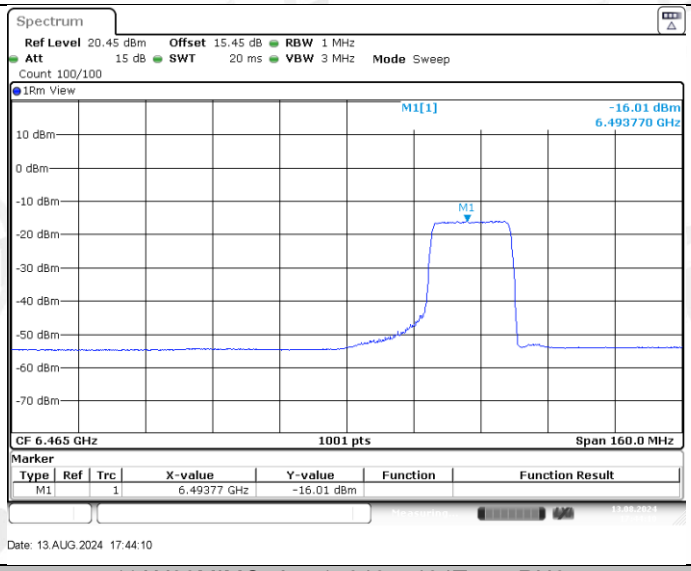
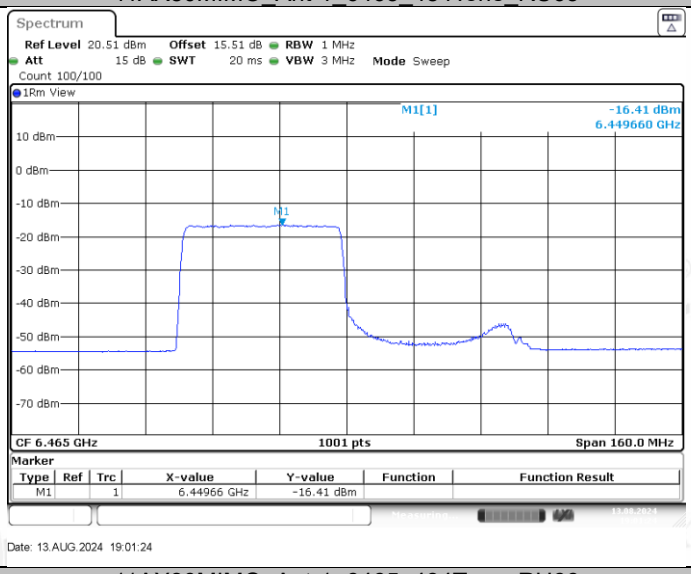


11AX80MIMO_Ant-1_6465_484Tone_RU65



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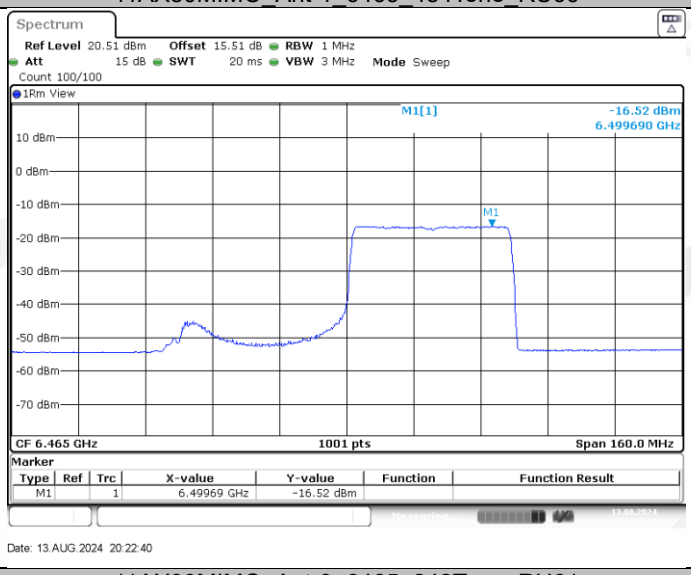

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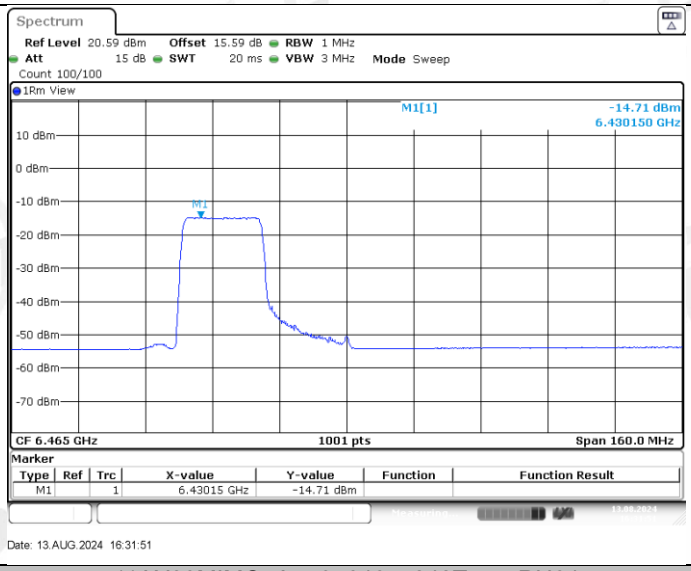

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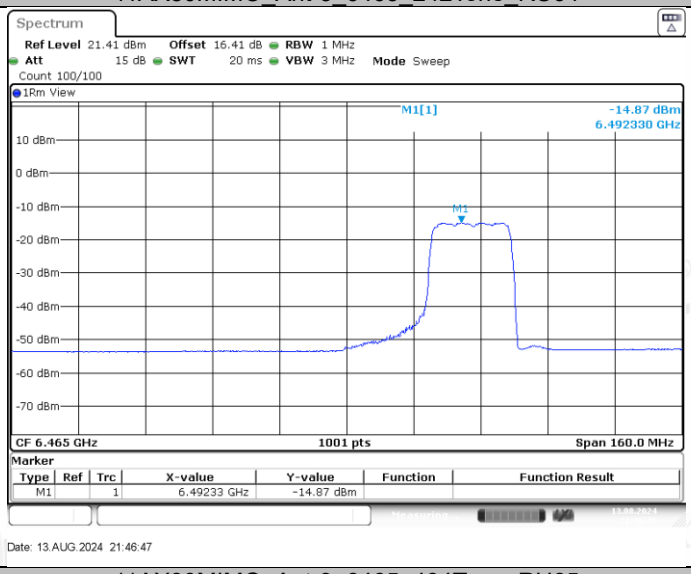

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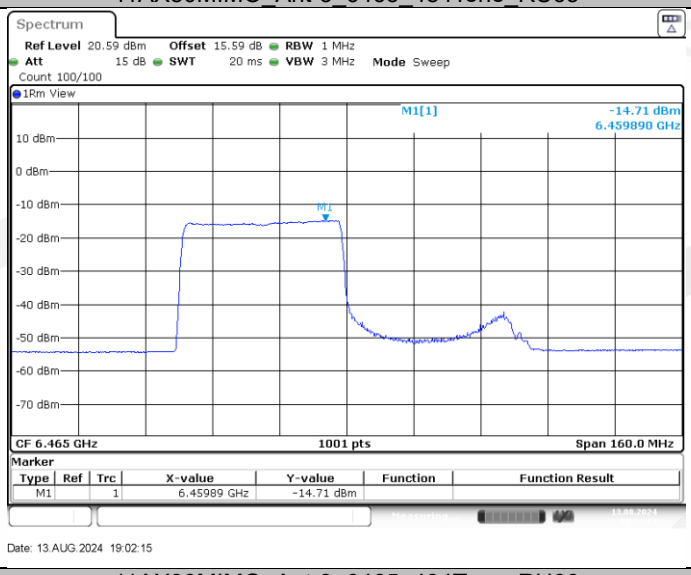

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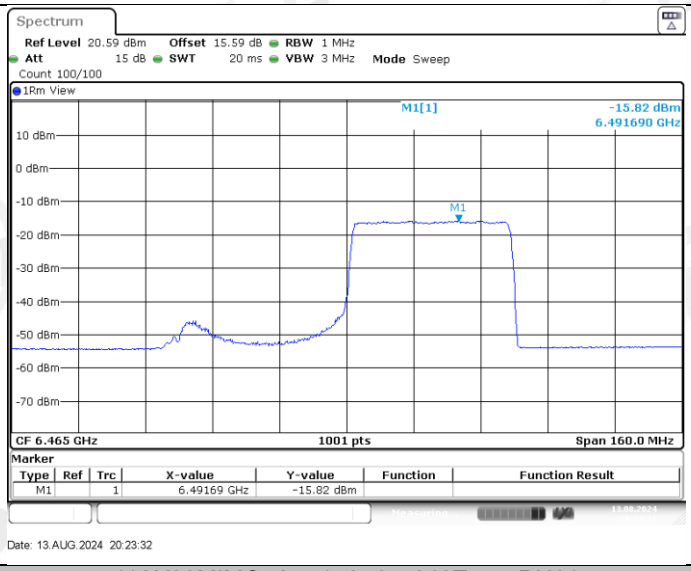

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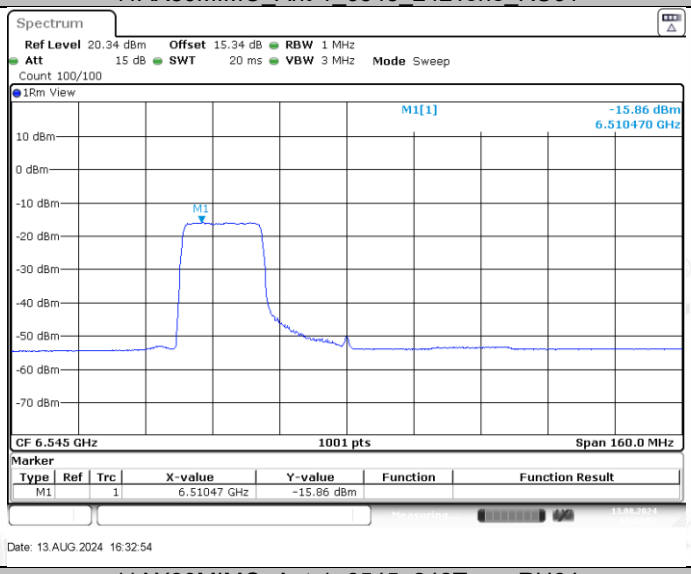

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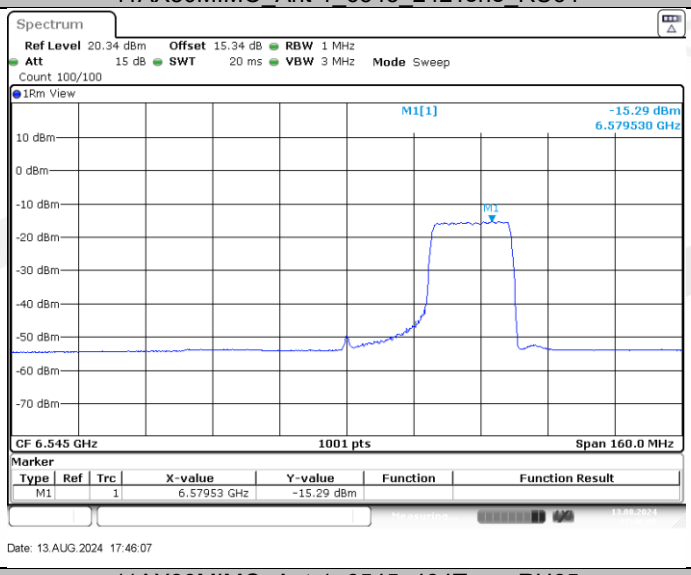

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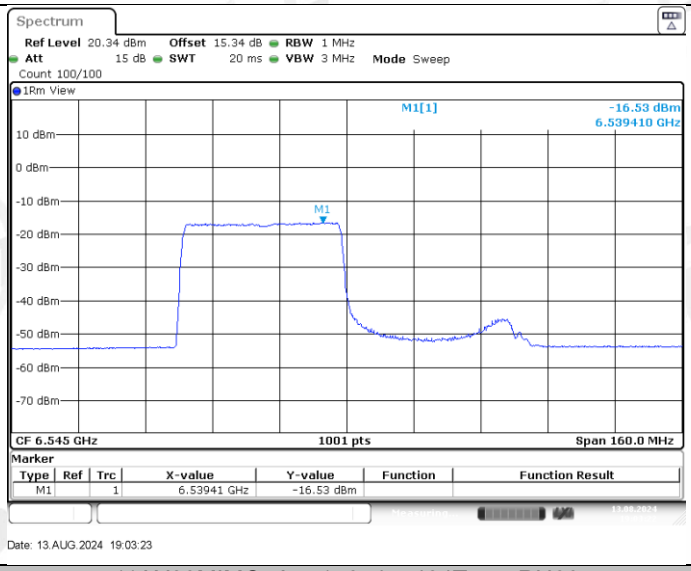

