph	PASS
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	Ant2	7085	See test graph	See test graph	PASS
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11AX80 MIMO	Ant2	5985	See test graph	See test graph	PASS
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	Ant3	6945	See test graph	See test graph	PASS
Ant2	7025	See test graph	See test graph	PASS	
Ant3	7025	See test graph	See test graph	PASS	
11AX160 MIMO	Ant2	6025	See test graph	See test graph	PASS
	Ant3	6025	See test graph	See test graph	PASS
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	Ant3	6185	See test graph	See test graph	PASS
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	Ant2	6505	See test graph	See test graph	PASS
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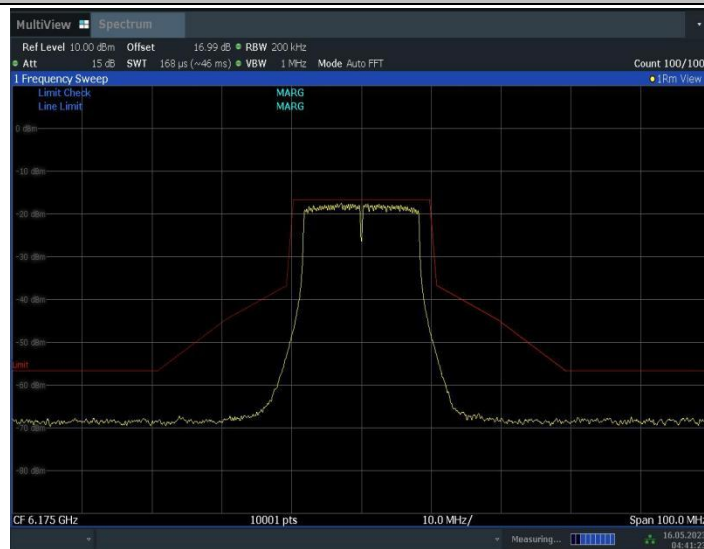
Test Graphs



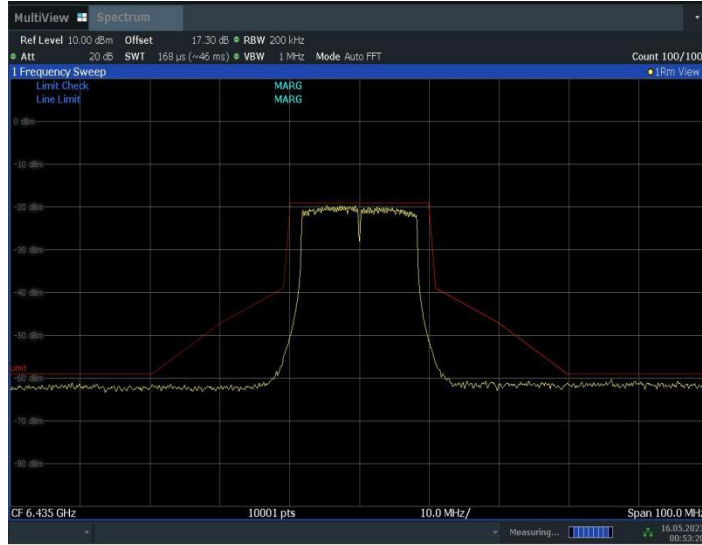
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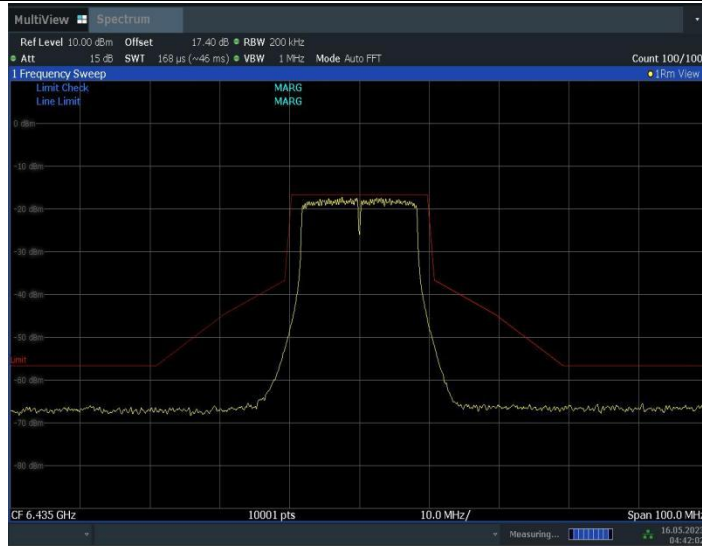