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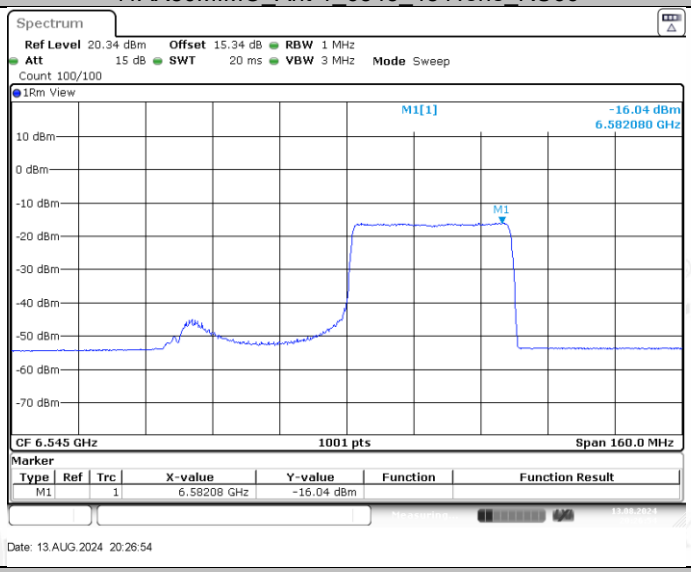

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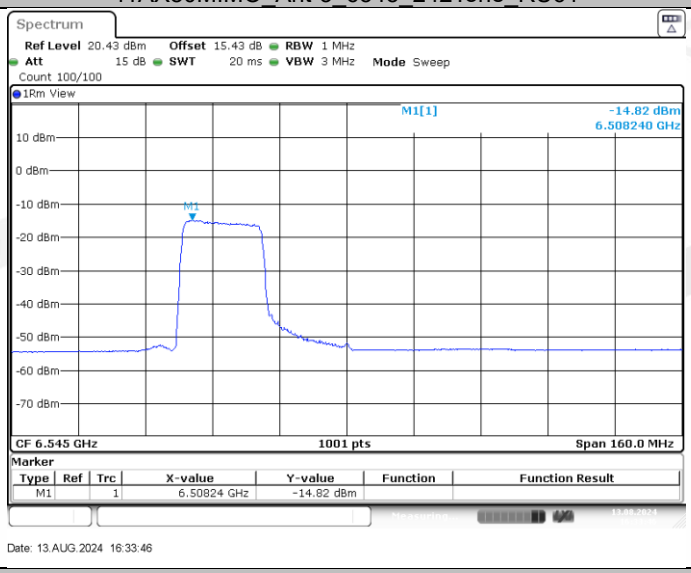

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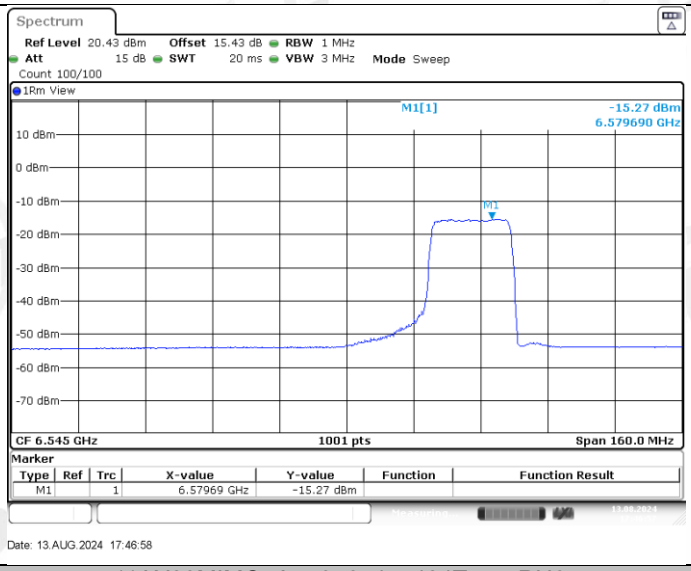

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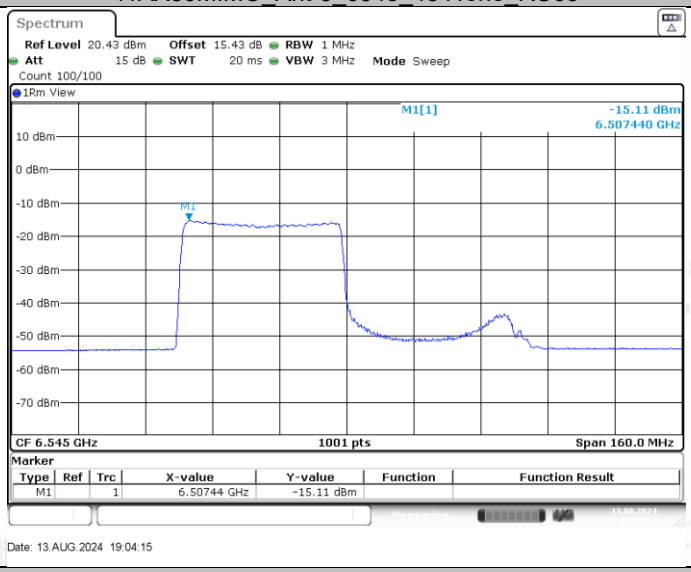

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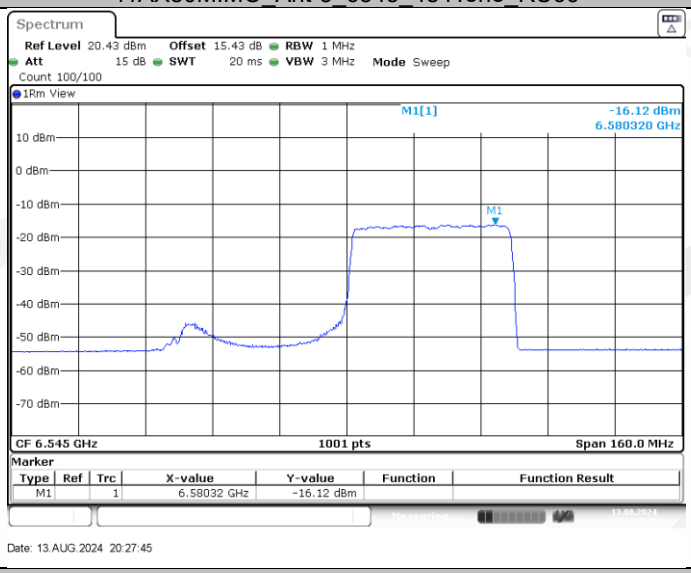

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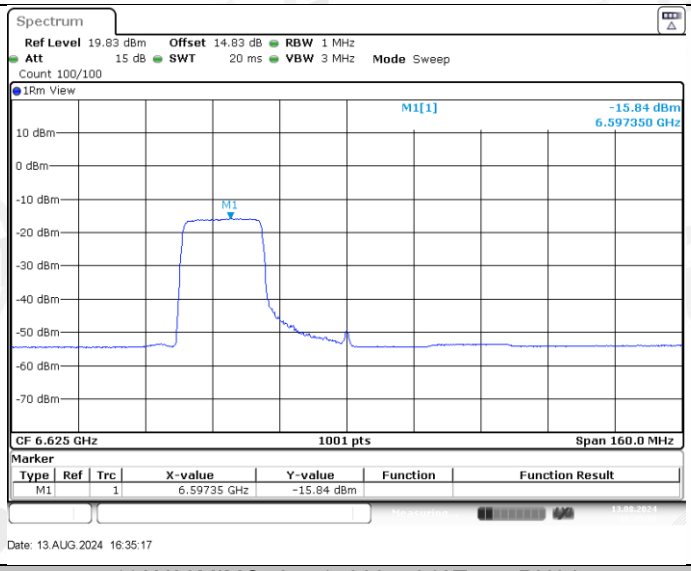

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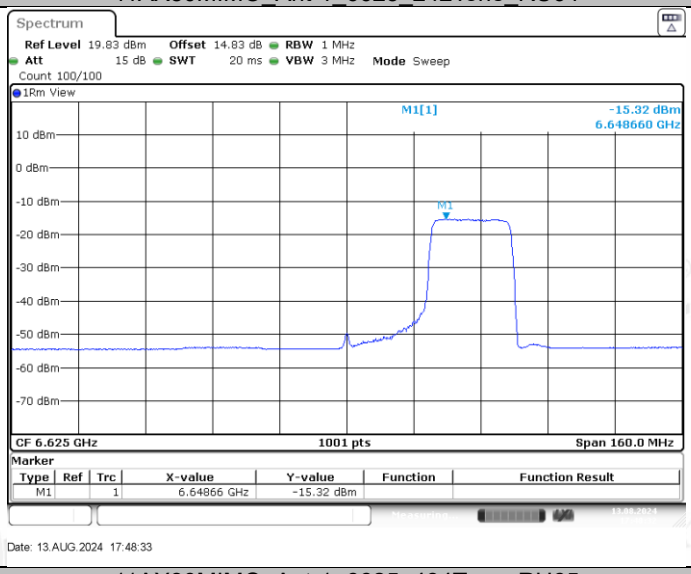

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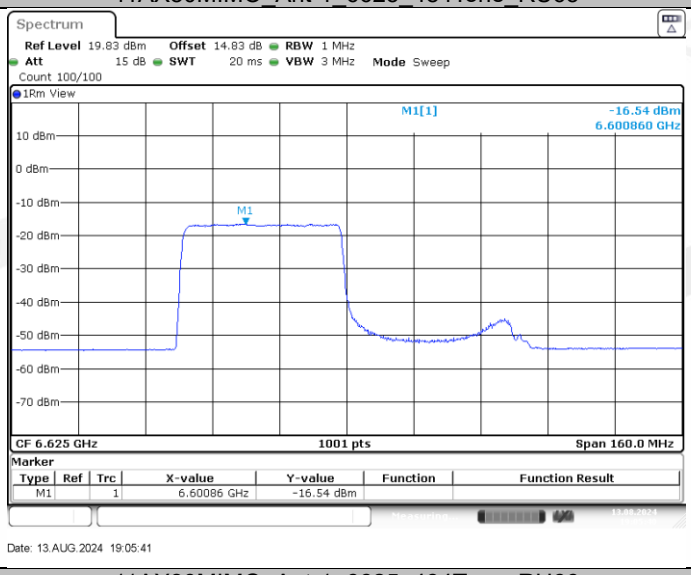

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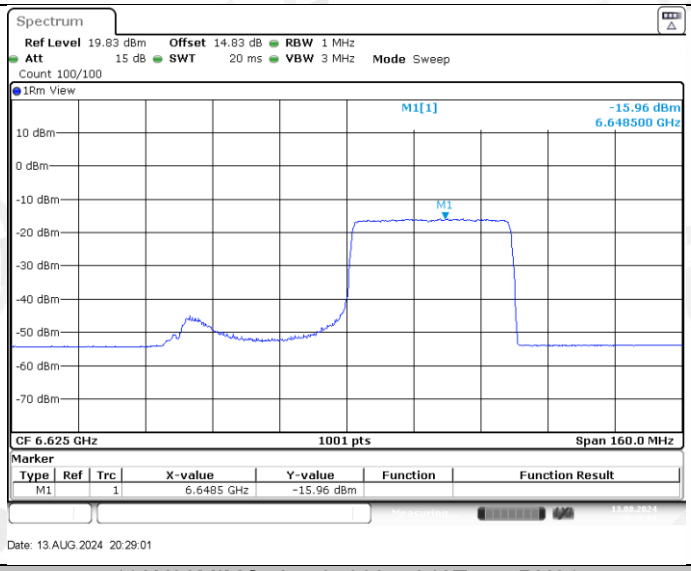

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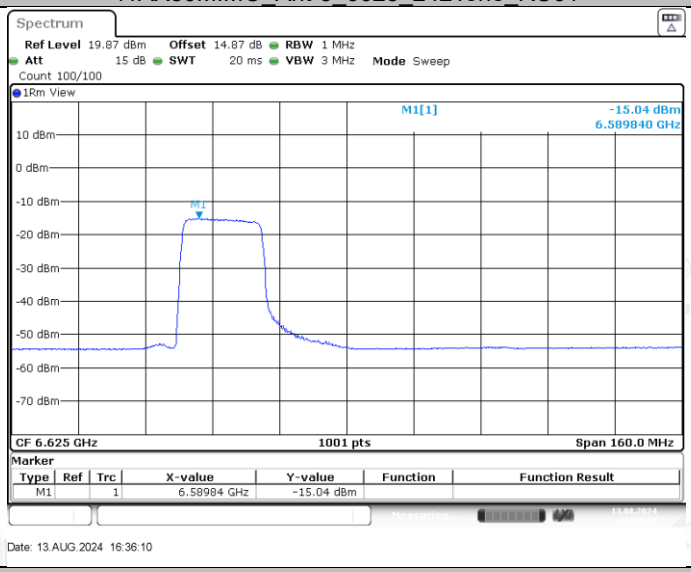

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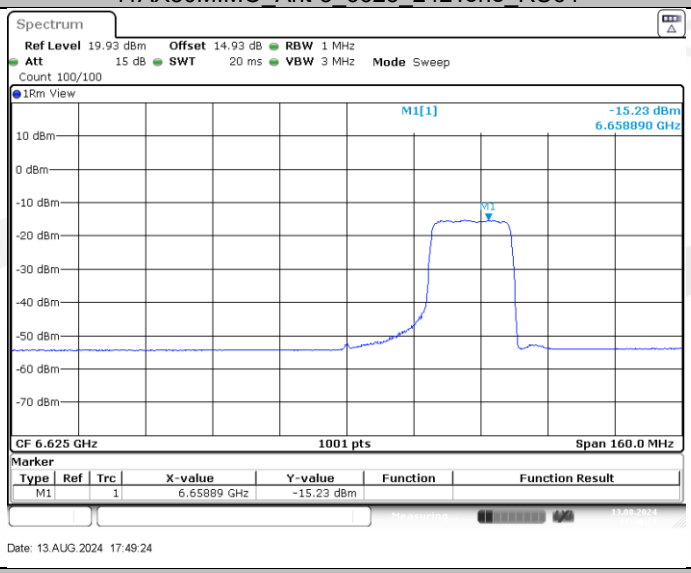

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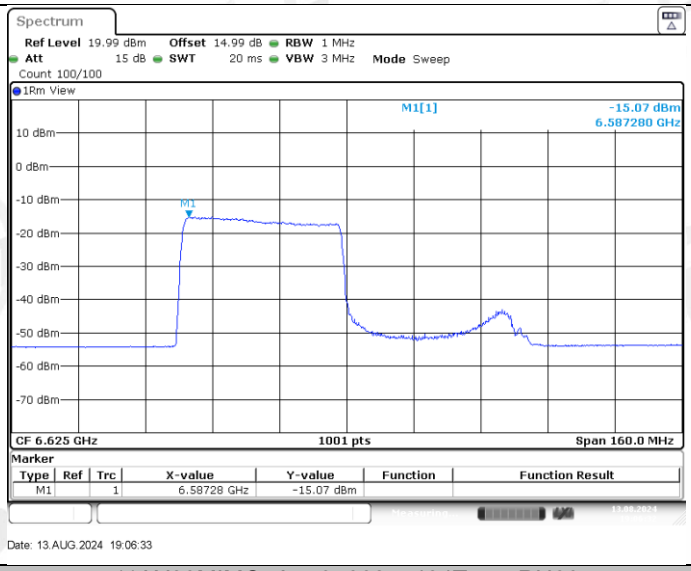

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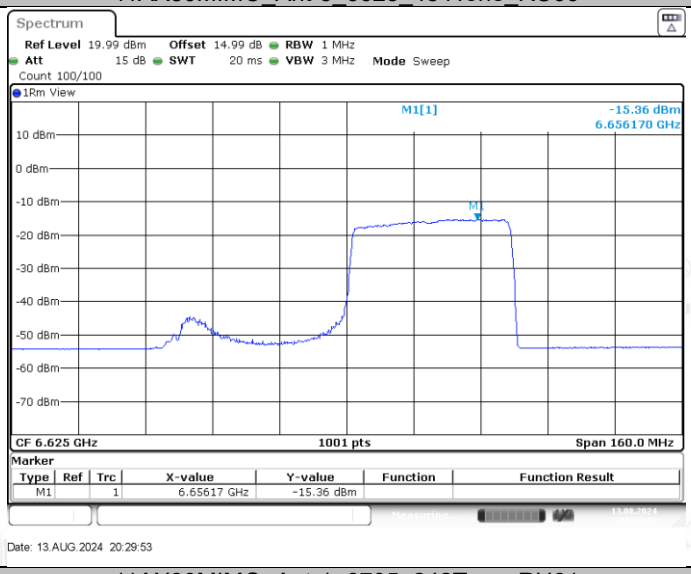

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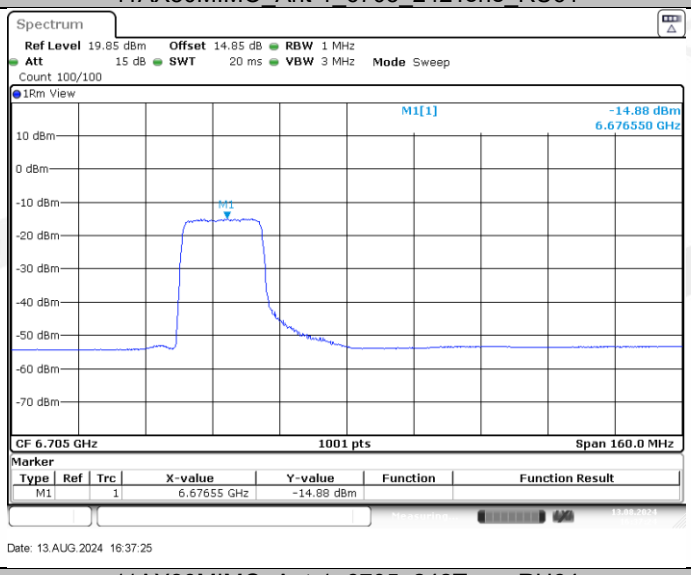

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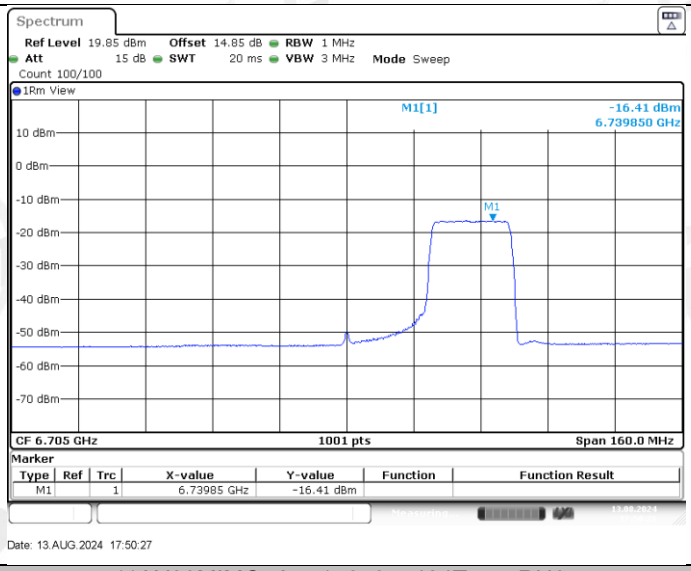

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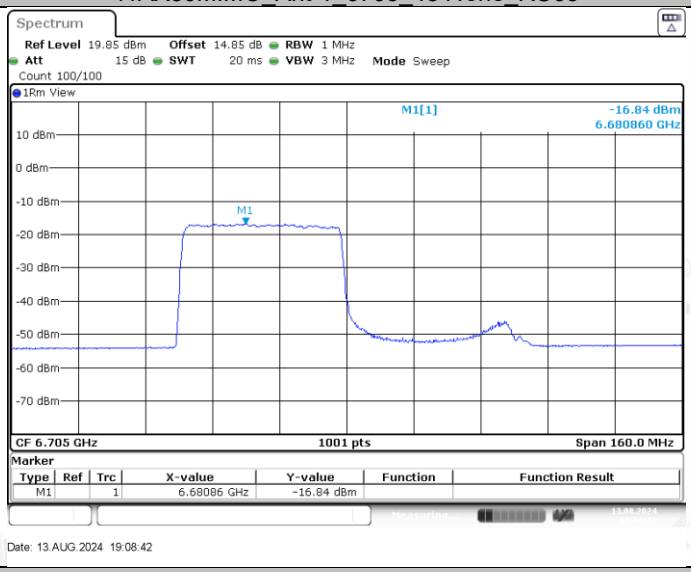

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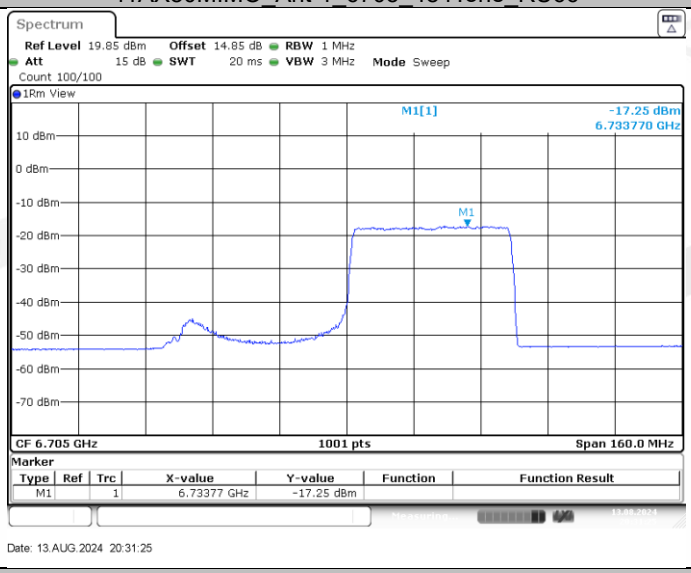

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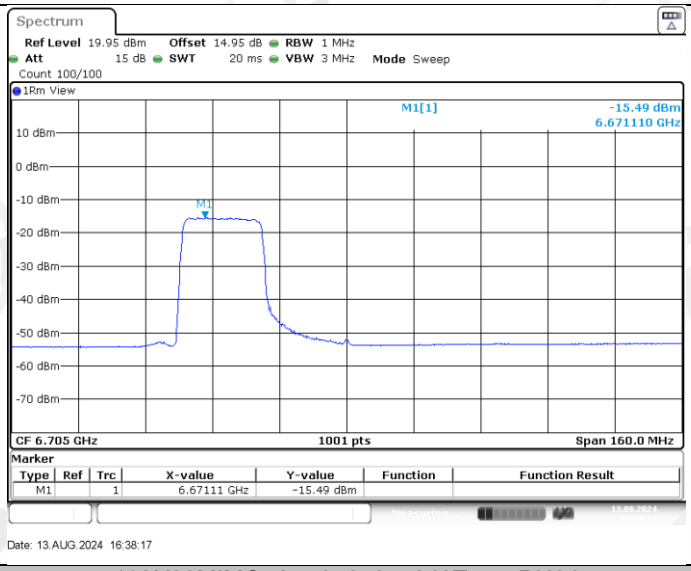

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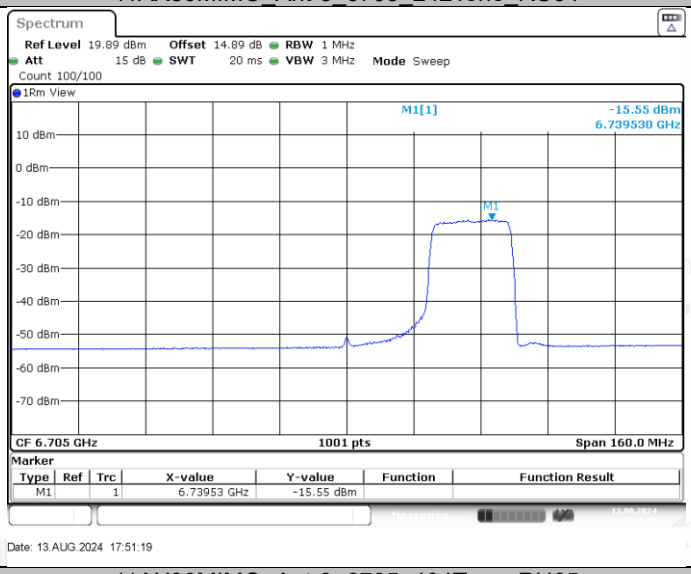