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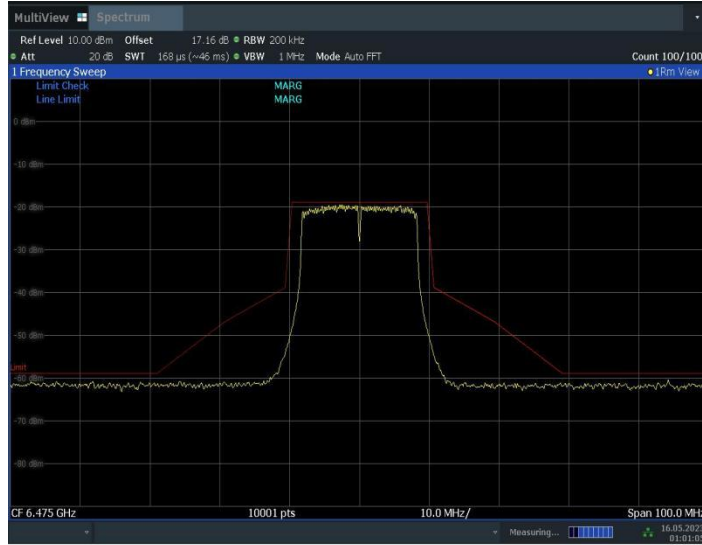
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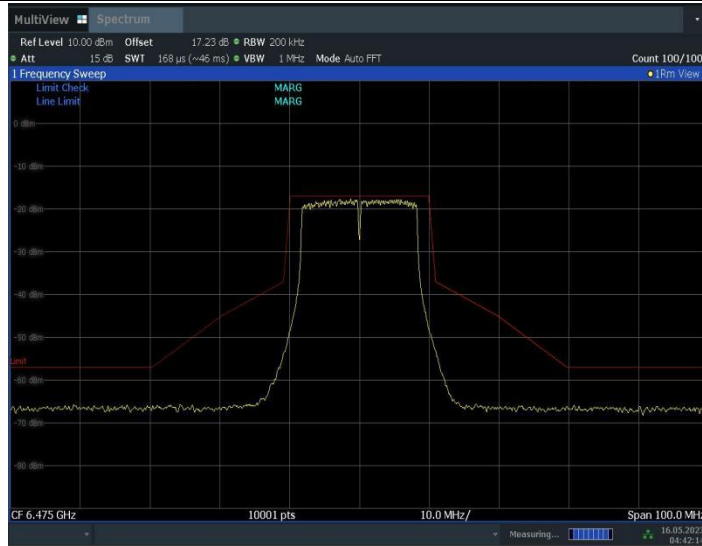
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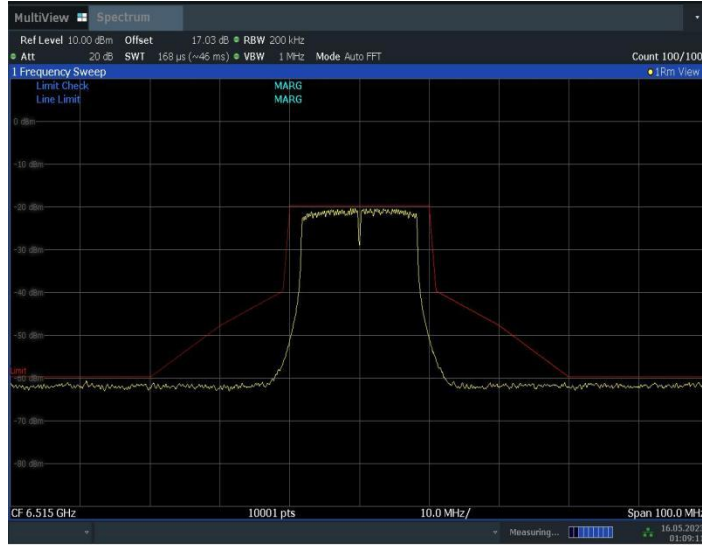
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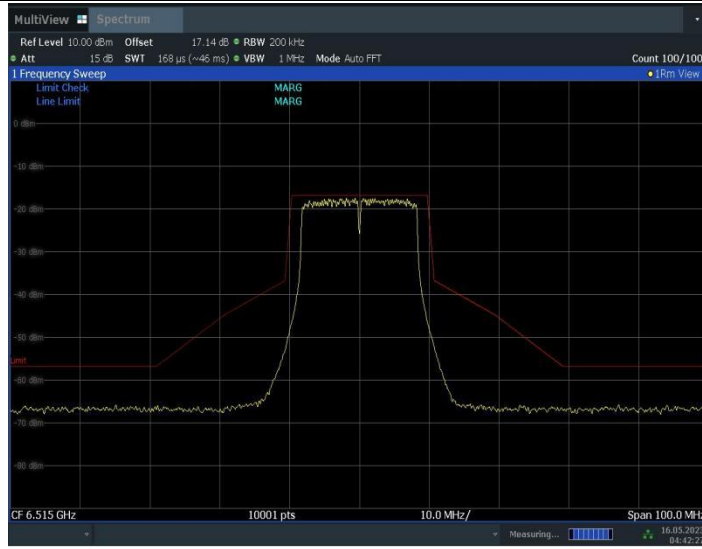
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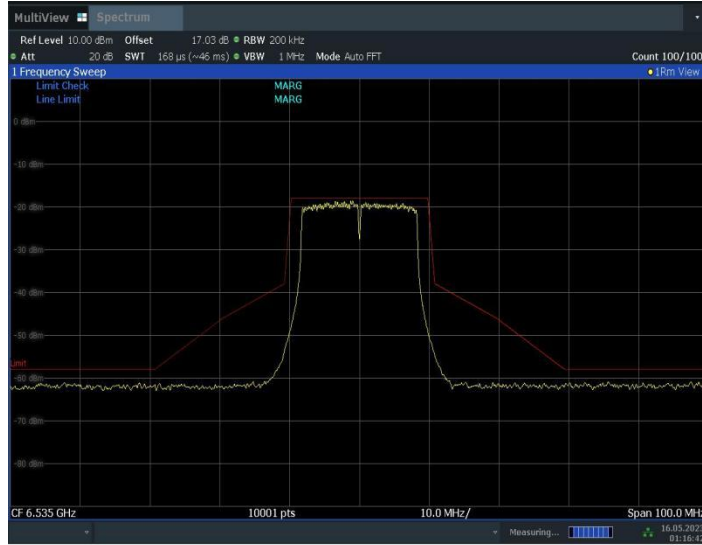
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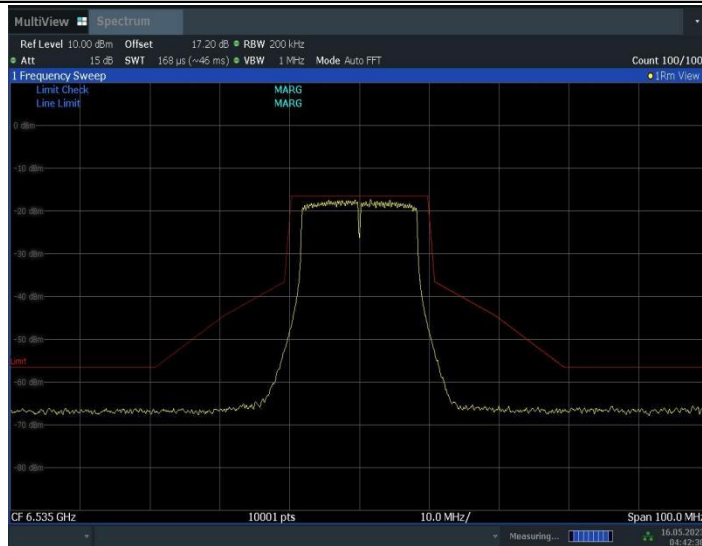
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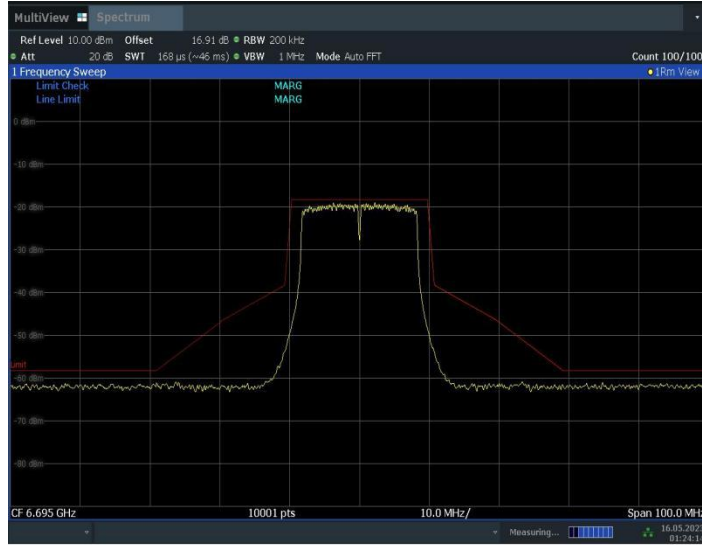
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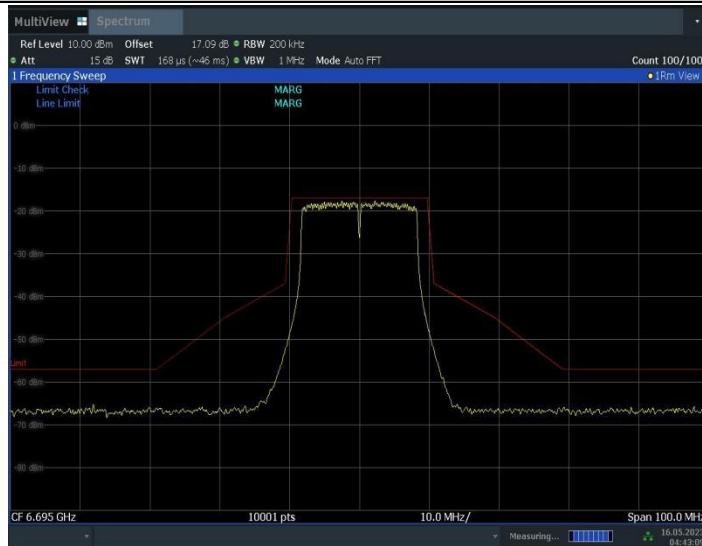
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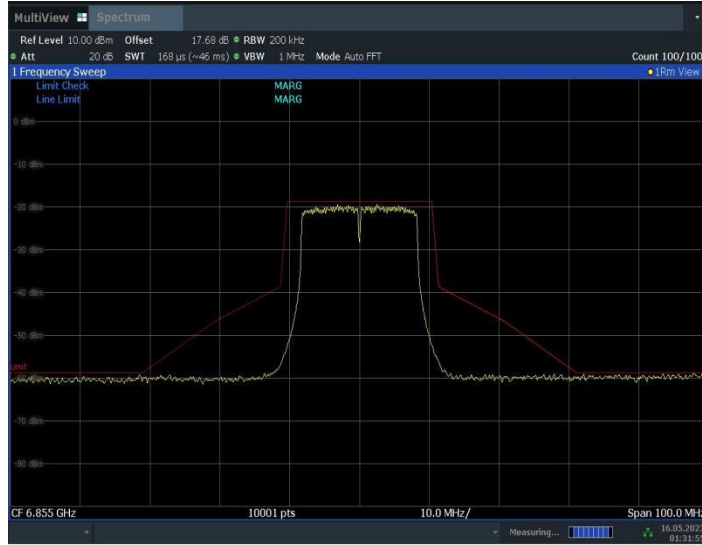
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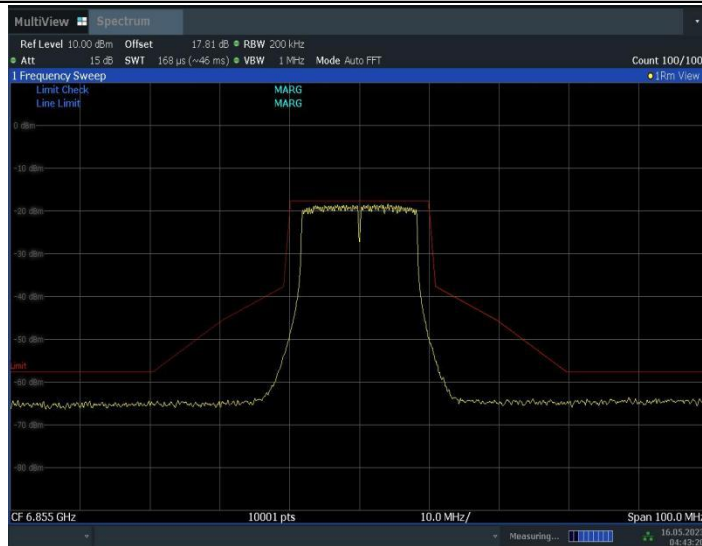
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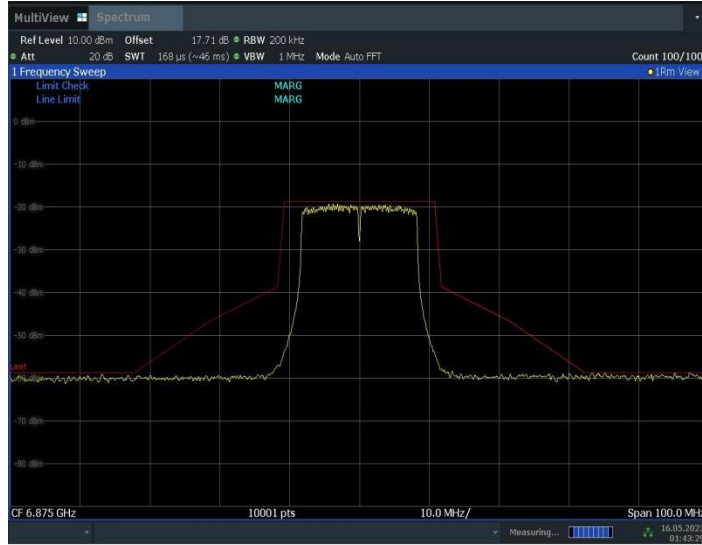
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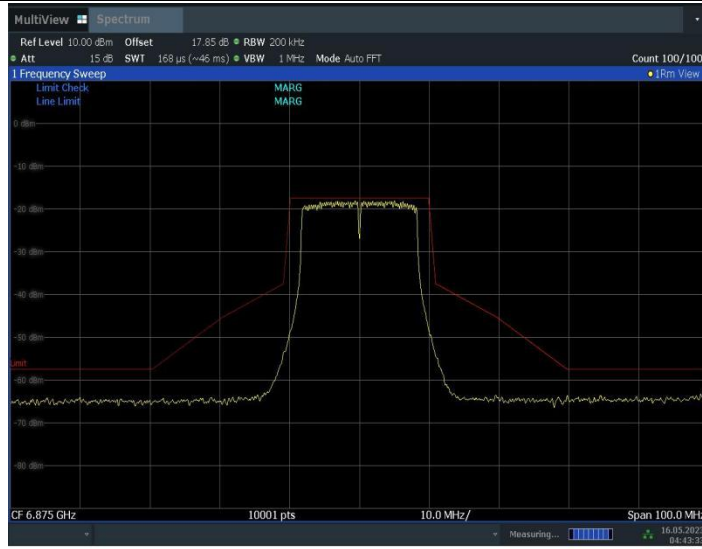
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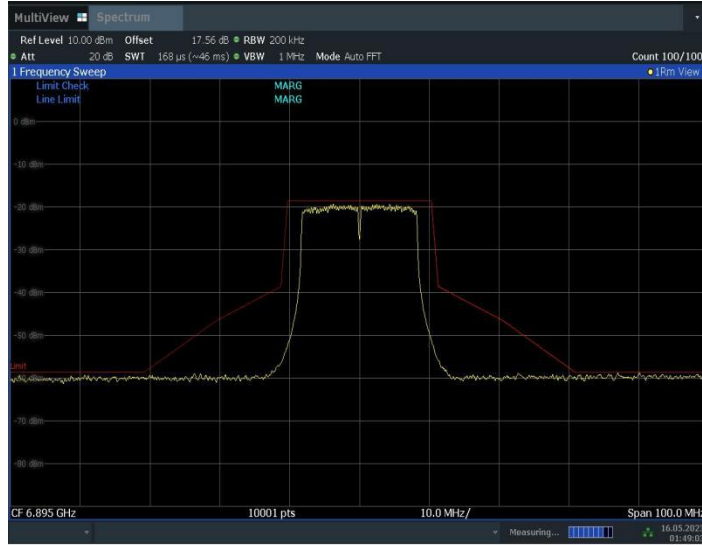
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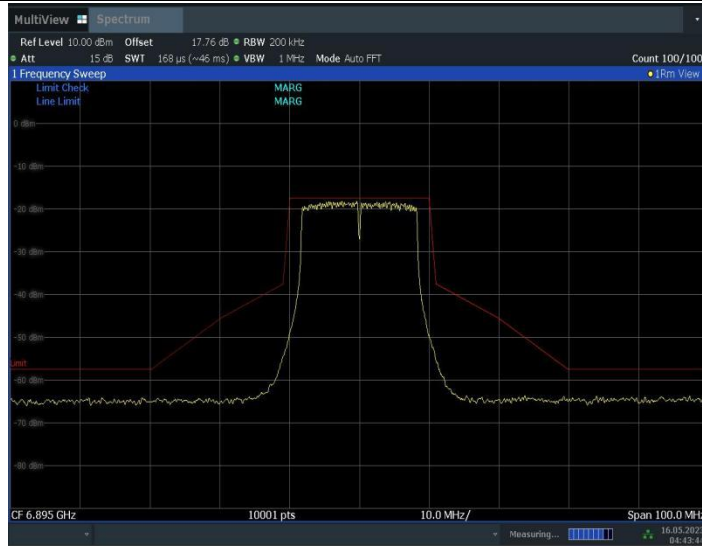
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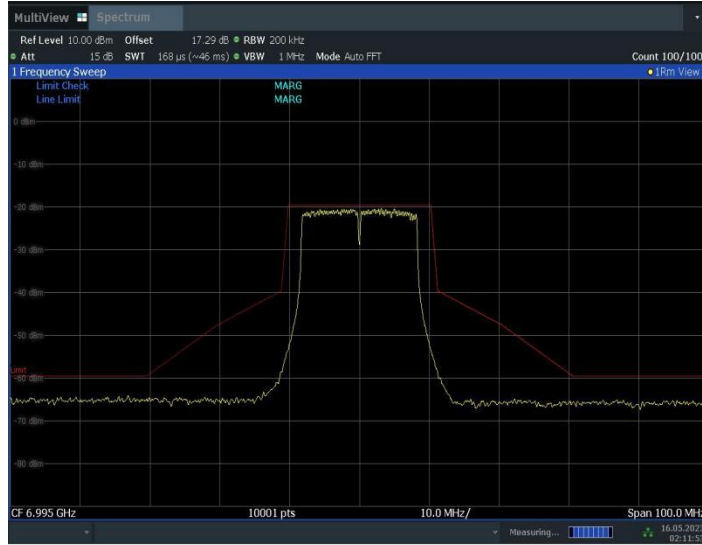
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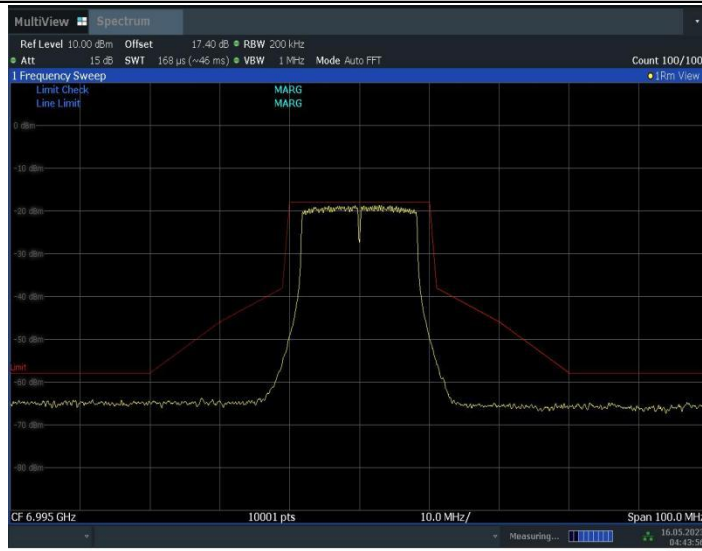


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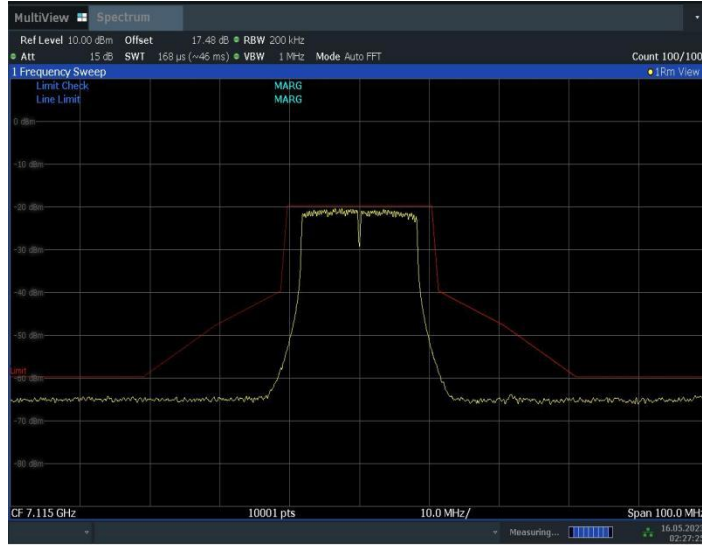
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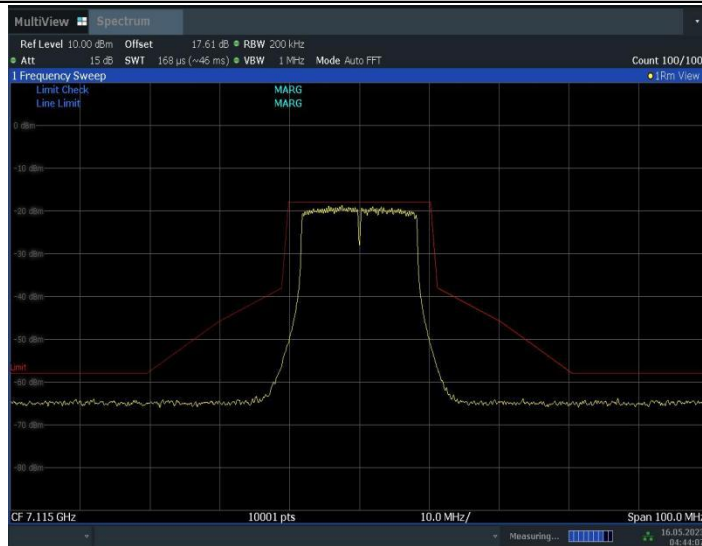


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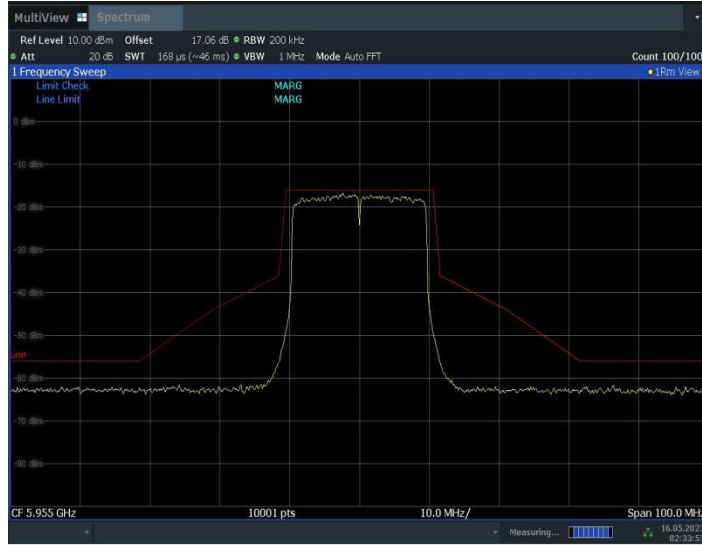
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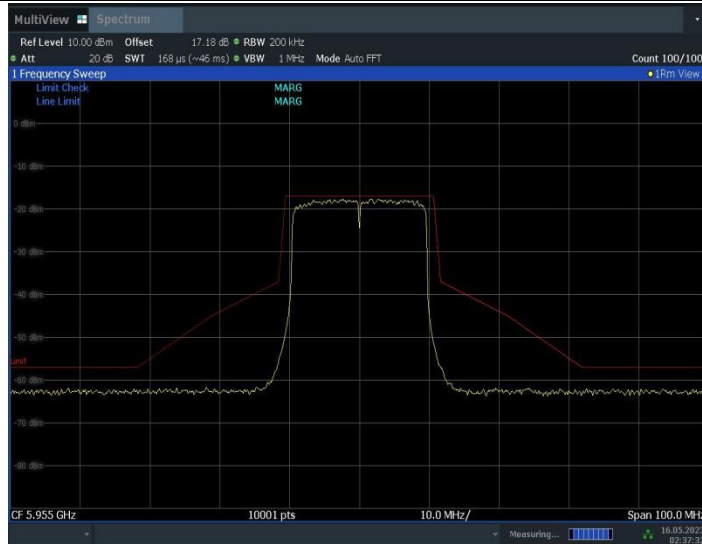
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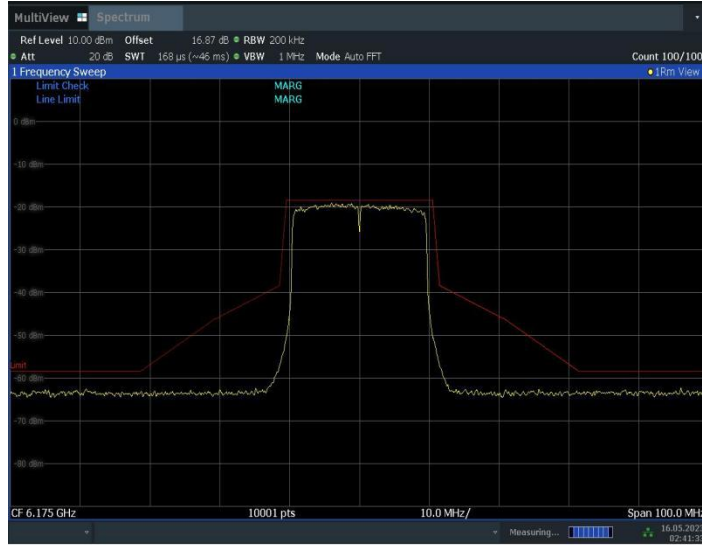
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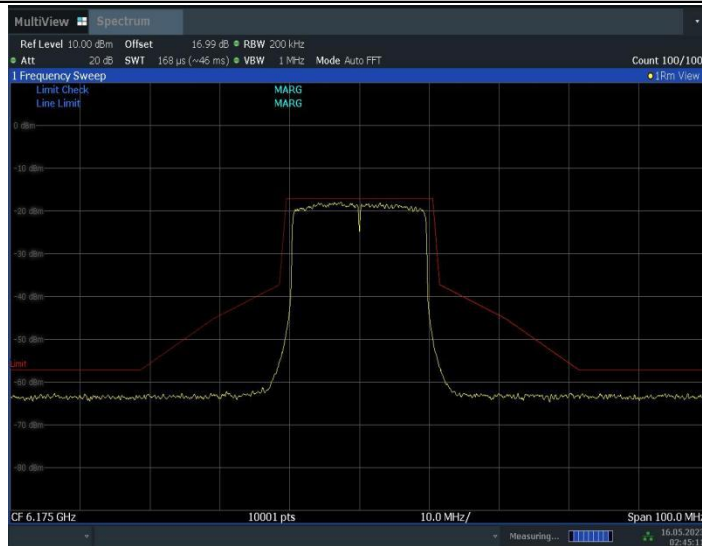
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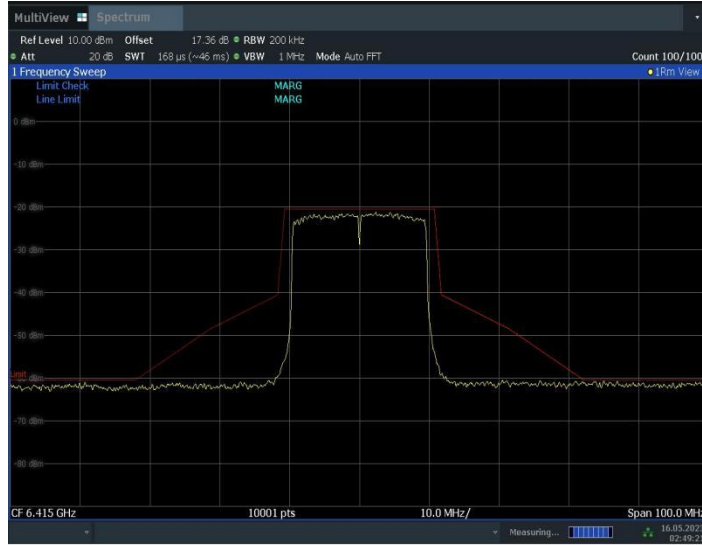
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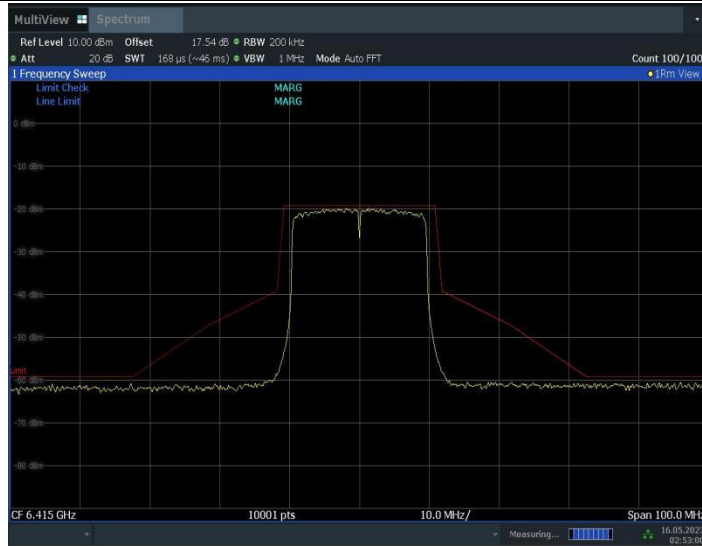
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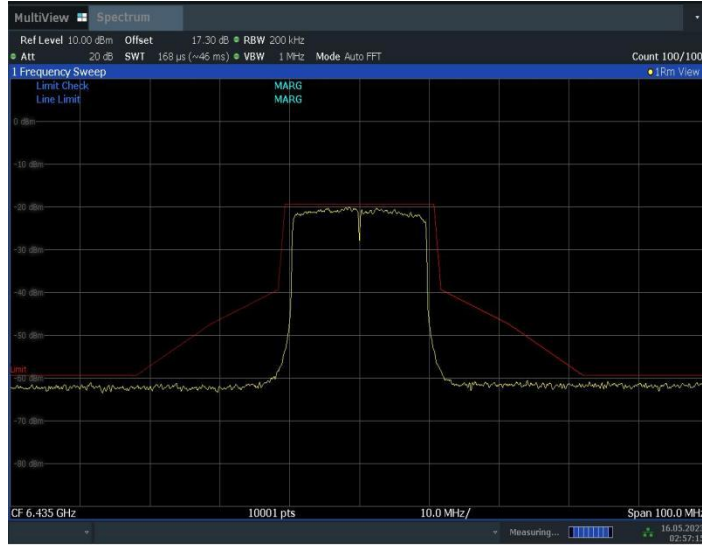
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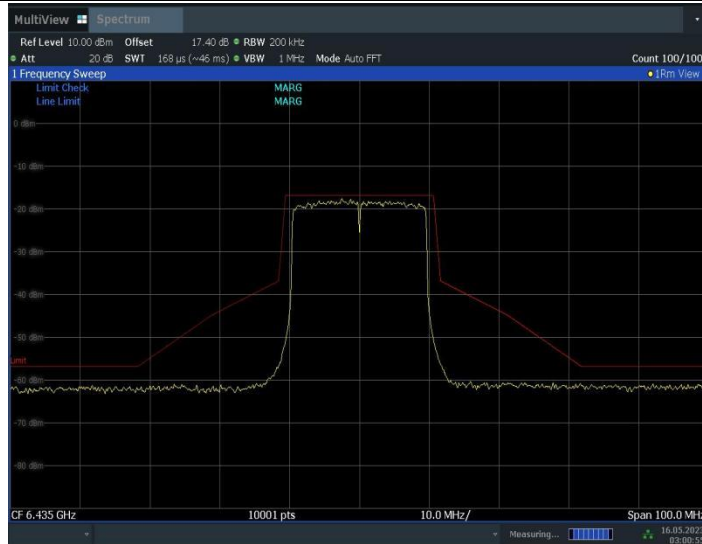
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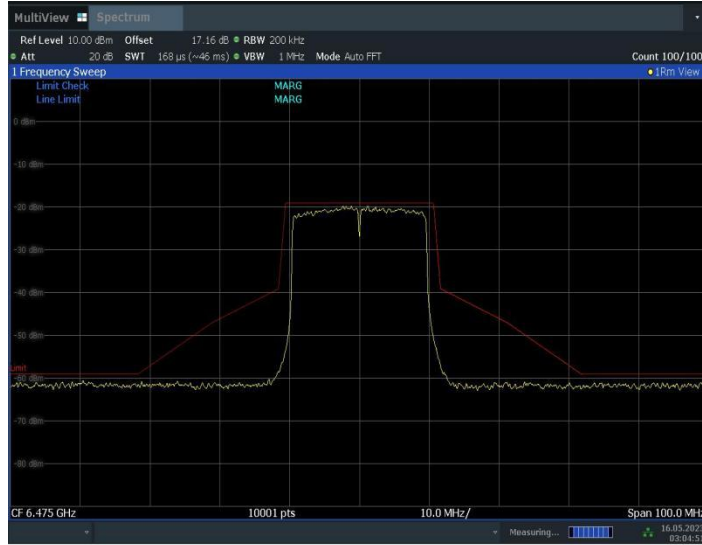
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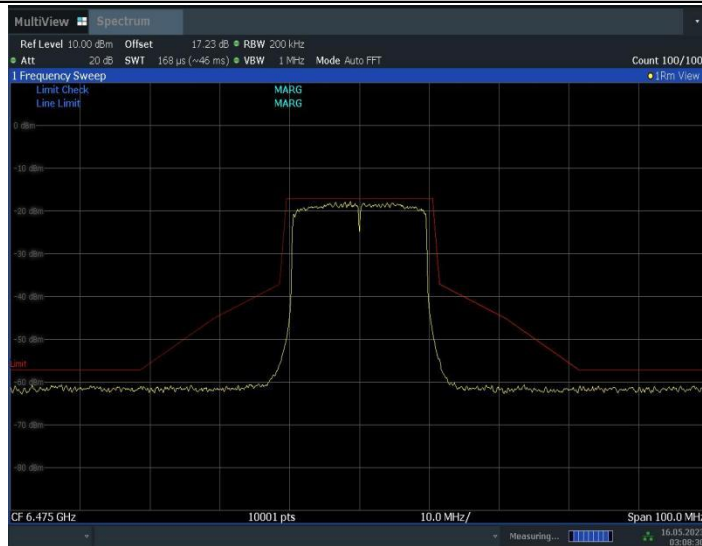
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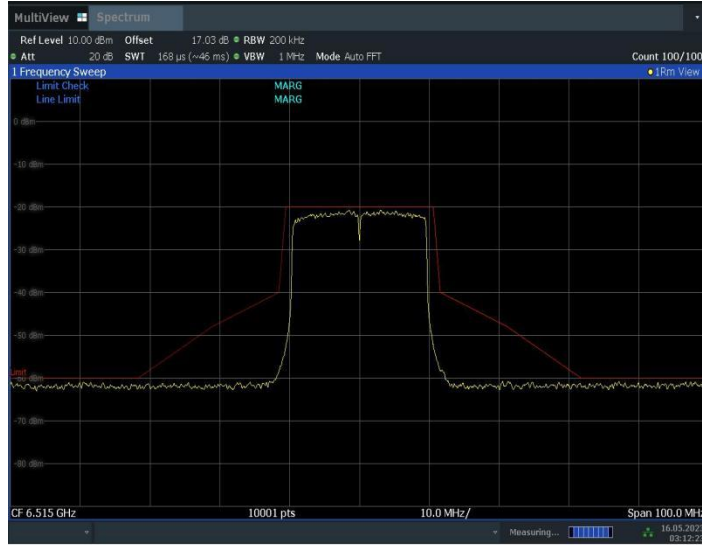
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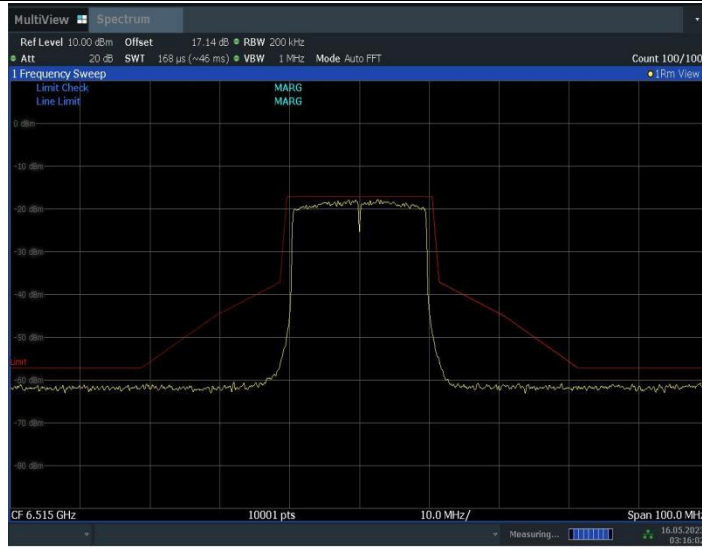
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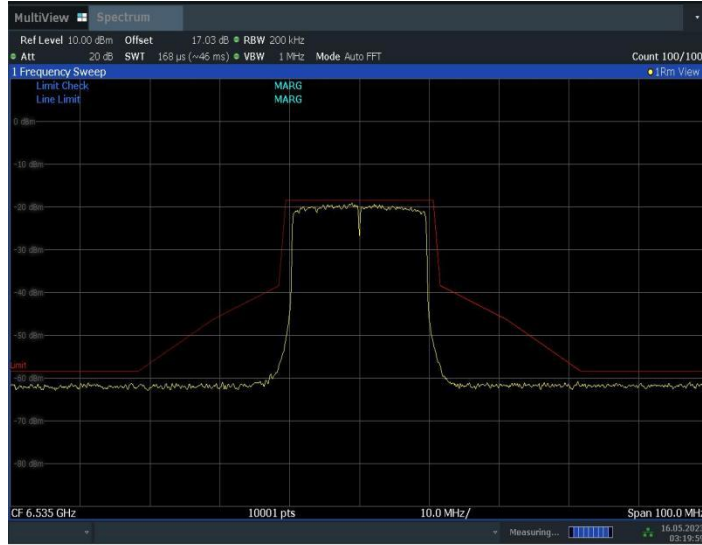
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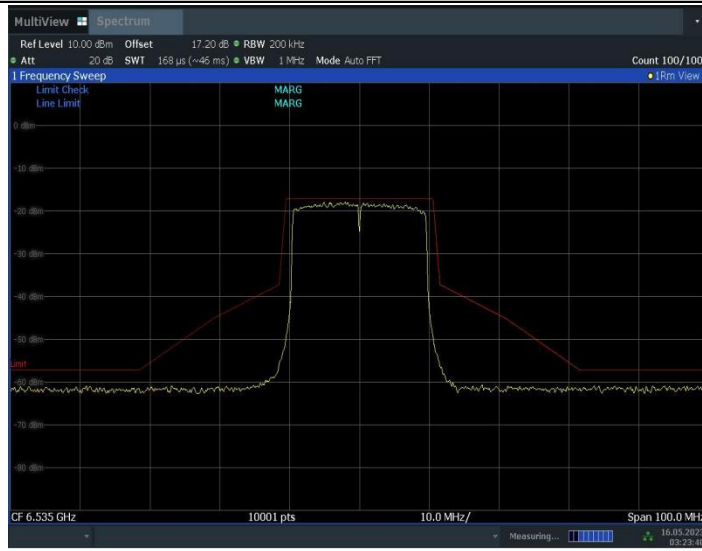