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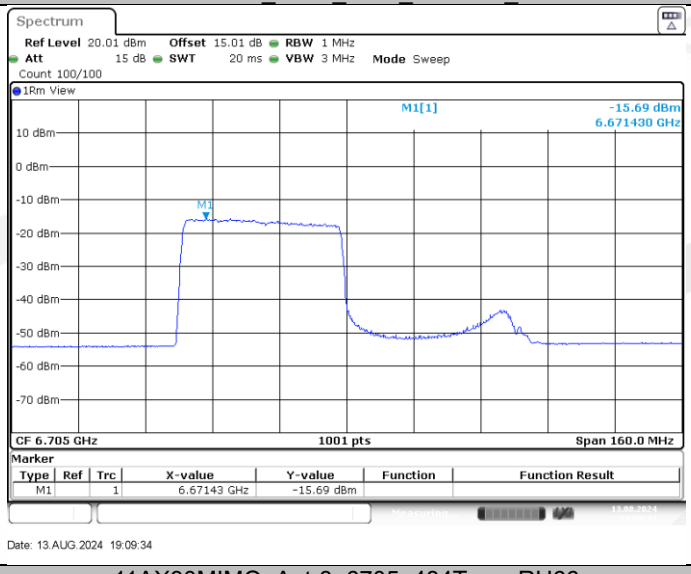

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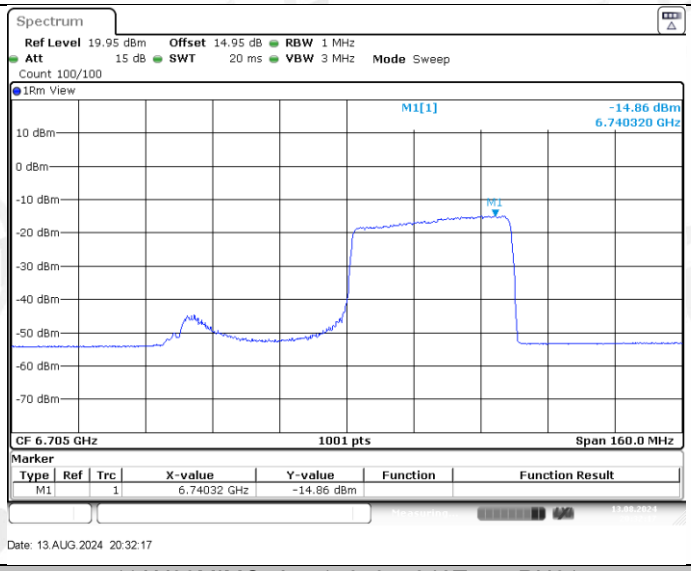

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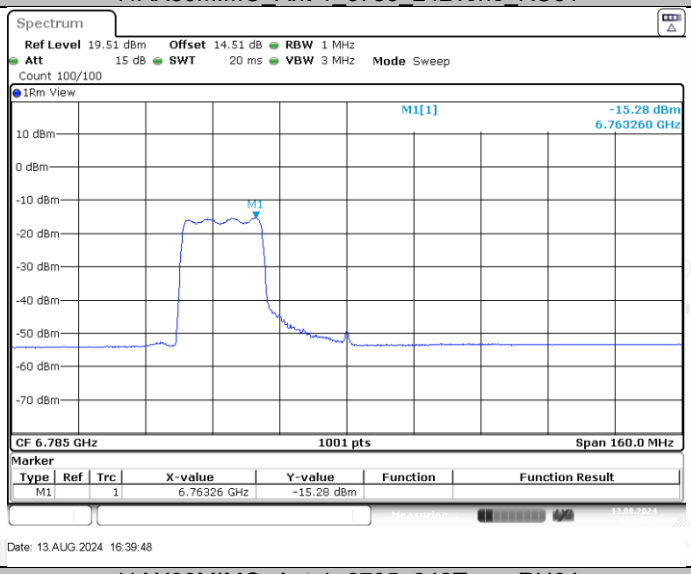

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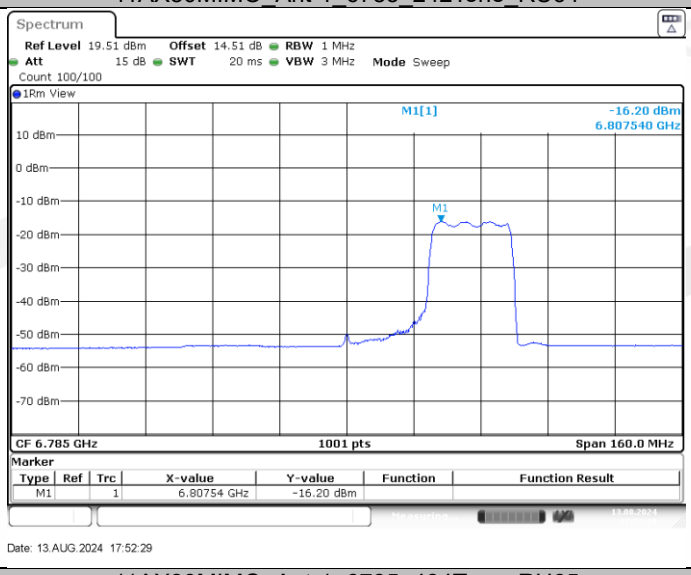

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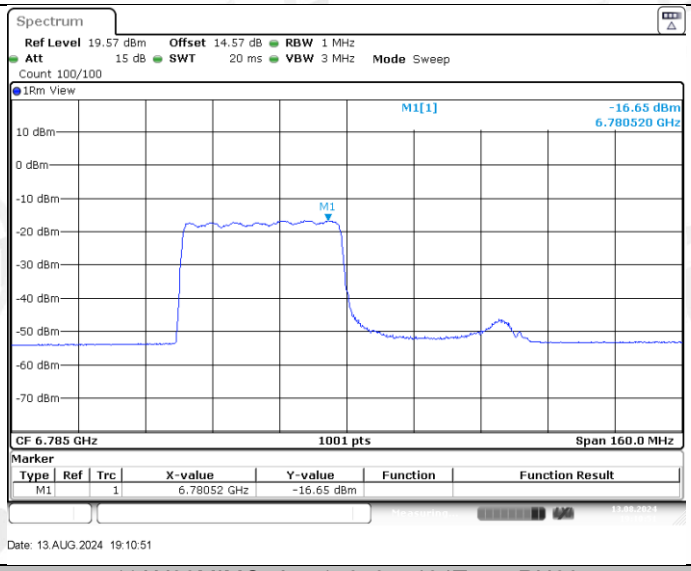

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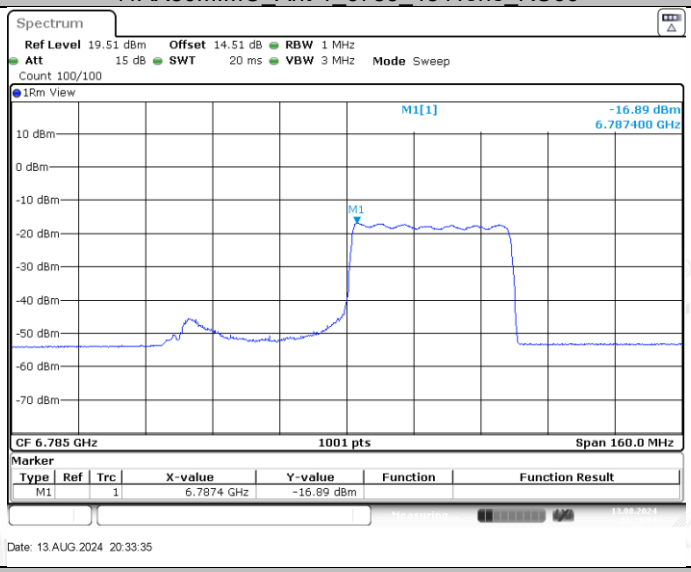

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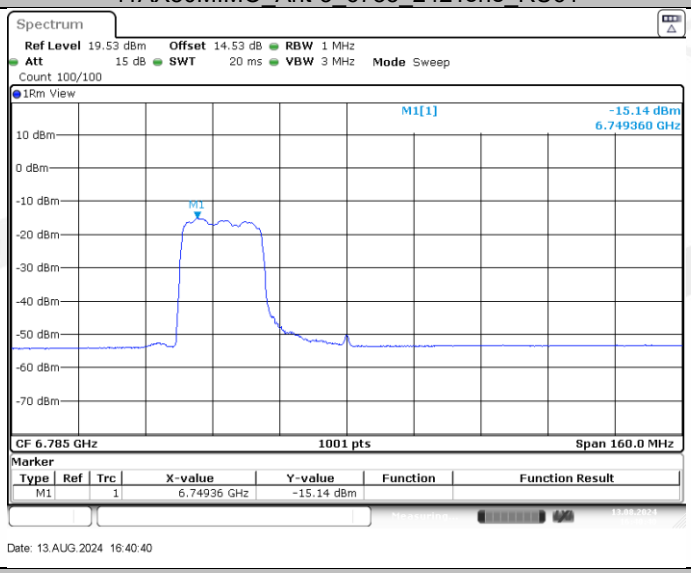

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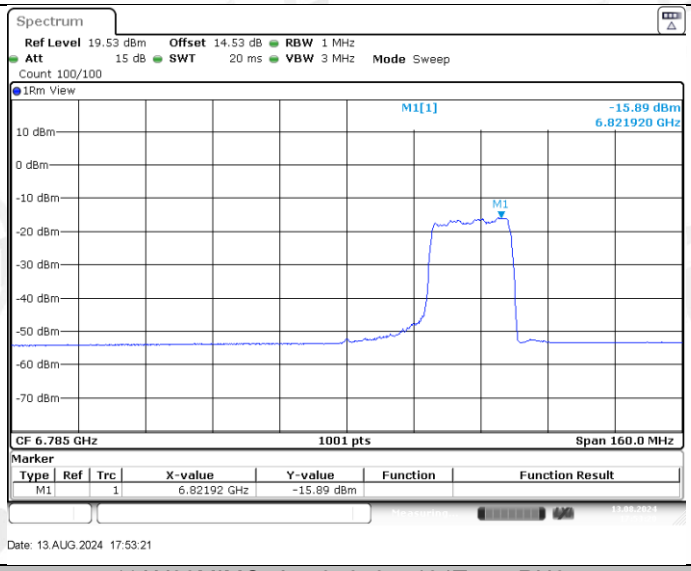

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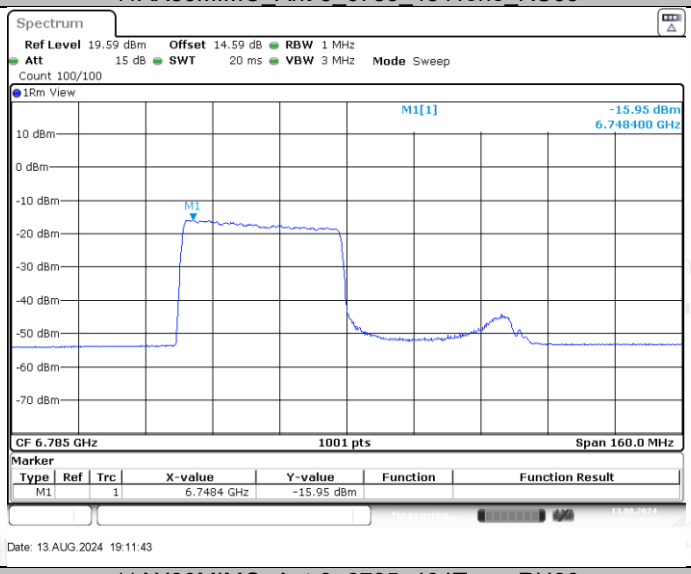

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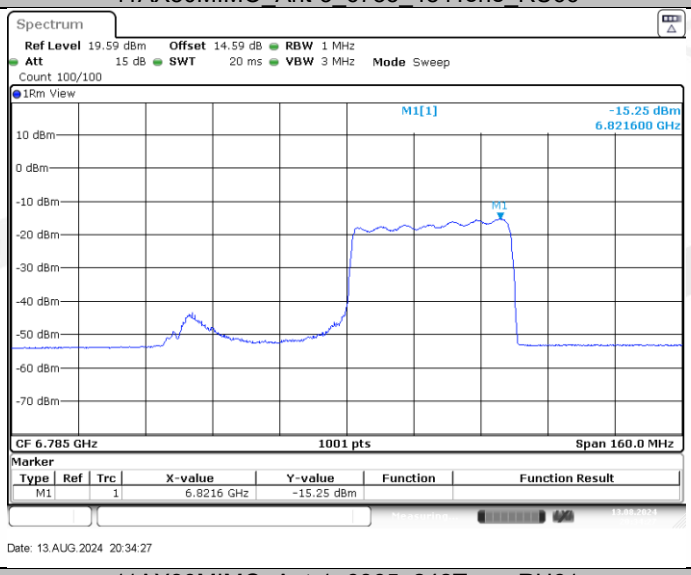