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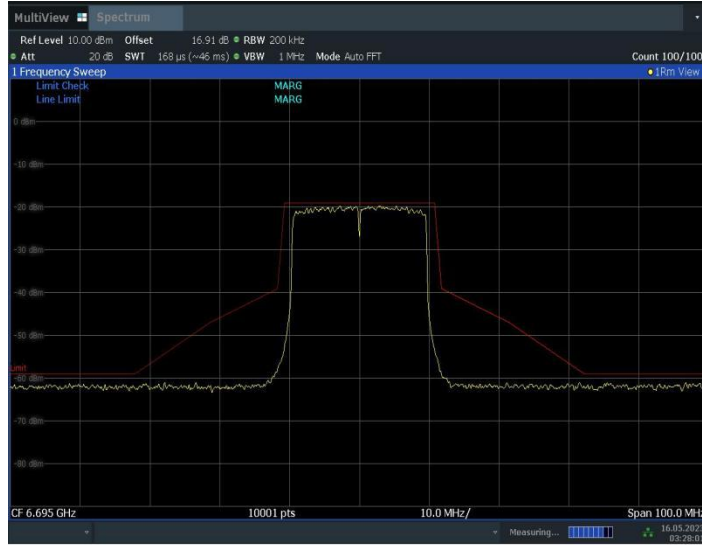
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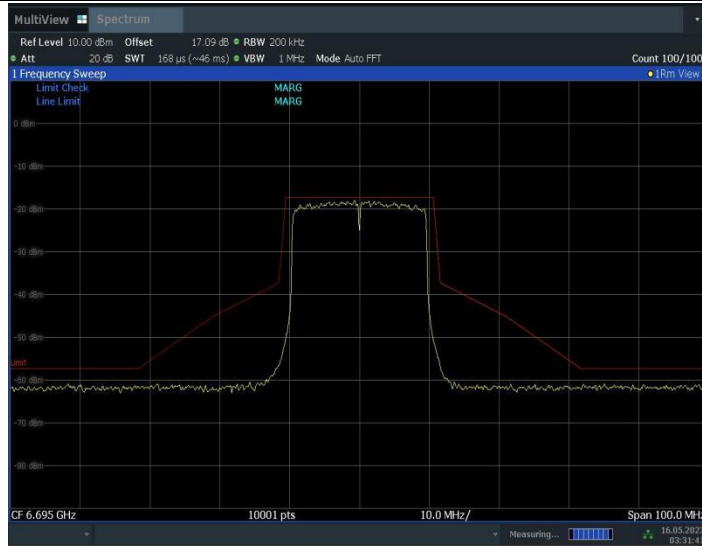


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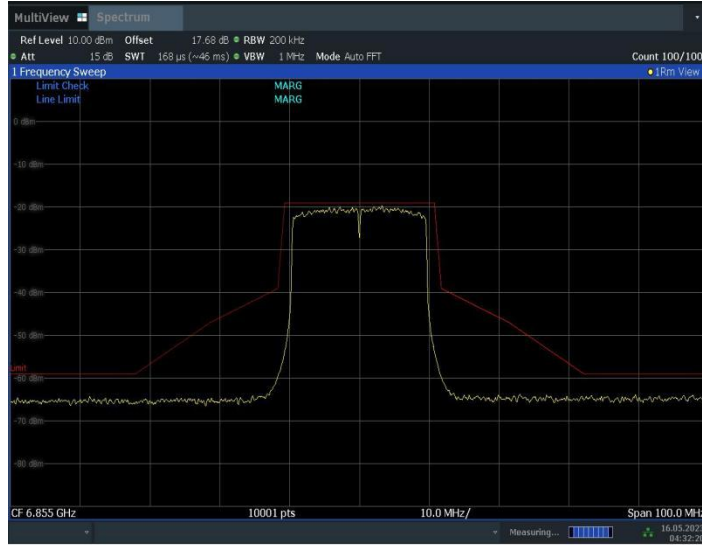
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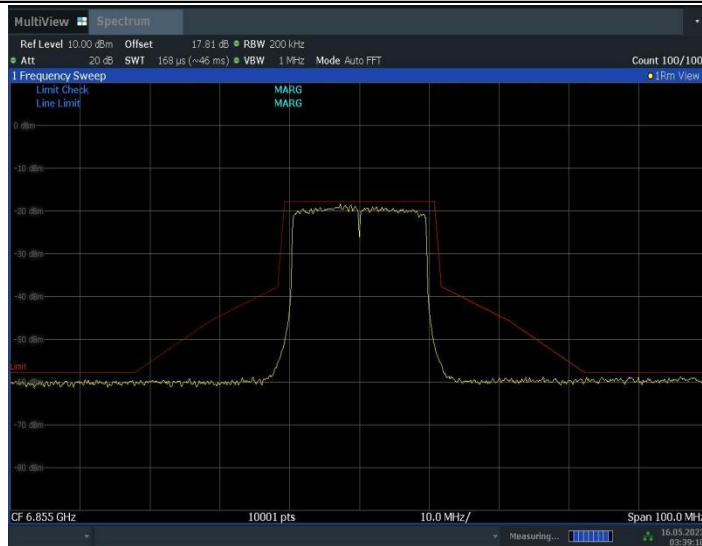
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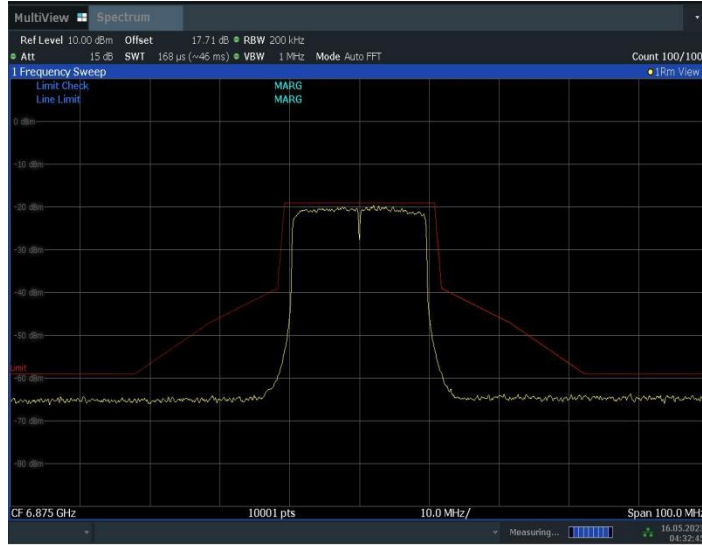
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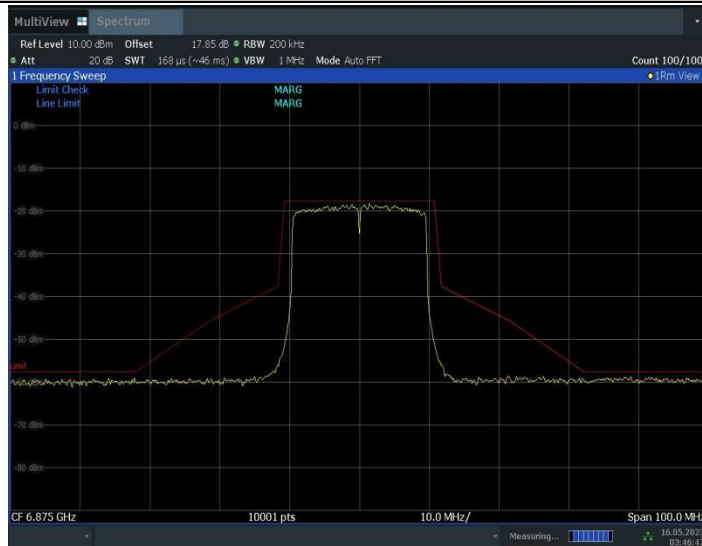
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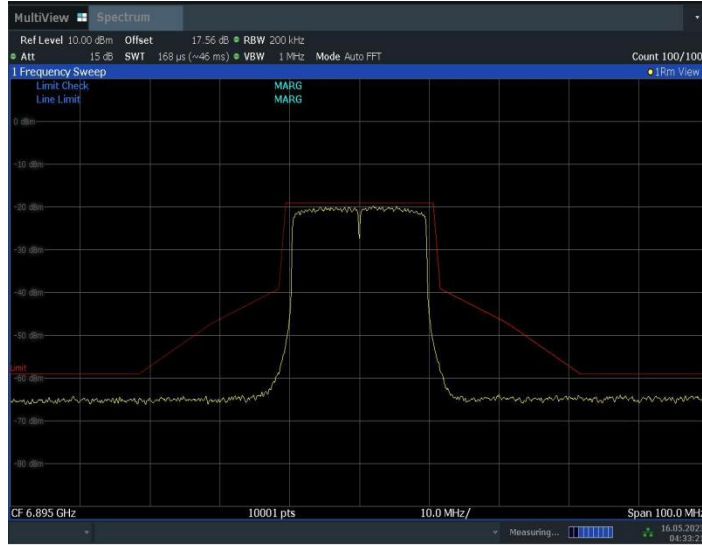
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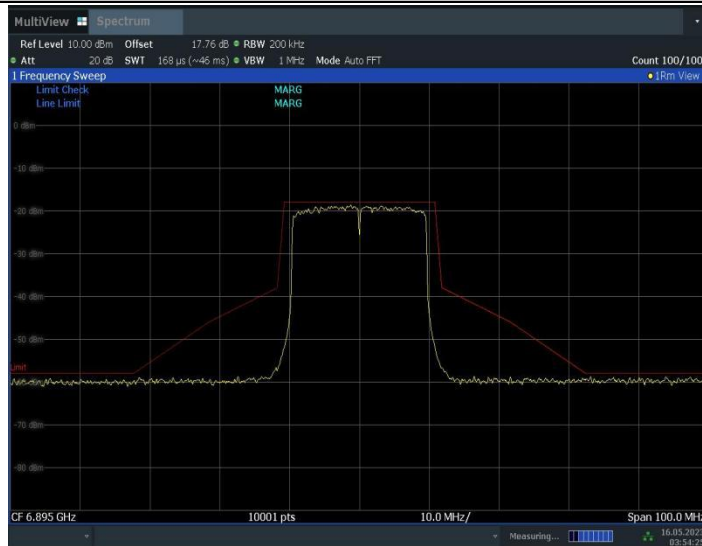
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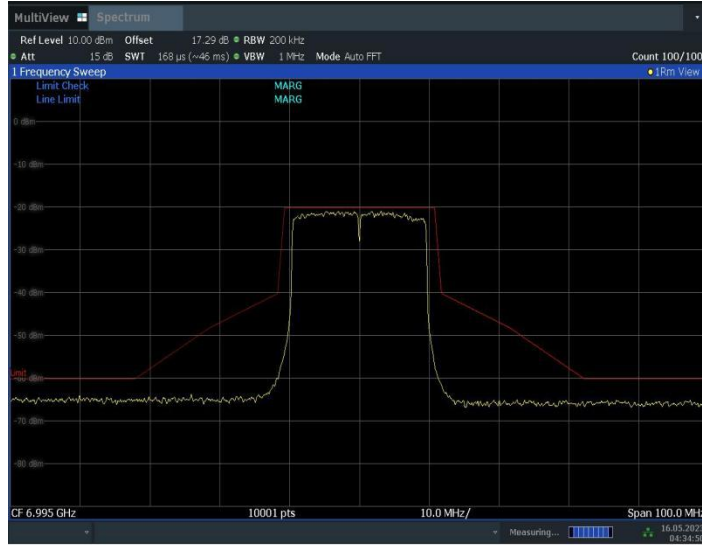
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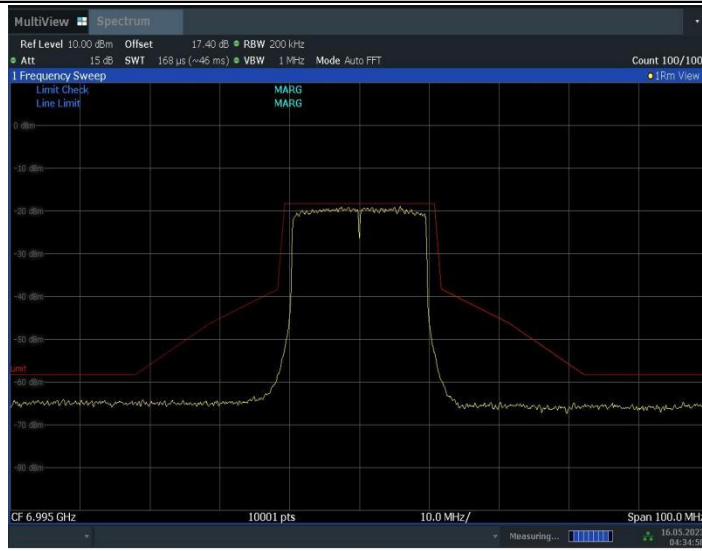


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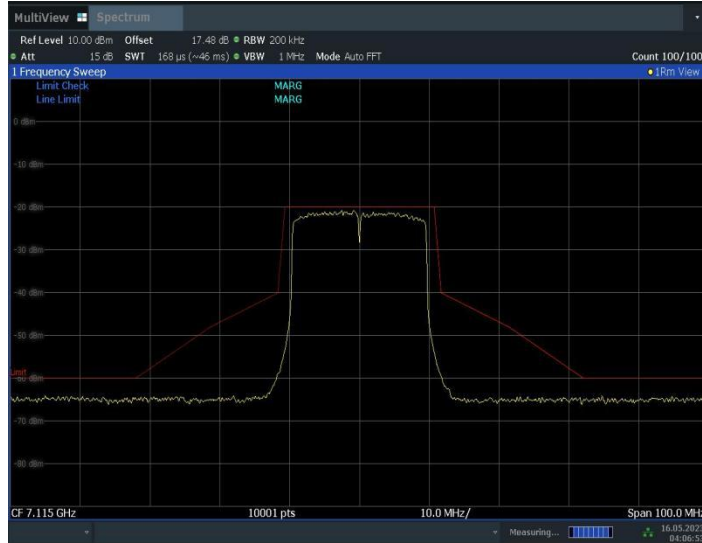
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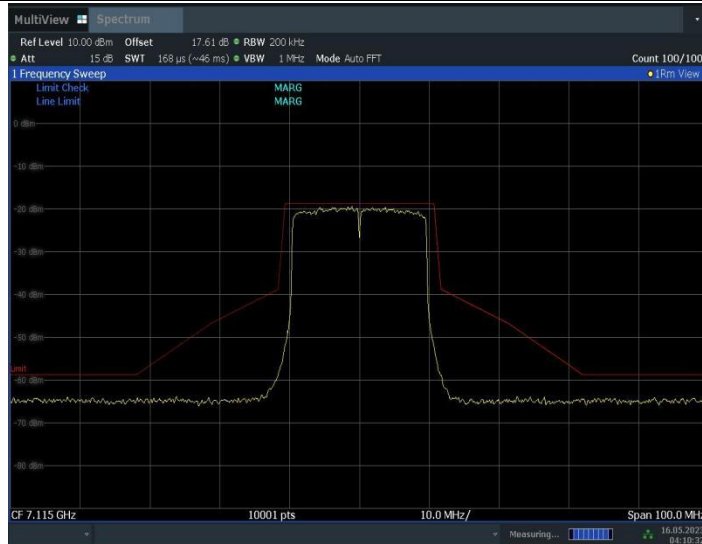


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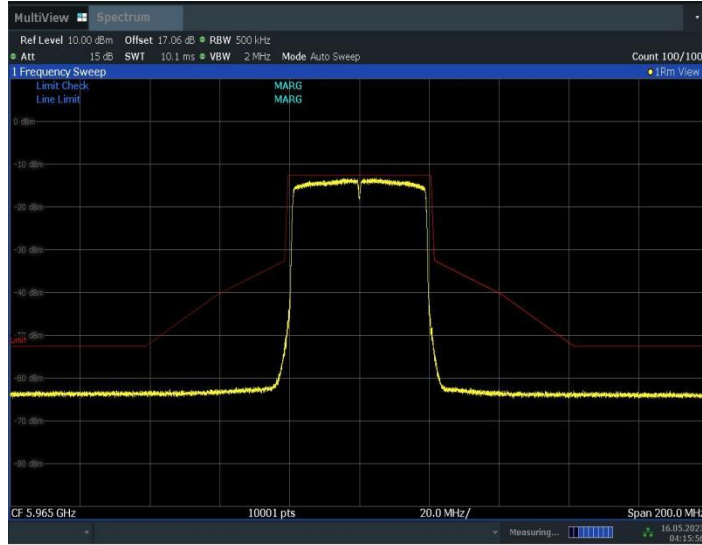
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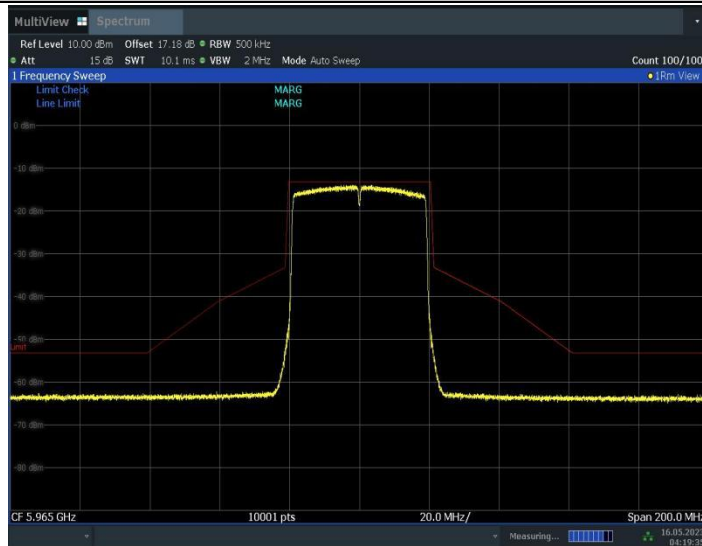
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11AX40MIMO_Ant2_5965



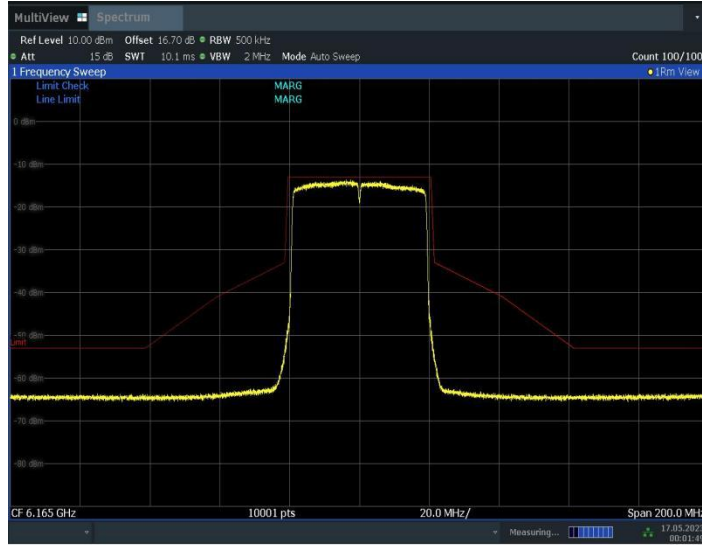
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11AX40MIMO_Ant3_5965



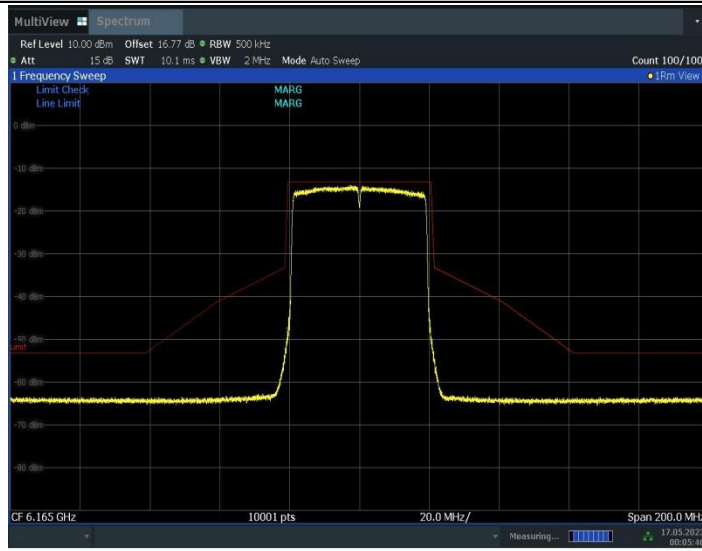
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11AX40MIMO_Ant2_6165



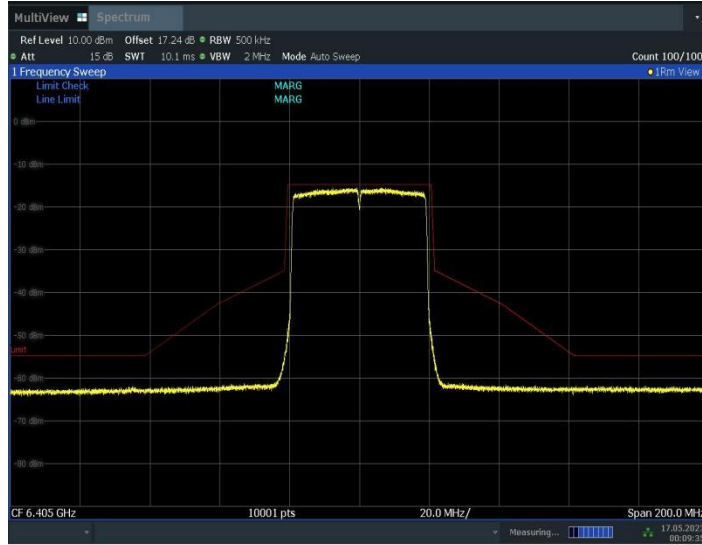
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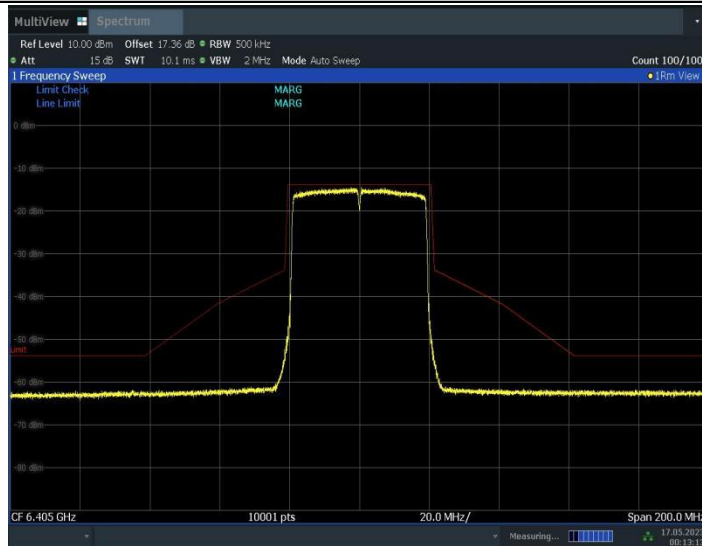
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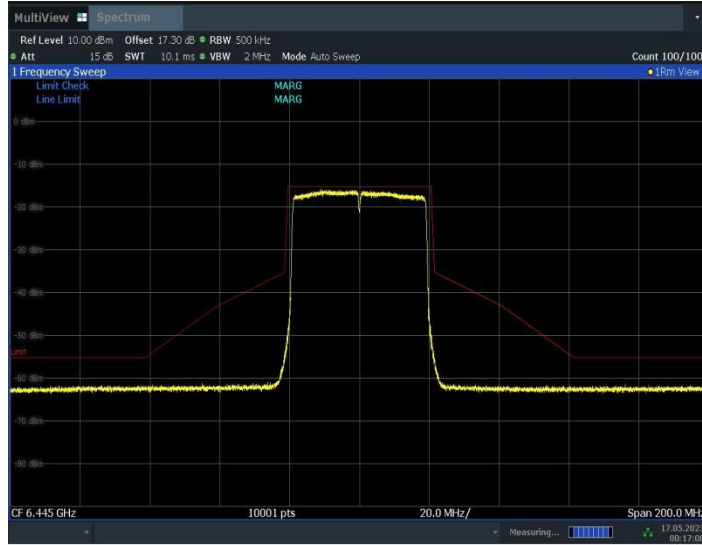
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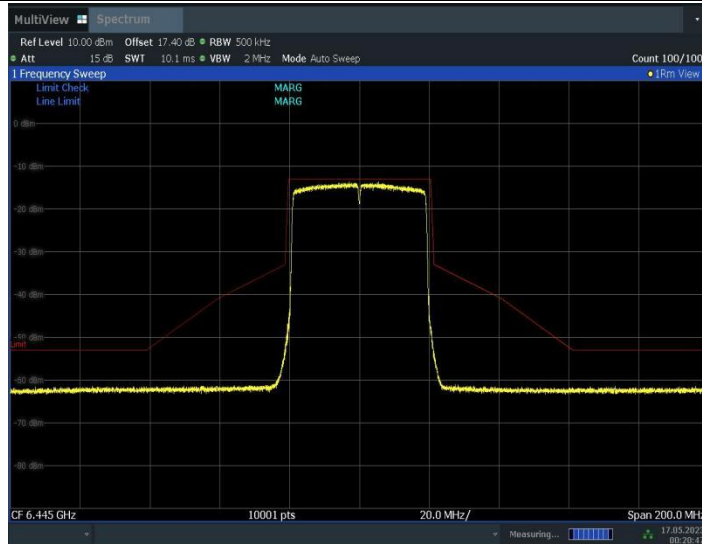
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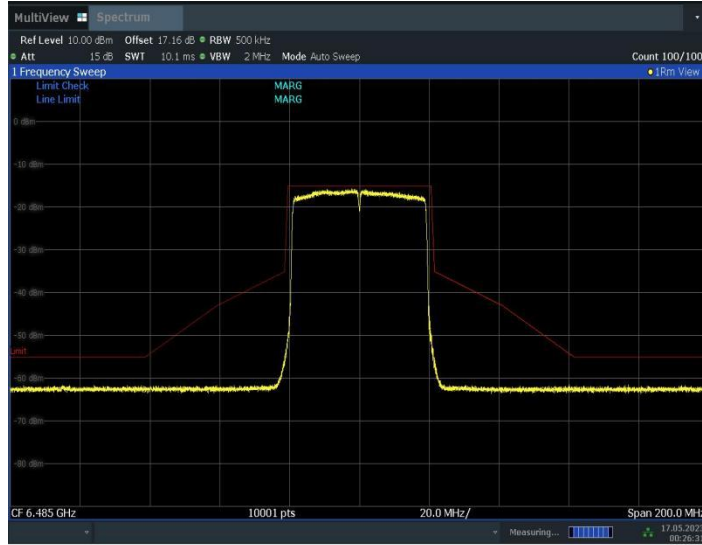
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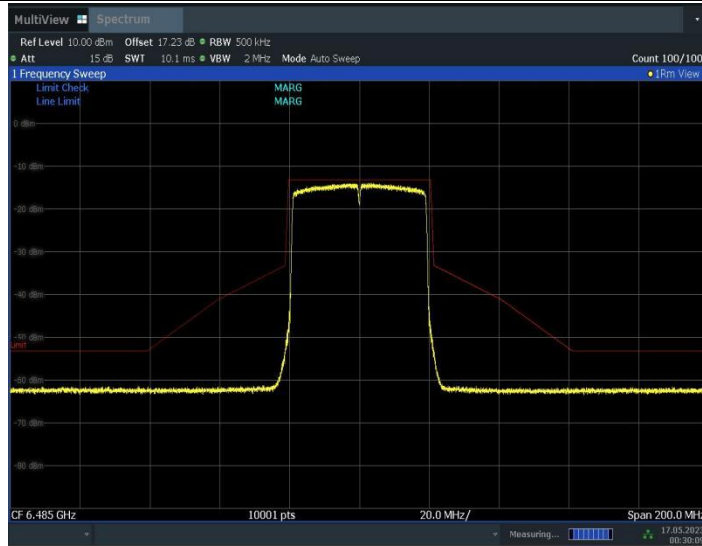
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11AX40MIMO_Ant2_6485