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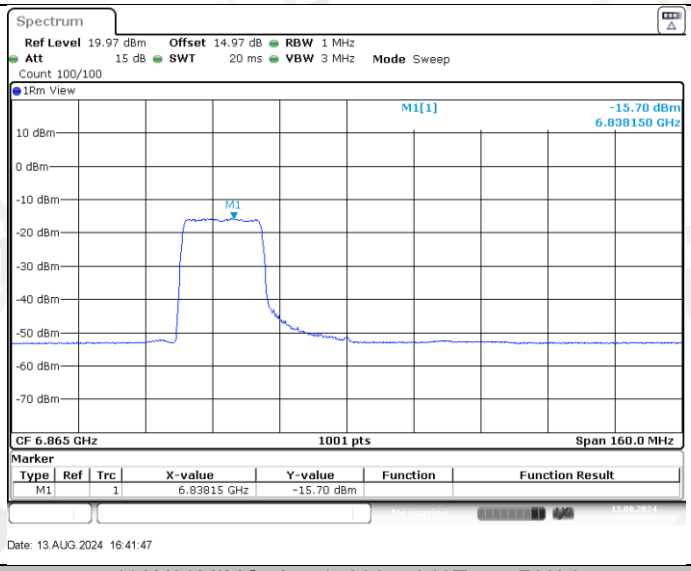

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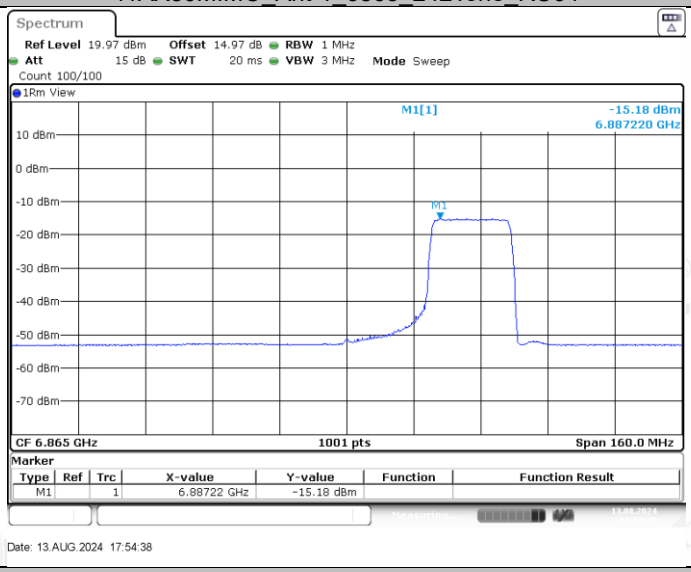

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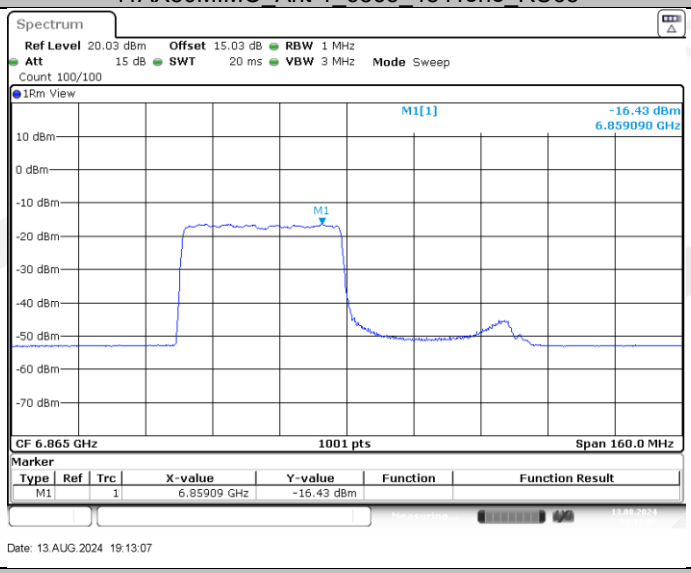

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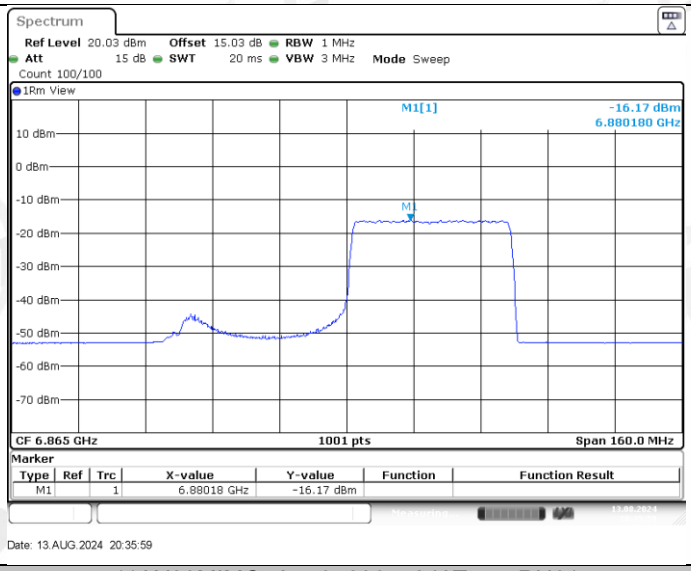

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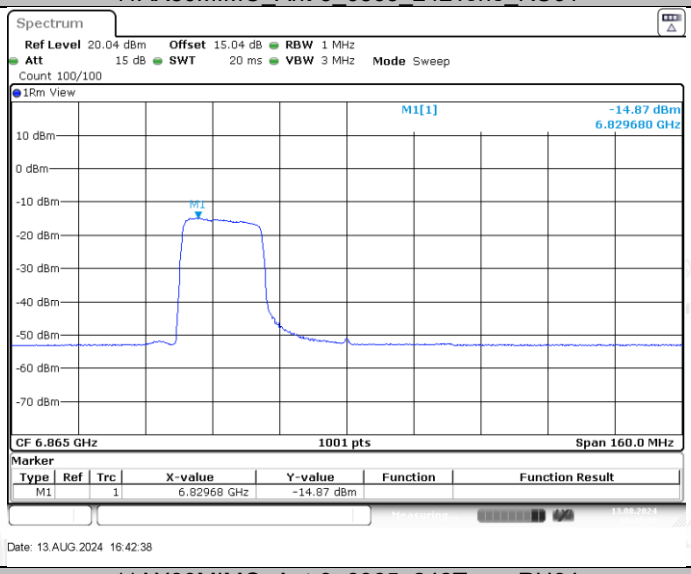

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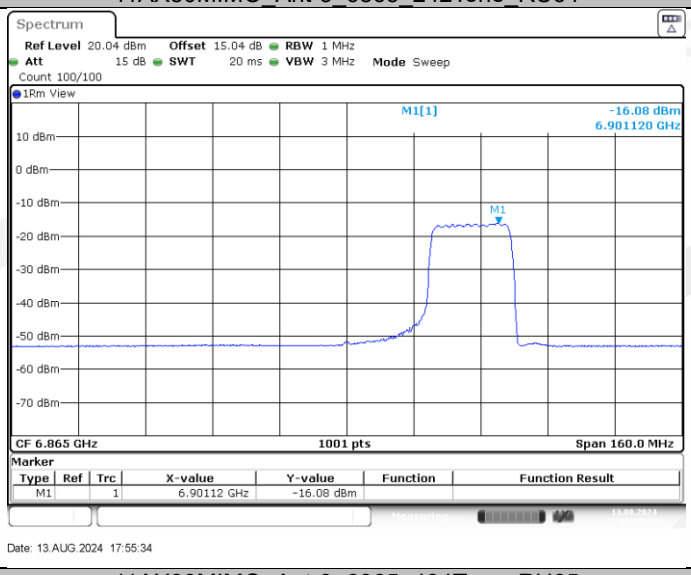

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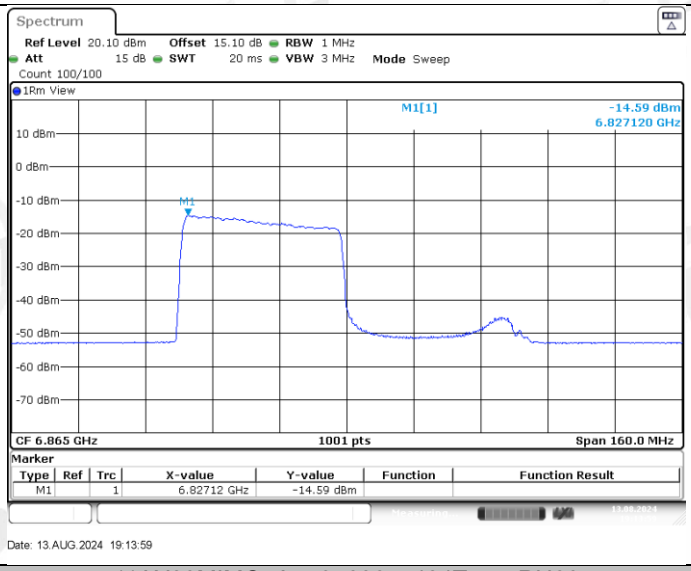

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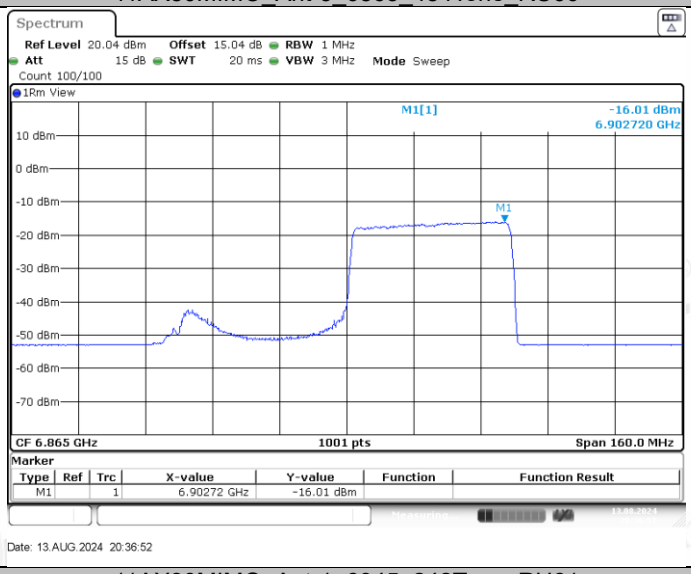

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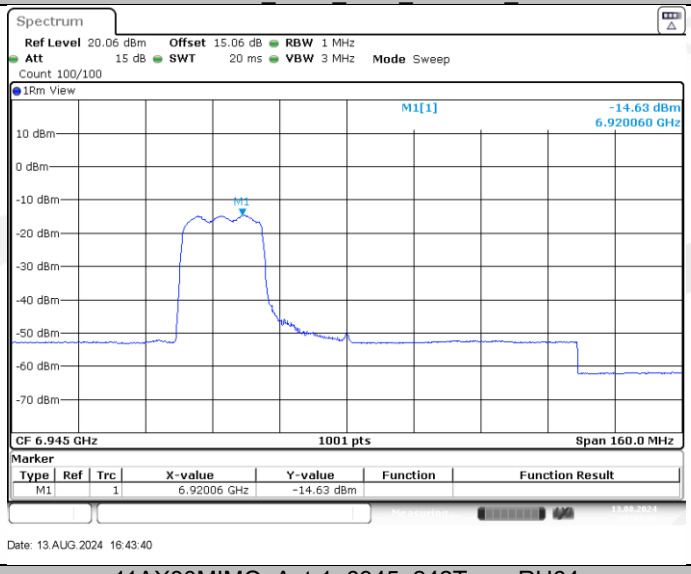