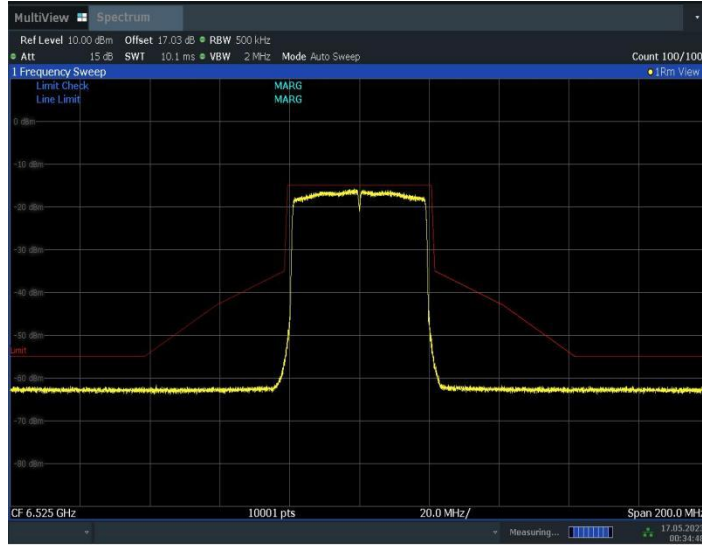
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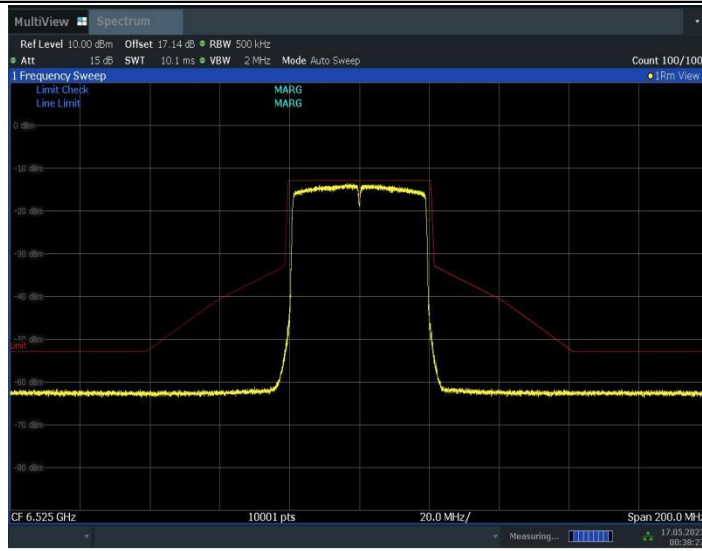


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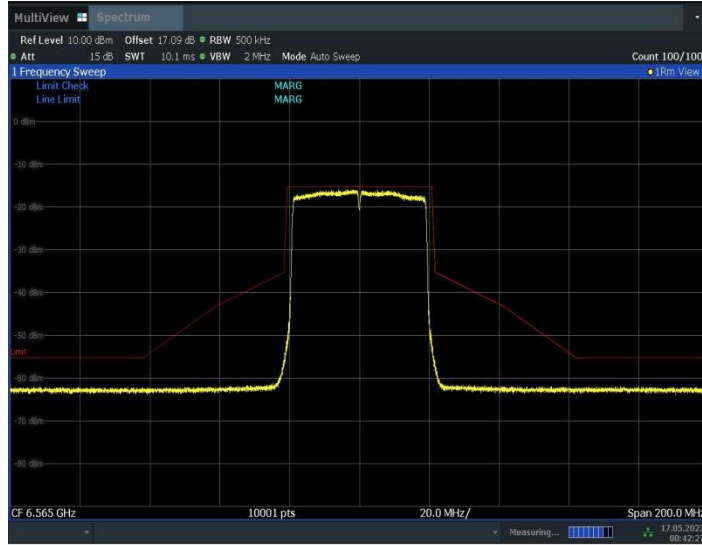
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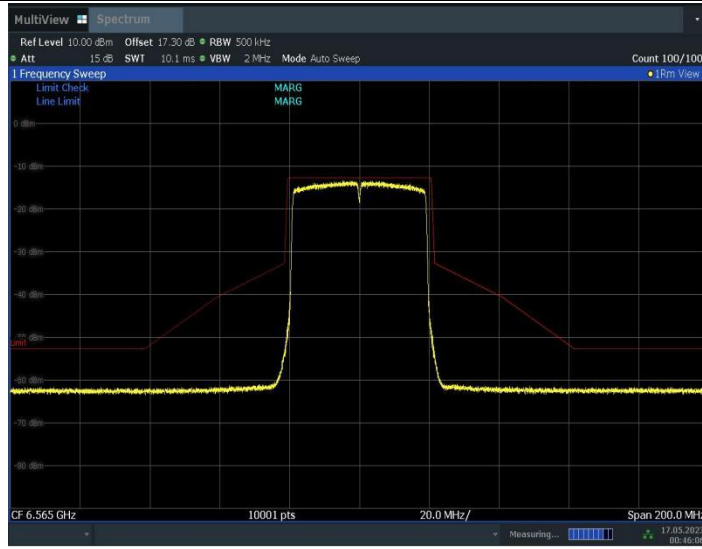


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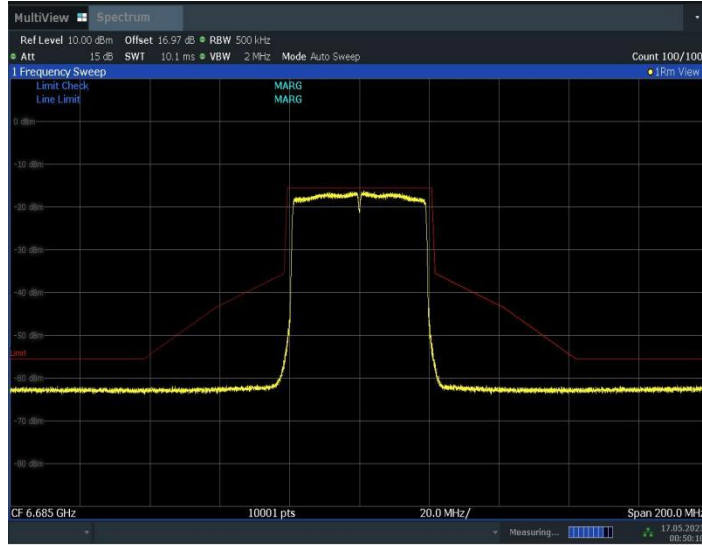
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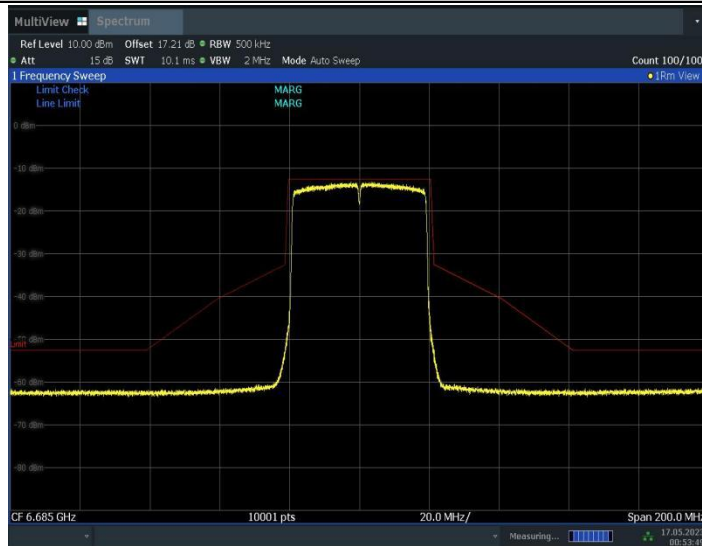
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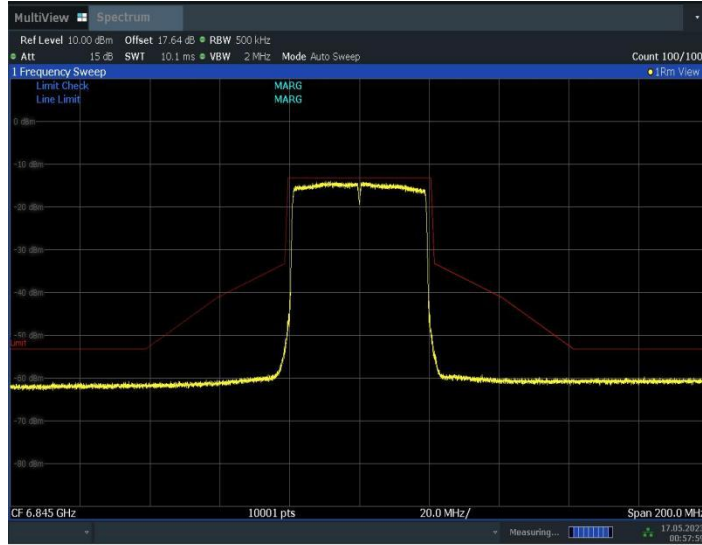
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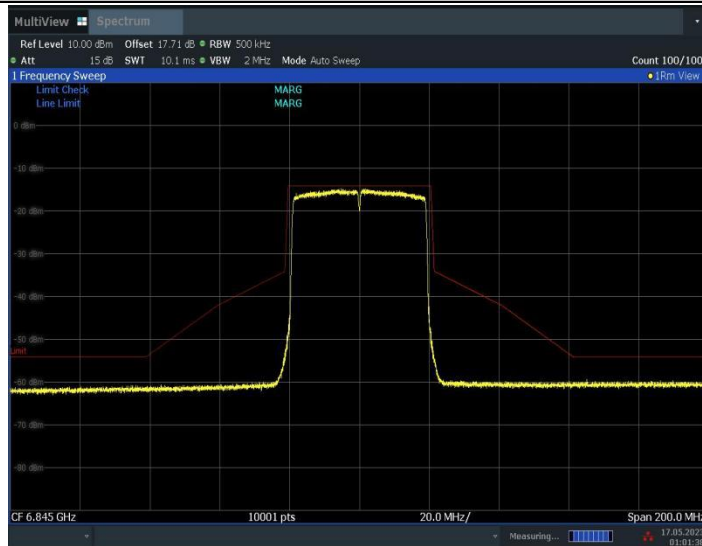
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11AX40MIMO_Ant2_6845



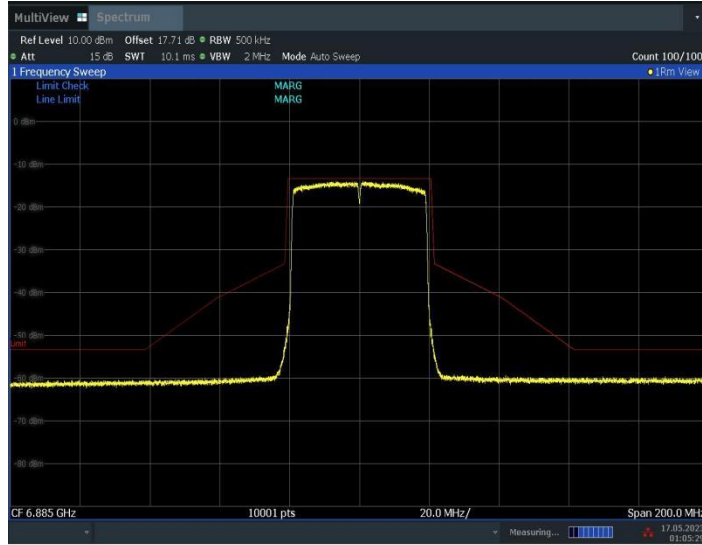
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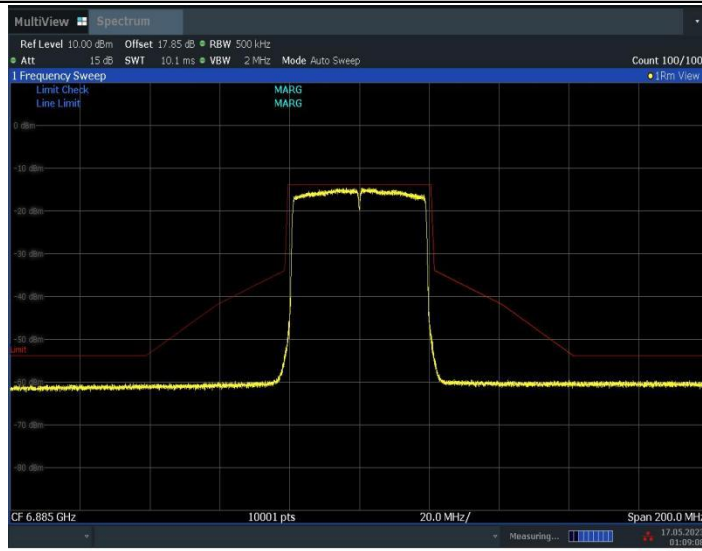
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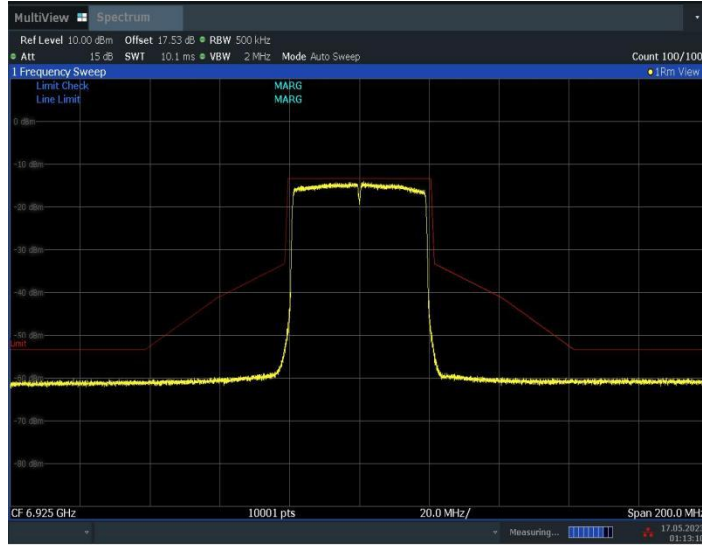
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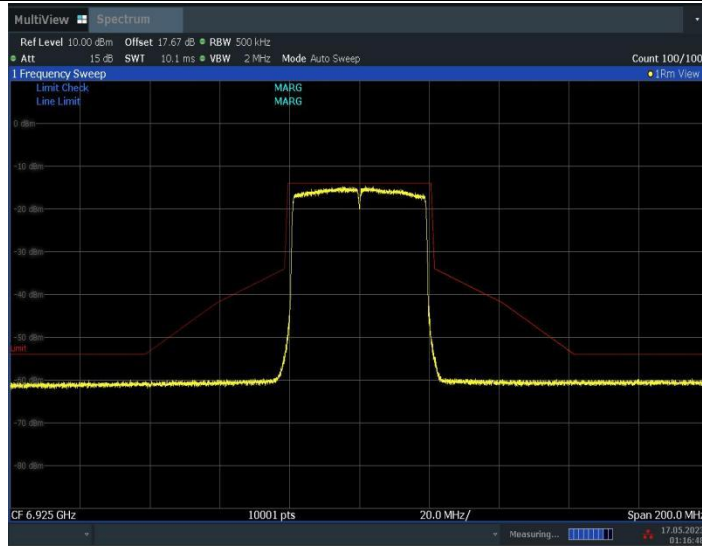
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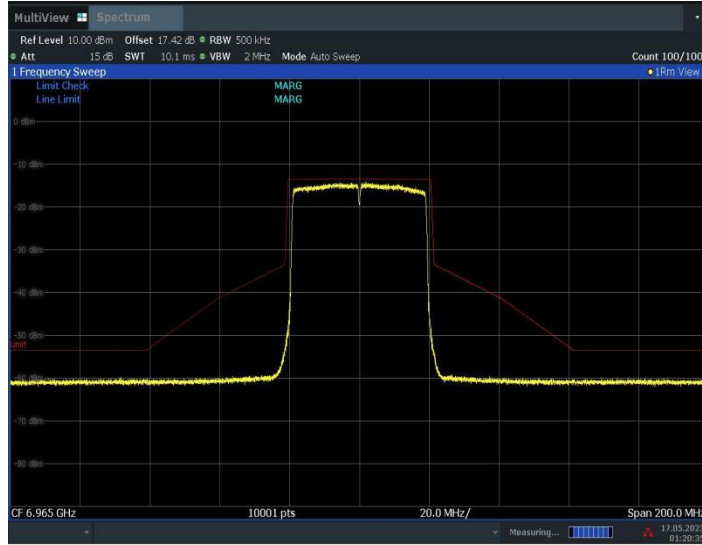
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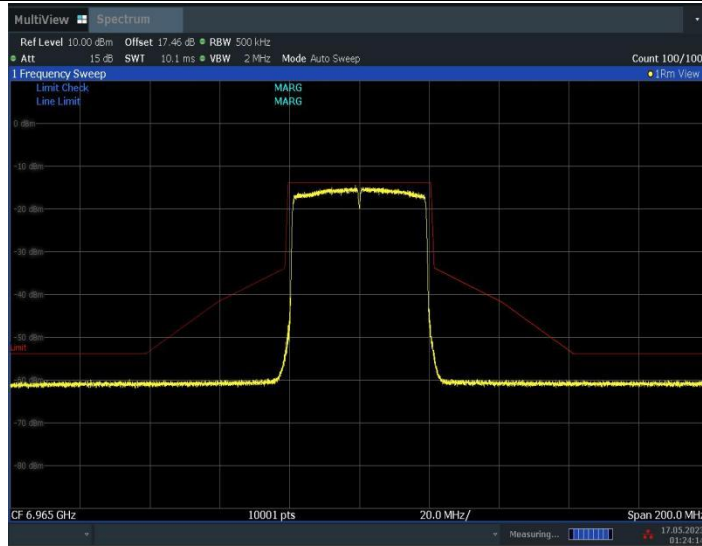
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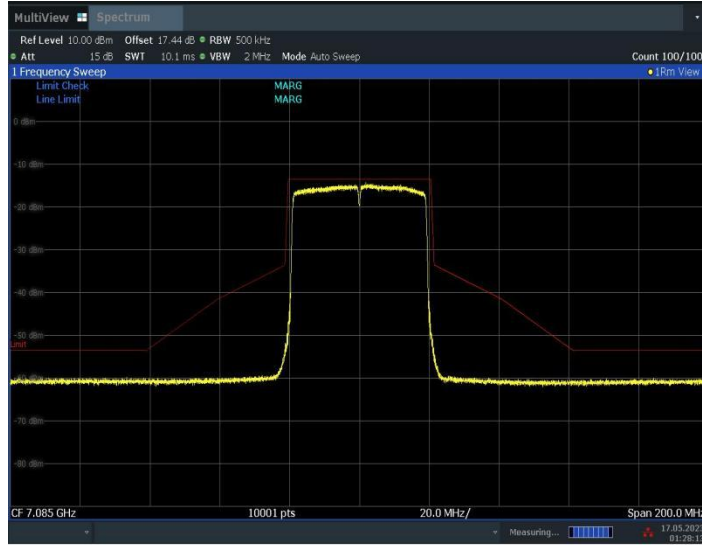
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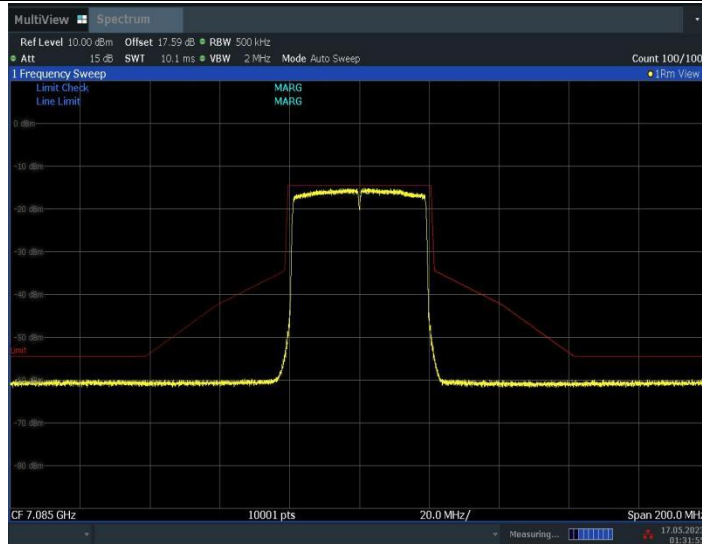
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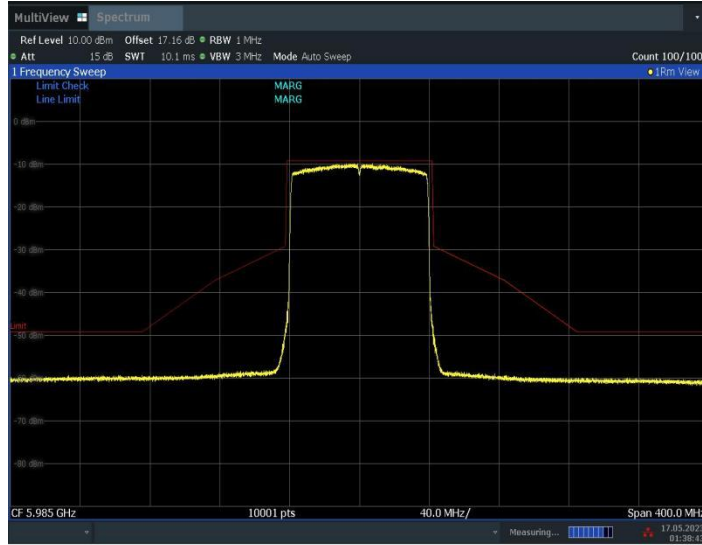
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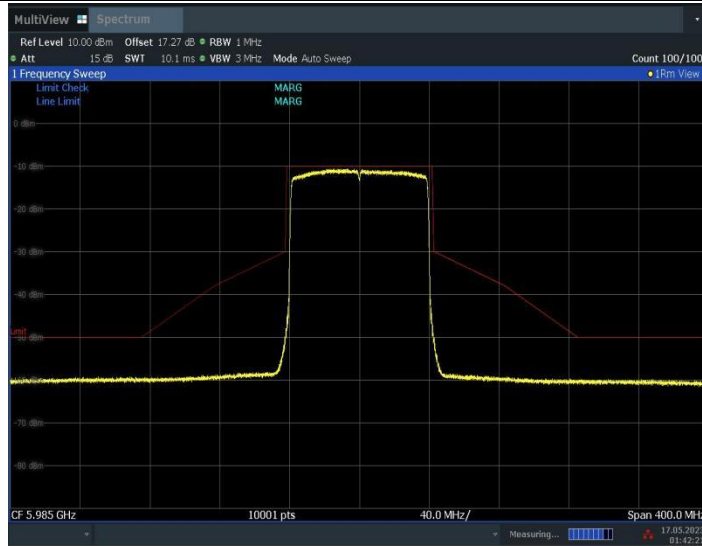
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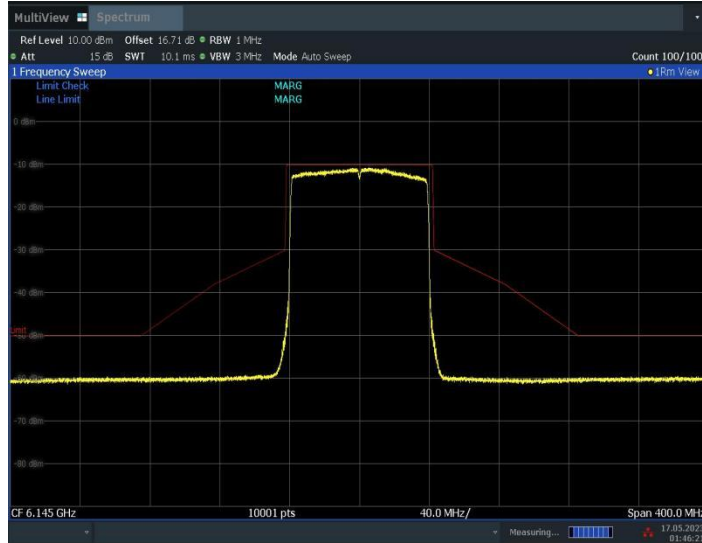
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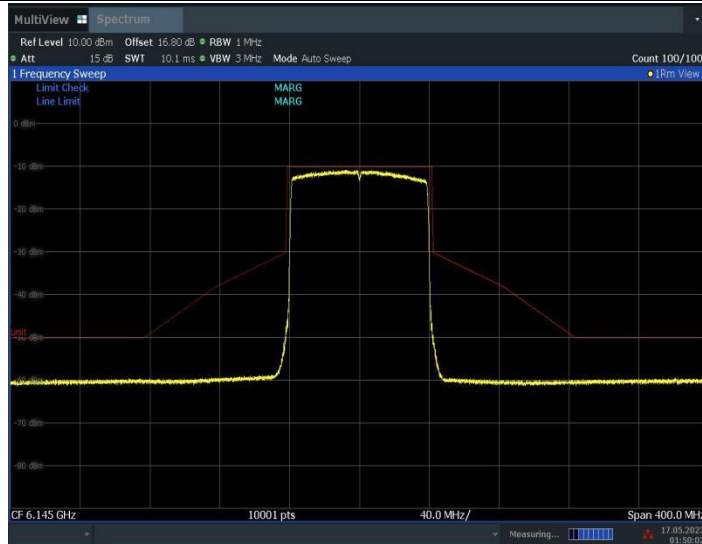
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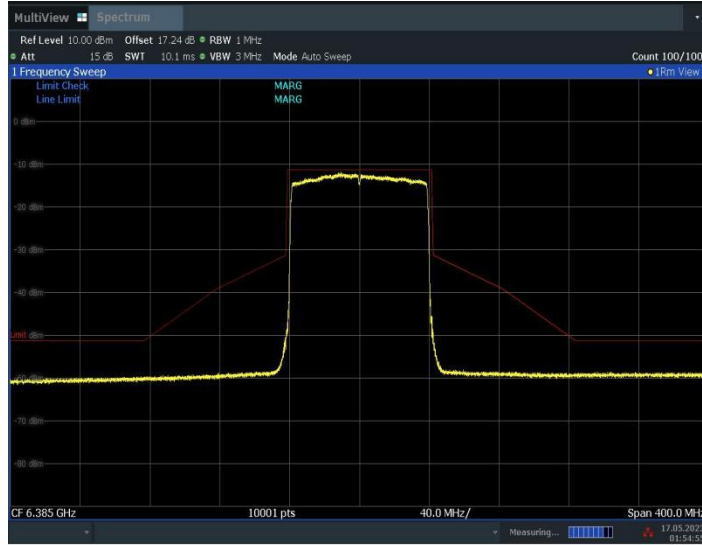