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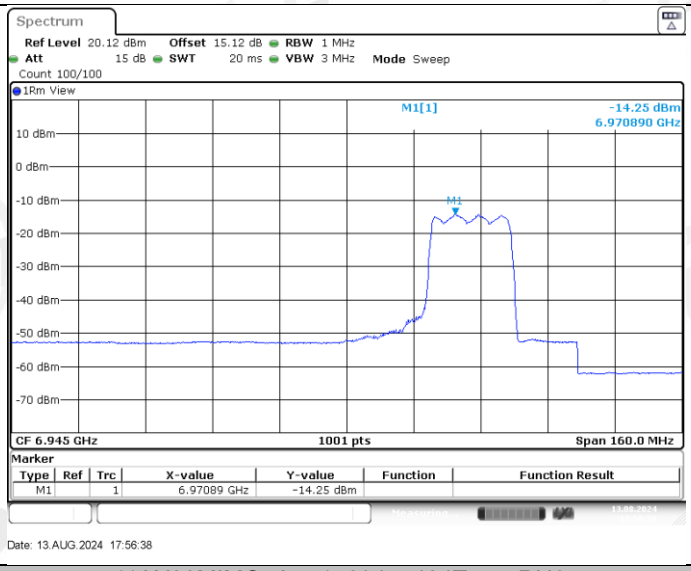

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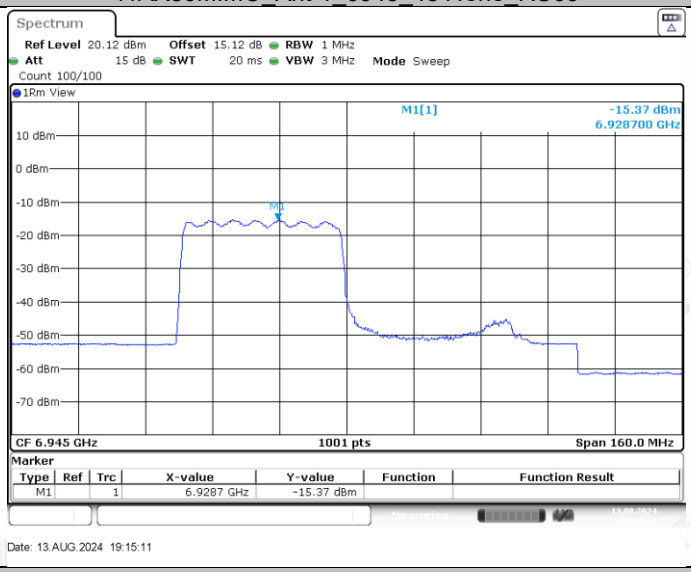

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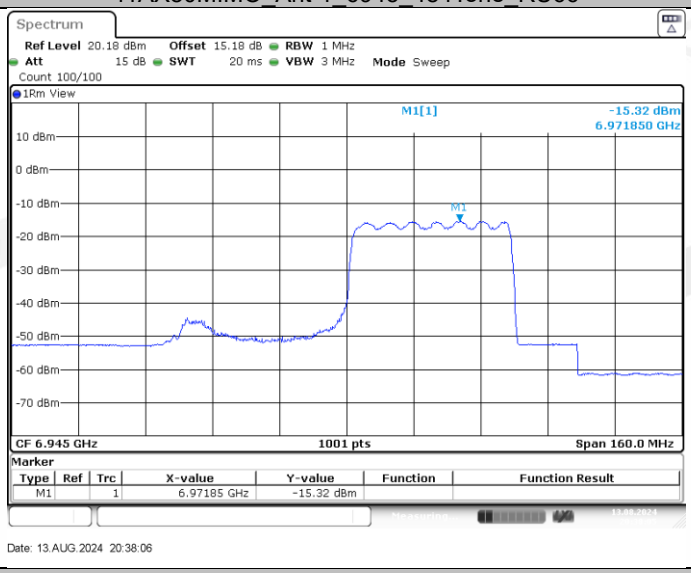

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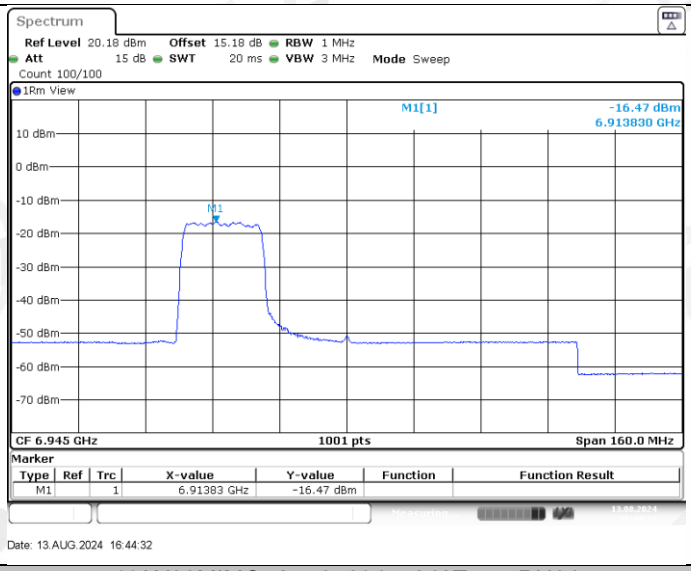

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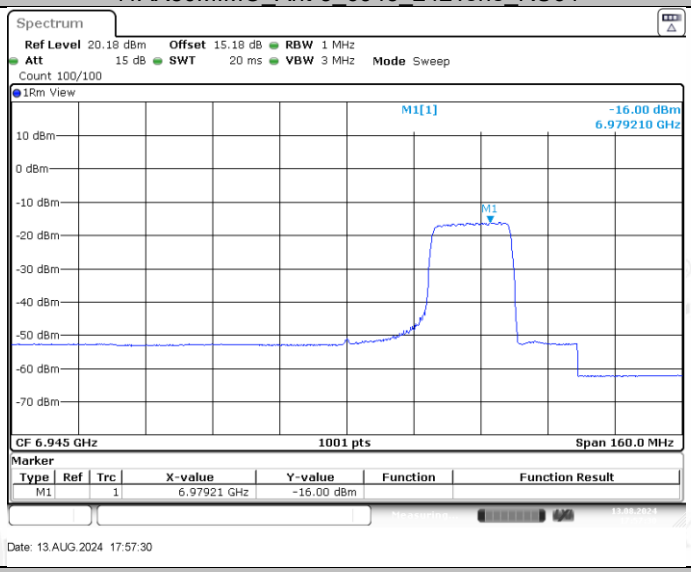

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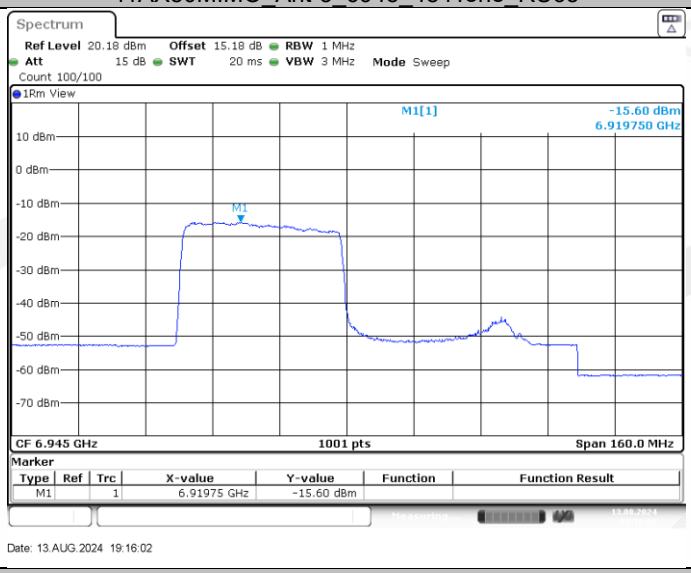

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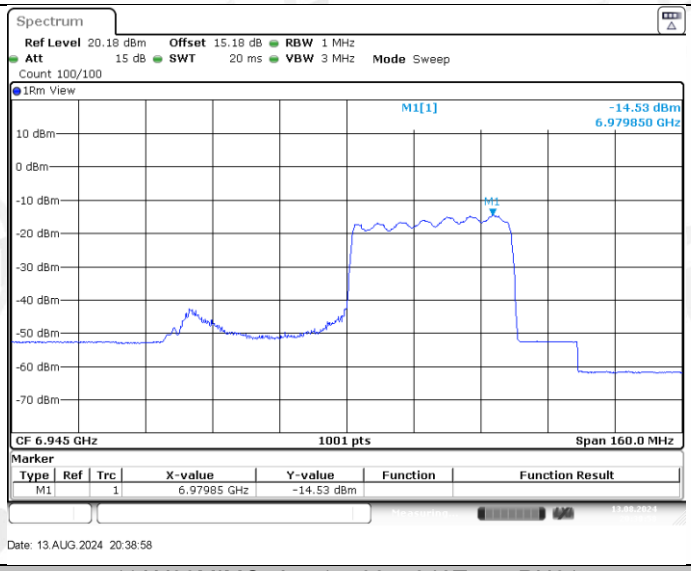

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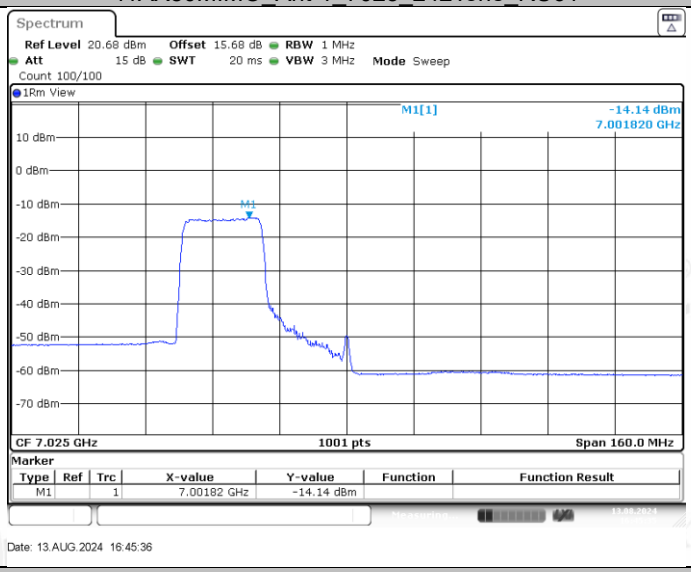

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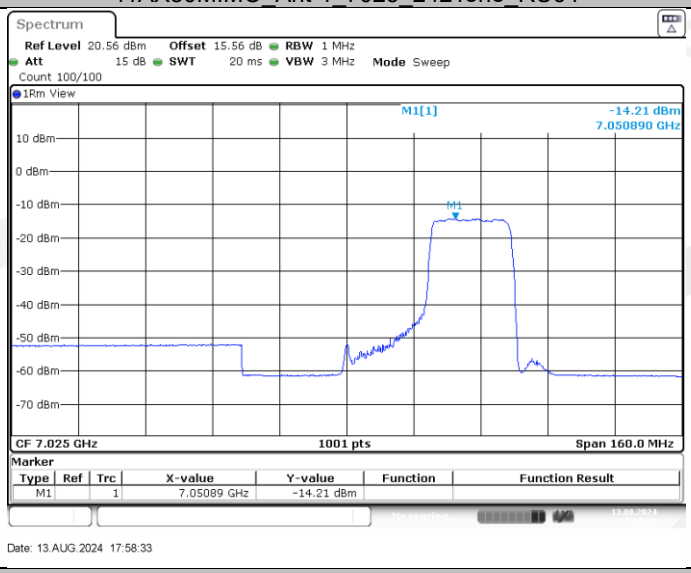

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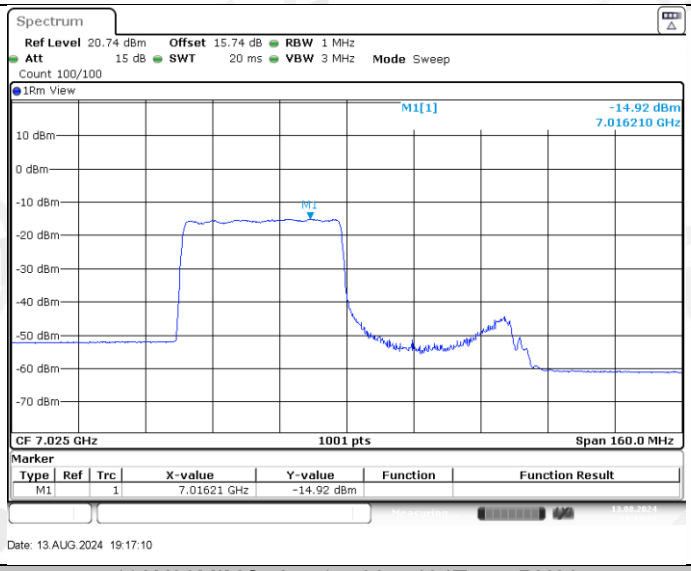