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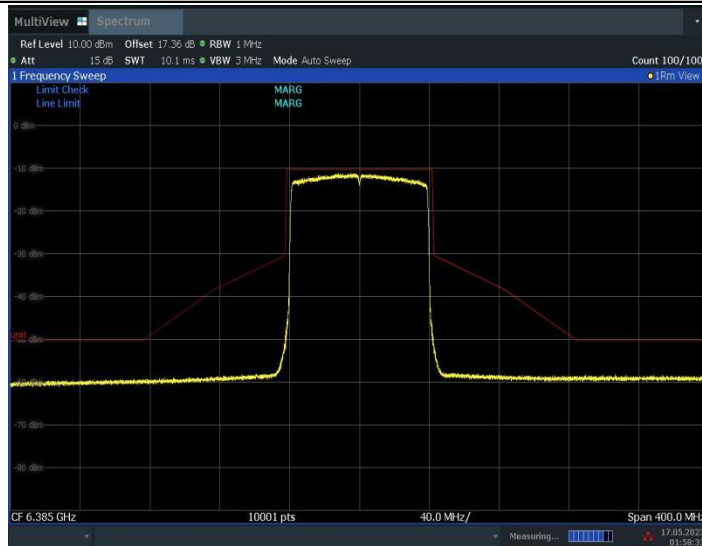
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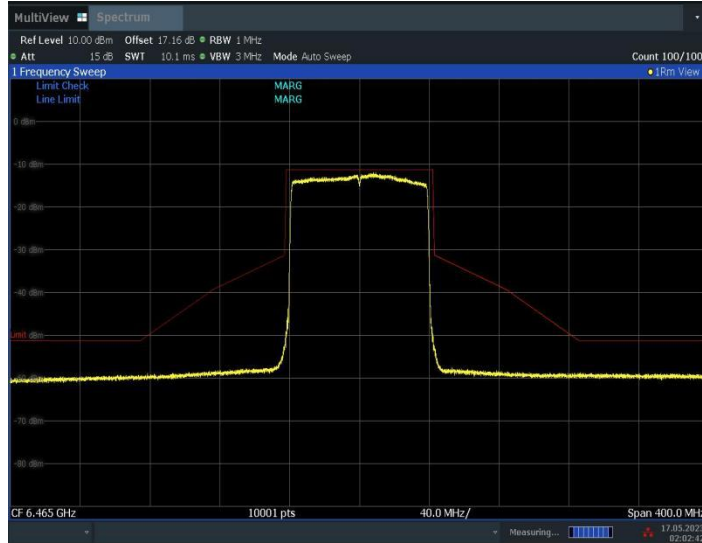
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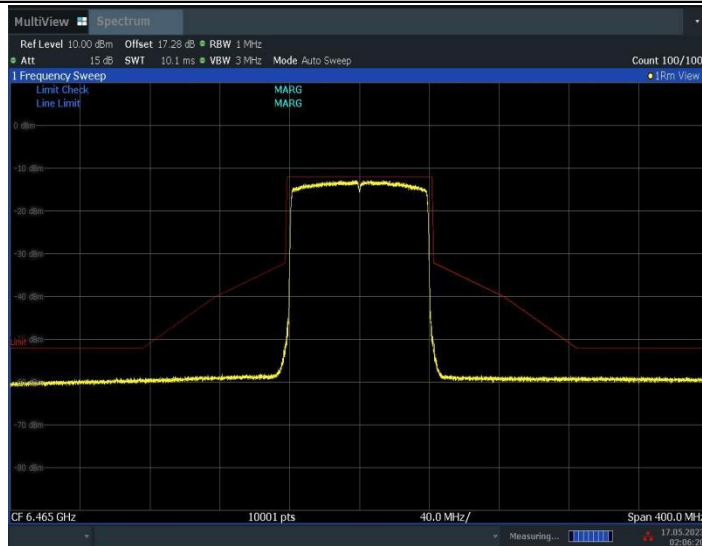
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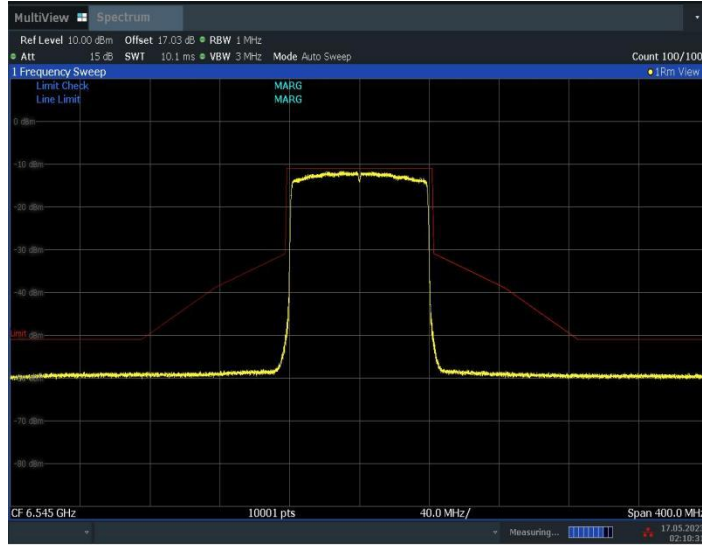
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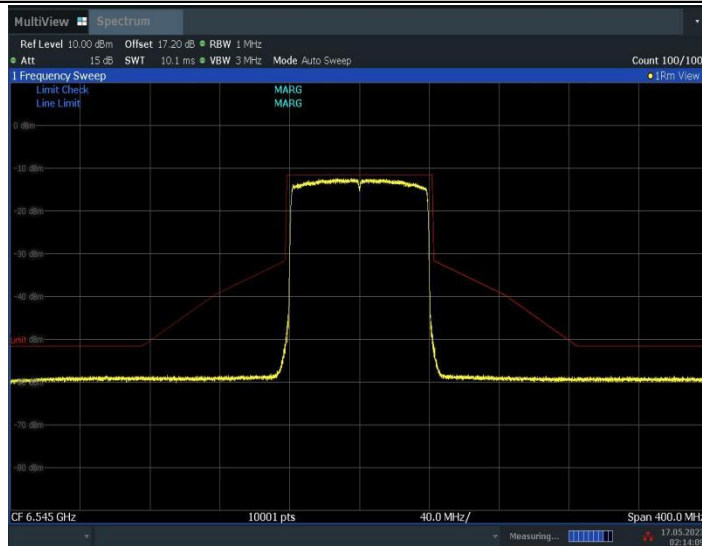
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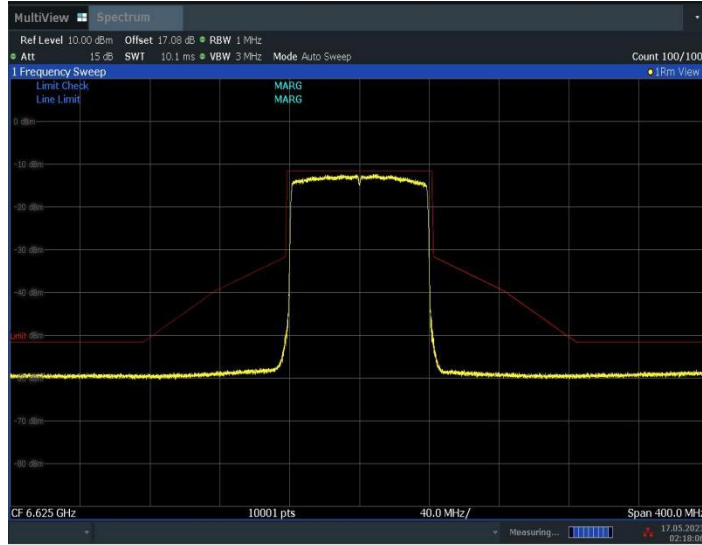
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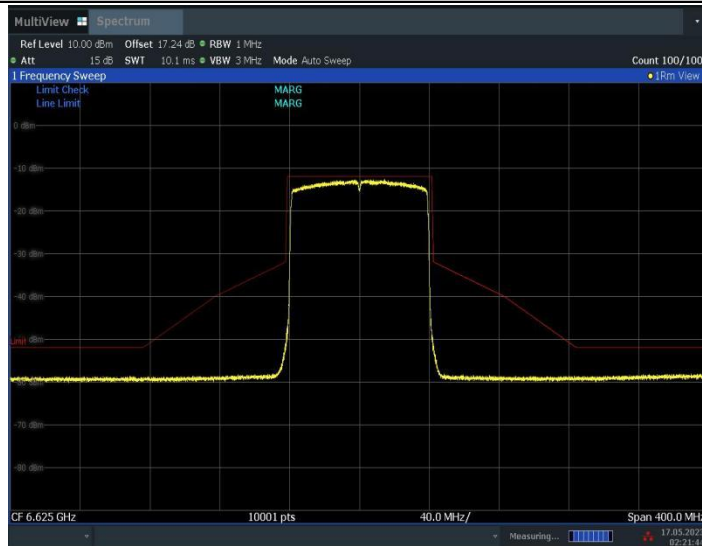
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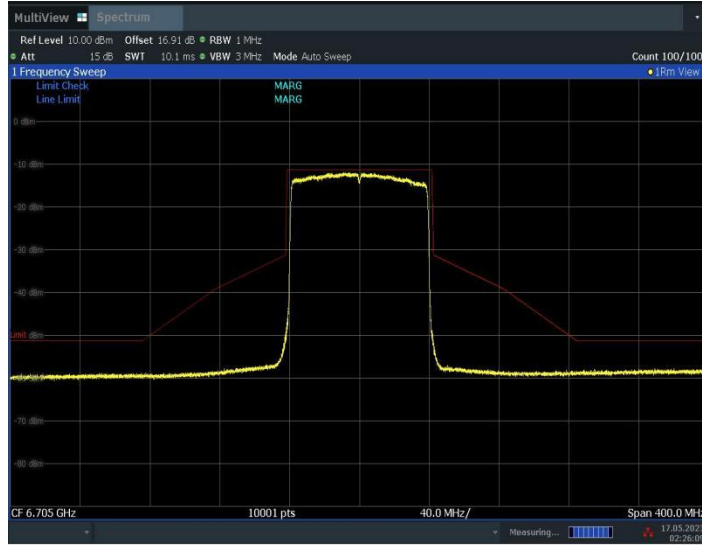
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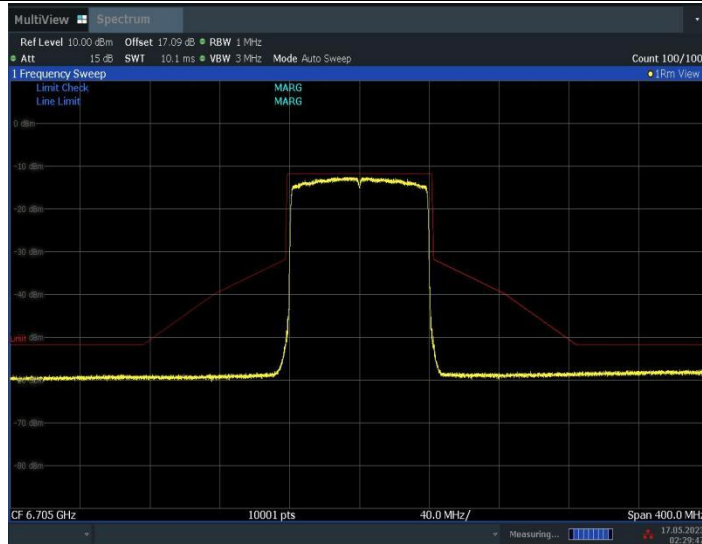
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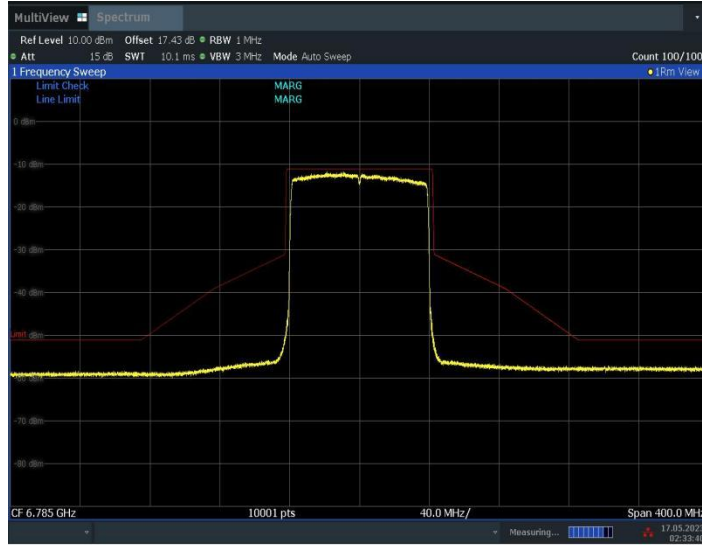
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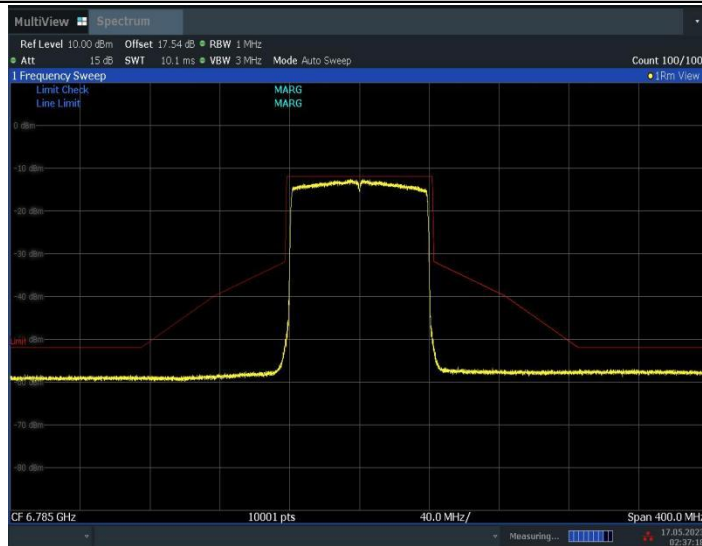
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02:37:19 17.05.2023

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