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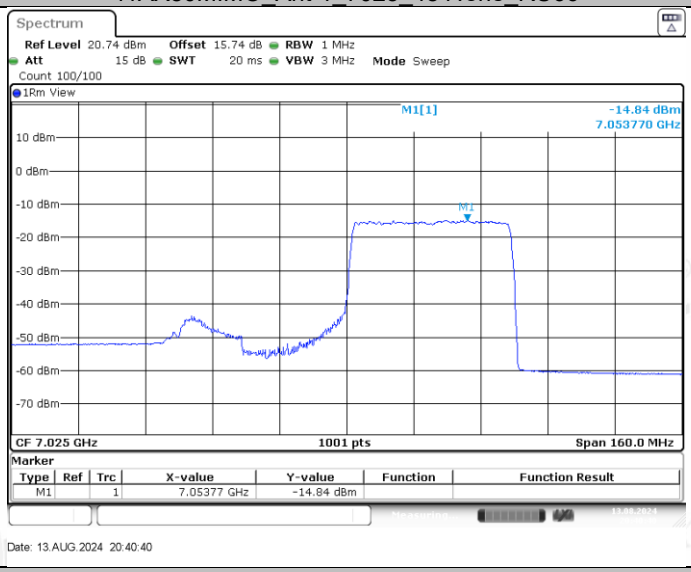

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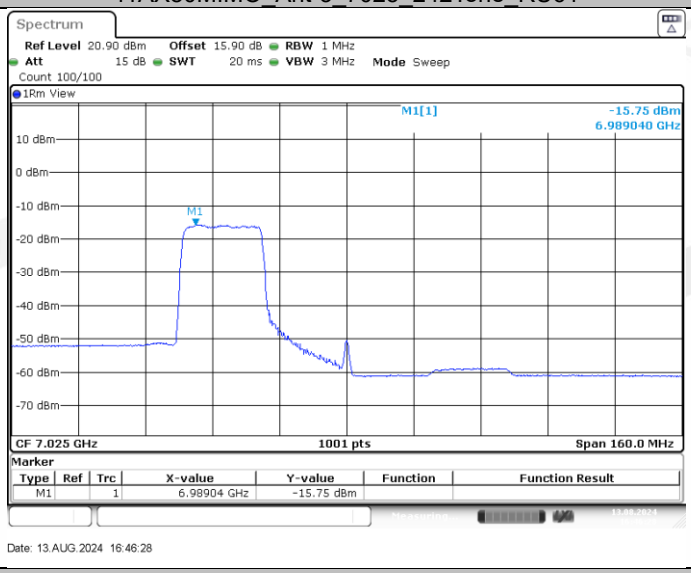

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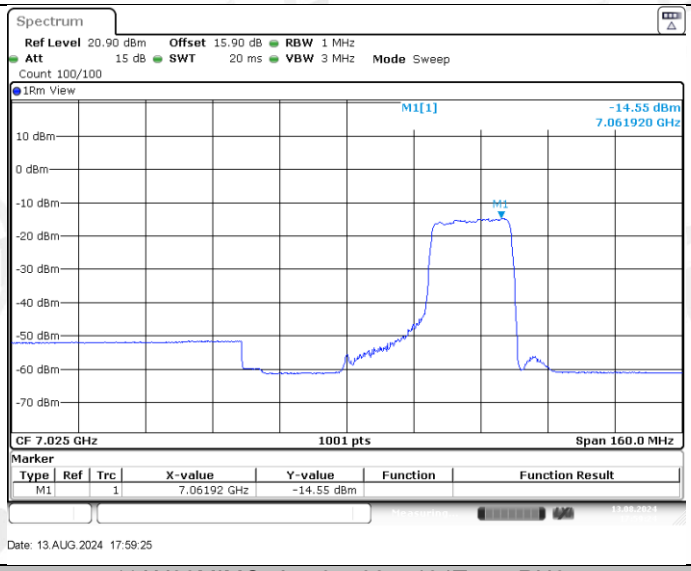

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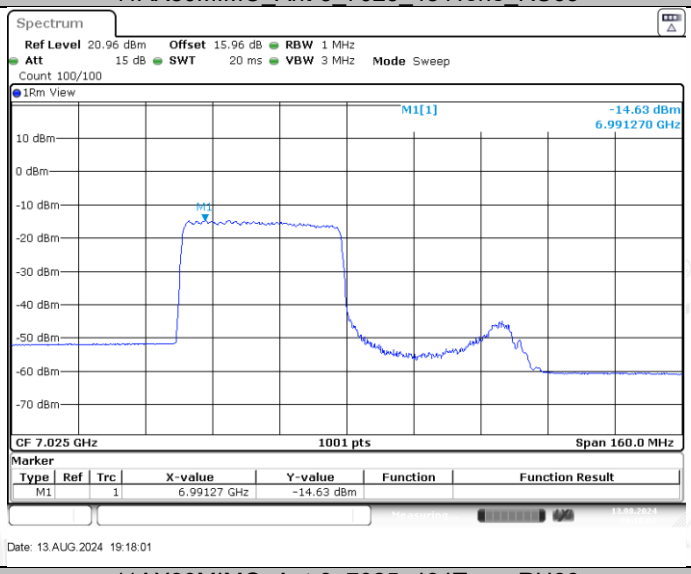

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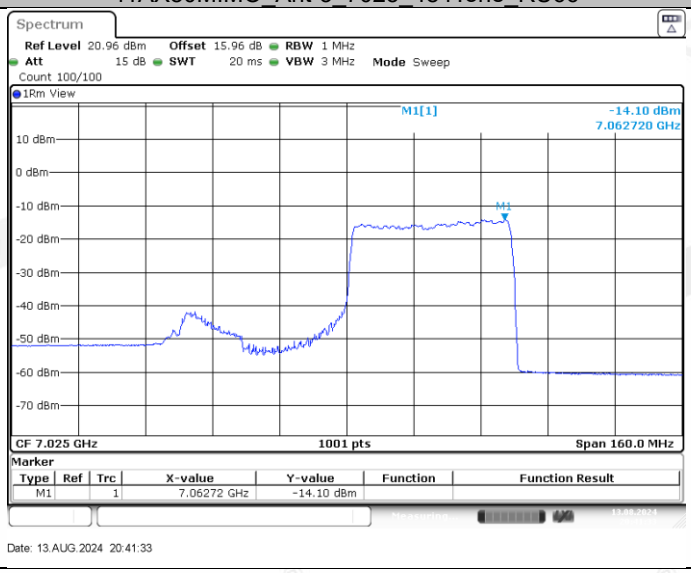
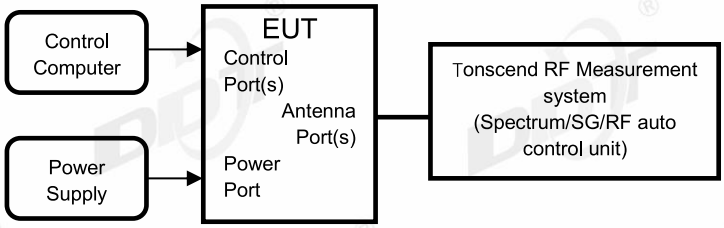


9. In-band Emission

9.1. Block diagram of test setup



9.2. Limits

For transmitters operating within the 5.925-7.125 GHz bands: Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

9.3. Test procedure

Connect EUT’s antenna output to spectrum analyzer by RF cable.

Center Frequency	The center frequency of the channel under test
Span	Encompass the entire 26 db EBW of the signal
RBW	Same RBW used for 26 db EBW measurement
VBW	⩾ 3 X RBW
Sweep time	Auto
Detector	RMS (i.e., power averaging)
Trace	Average at least 100 traces in power averaging (rms) mode.

Allow the trace to stabilize, use the peak search function on the instrument to find the peak of the spectrum.

9.4. Test Result

Test Mode	Antenna	Frequency[MHz]	Result	Limit	Verdict
11AX20MIMO	Ant-1	5955	See test graph	See test graph	PASS
	Ant-3	5955	See test graph	See test graph	PASS
	Ant-1	6175	See test graph	See test graph	PASS
	Ant-3	6175	See test graph	See test graph	PASS
	Ant-1	6415	See test graph	See test graph	PASS
	Ant-3	6415	See test graph	See test graph	PASS
	Ant-1	6435	See test graph	See test graph	PASS
	Ant-3	6435	See test graph	See test graph	PASS
	Ant-1	6475	See test graph	See test graph	PASS
	Ant-3	6475	See test graph	See test graph	PASS
	Ant-1	6515	See test graph	See test graph	PASS
	Ant-3	6515	See test graph	See test graph	PASS
	Ant-1	6535	See test graph	See test graph	PASS
	Ant-3	6535	See test graph	See test graph	PASS
	Ant-1	6695	See test graph	See test graph	PASS
	Ant-3	6695	See test graph	See test graph	PASS
	Ant-1	6855	See test graph	See test graph	PASS
	Ant-3	6855	See test graph	See test graph	PASS
	Ant-1	6875	See test graph	See test graph	PASS
	Ant-3	6875	See test graph	See test graph	PASS
	Ant-1	6895	See test graph	See test graph	PASS
	Ant-3	6895	See test graph	See test graph	PASS
	Ant-1	6995	See test graph	See test graph	PASS
	Ant-3	6995	See test graph	See test graph	PASS
	Ant-1	7095	See test graph	See test graph	PASS
	Ant-3	7095	See test graph	See test graph	PASS
	Ant-1	7115	See test graph	See test graph	PASS
	Ant-3	7115	See test graph	See test graph	PASS
11AX40MIMO	Ant-1	5965	See test graph	See test graph	PASS
	Ant-3	5965	See test graph	See test graph	PASS
	Ant-1	6165	See test graph	See test graph	PASS
	Ant-3	6165	See test graph	See test graph	PASS
	Ant-1	6405	See test graph	See test graph	PASS
	Ant-3	6405	See test graph	See test graph	PASS
	Ant-1	6445	See test graph	See test graph	PASS
	Ant-3	6445	See test graph	See test graph	PASS
	Ant-1	6485	See test graph	See test graph	PASS
	Ant-3	6485	See test graph	See test graph	PASS
	Ant-1	6525	See test graph	See test graph	PASS
	Ant-3	6525	See test graph	See test graph	PASS
	Ant-1	6565	See test graph	See test graph	PASS
	Ant-3	6565	See test graph	See test graph	PASS
	Ant-1	6685	See test graph	See test graph	PASS
	Ant-3	6685	See test graph	See test graph	PASS
	Ant-1	6845	See test graph	See test graph	PASS
	Ant-3	6845	See test graph	See test graph	PASS
	Ant-1	6885	See test graph	See test graph	PASS
	Ant-3	6885	See test graph	See test graph	PASS
	Ant-1	6925	See test graph	See test graph	PASS
	Ant-3	6925	See test graph	See test graph	PASS
	Ant-1	6965	See test graph	See test graph	PASS
	Ant-3	6965	See test graph	See test graph	PASS
	Ant-1	7085	See test graph	See test graph	PASS
	Ant-3	7085	See test graph	See test graph	PASS
11AX80MIMO	Ant-1	5985	See test graph	See test graph	PASS
	Ant-3	5985	See test graph	See test graph	PASS
	Ant-1	6145	See test graph	See test graph	PASS
	Ant-3	6145	See test graph	See test graph	PASS
	Ant-1	6385	See test graph	See test graph	PASS
	Ant-3	6385	See test graph	See test graph	PASS

	Ant-1	6465	See test graph	See test graph	PASS
	Ant-3	6465	See test graph	See test graph	PASS
	Ant-1	6545	See test graph	See test graph	PASS
	Ant-3	6545	See test graph	See test graph	PASS
	Ant-1	6625	See test graph	See test graph	PASS
	Ant-3	6625	See test graph	See test graph	PASS
	Ant-1	6705	See test graph	See test graph	PASS
	Ant-3	6705	See test graph	See test graph	PASS
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	Ant-3	6785	See test graph	See test graph	PASS
	Ant-1	6865	See test graph	See test graph	PASS
	Ant-3	6865	See test graph	See test graph	PASS
	Ant-1	6945	See test graph	See test graph	PASS
	Ant-3	6945	See test graph	See test graph	PASS
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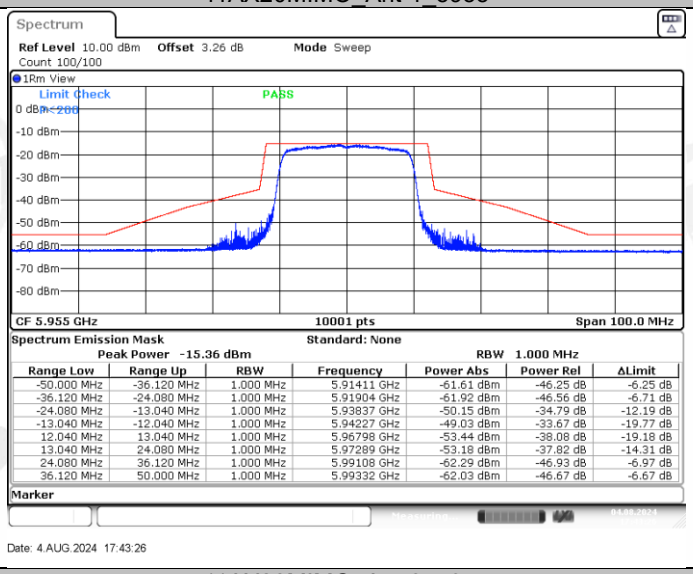
9.5. Test Graphs

11AX20MIMO_Ant-1_5955



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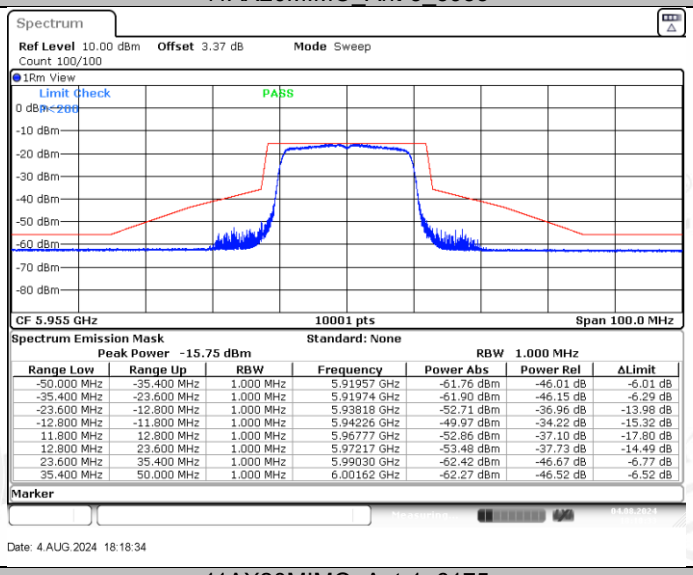

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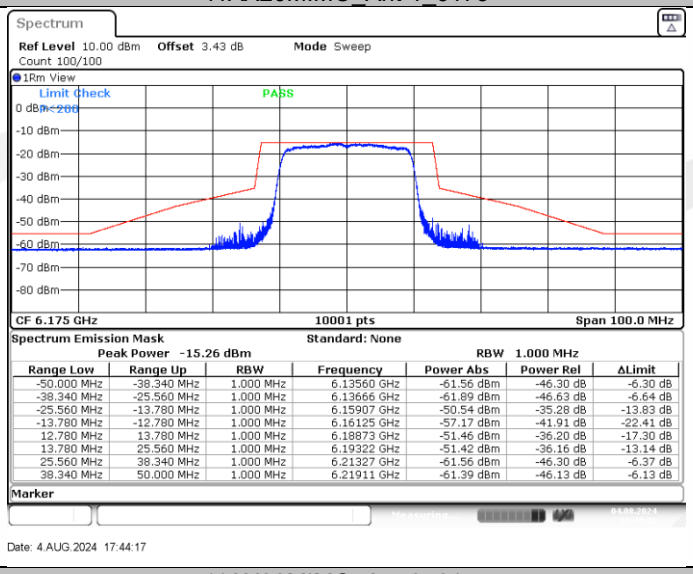

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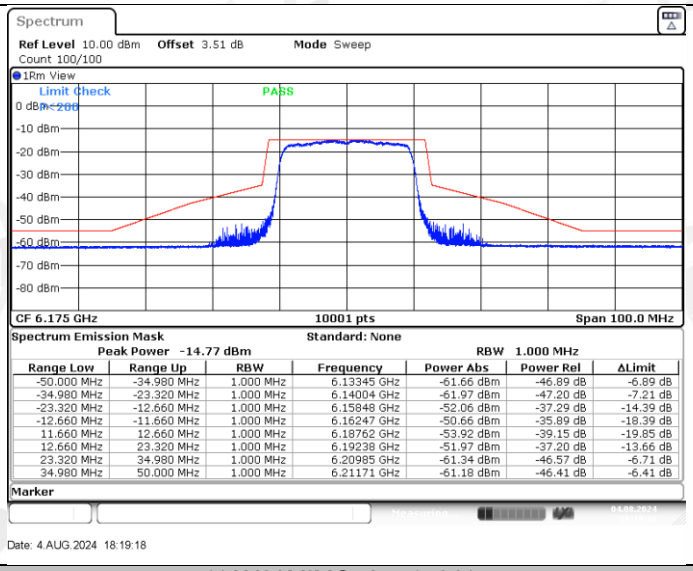

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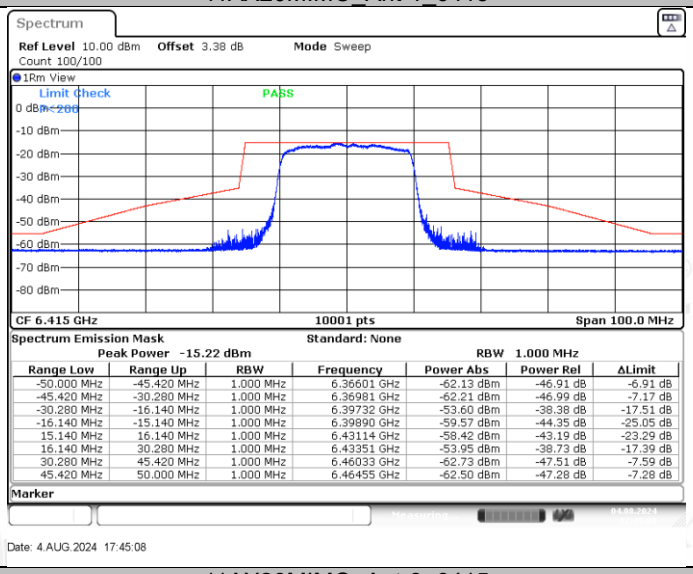

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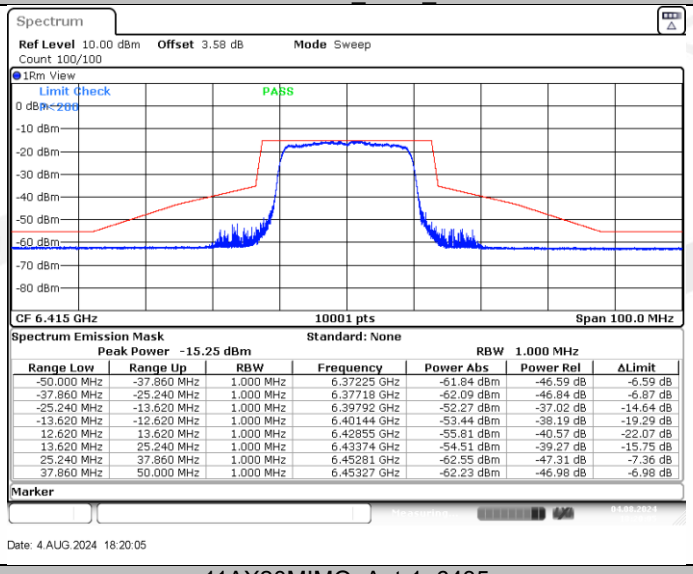

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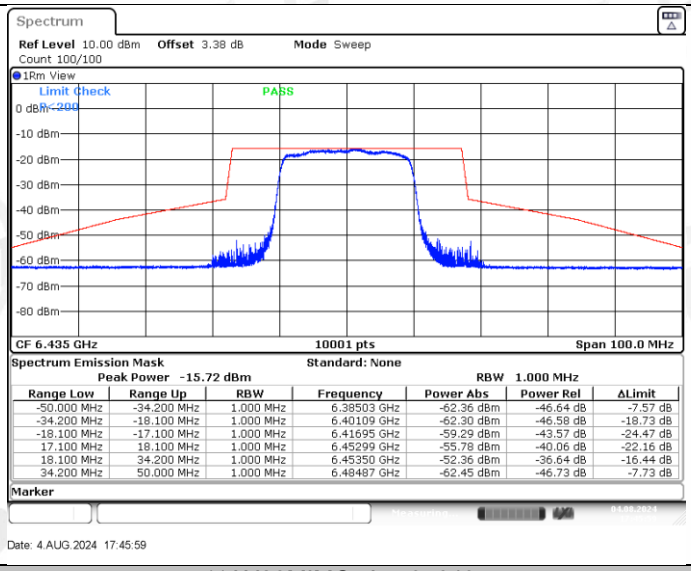

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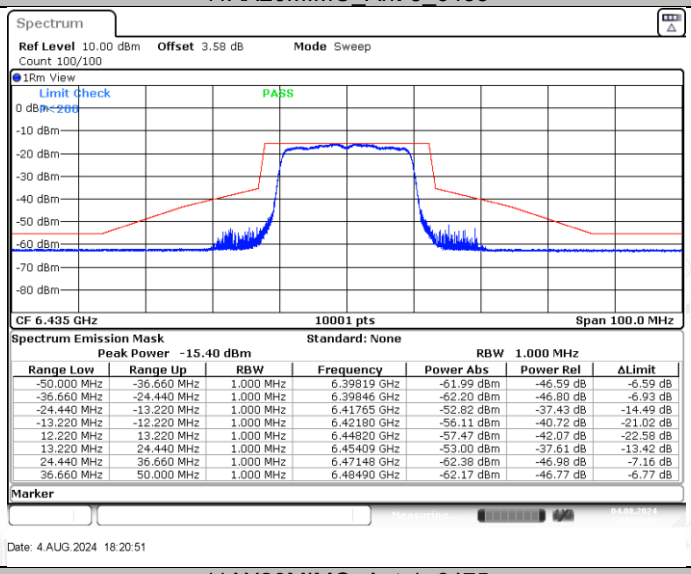

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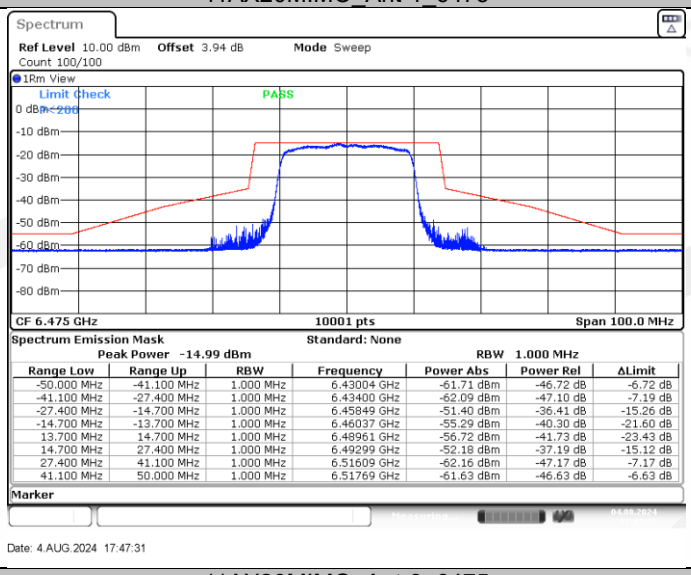

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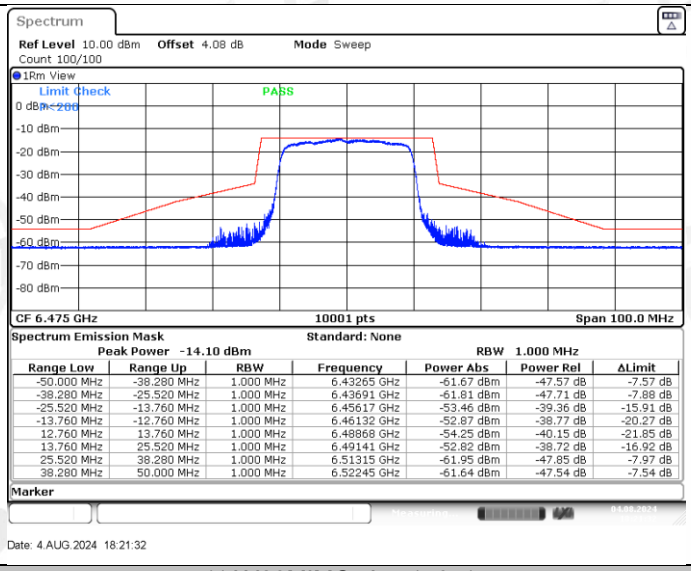

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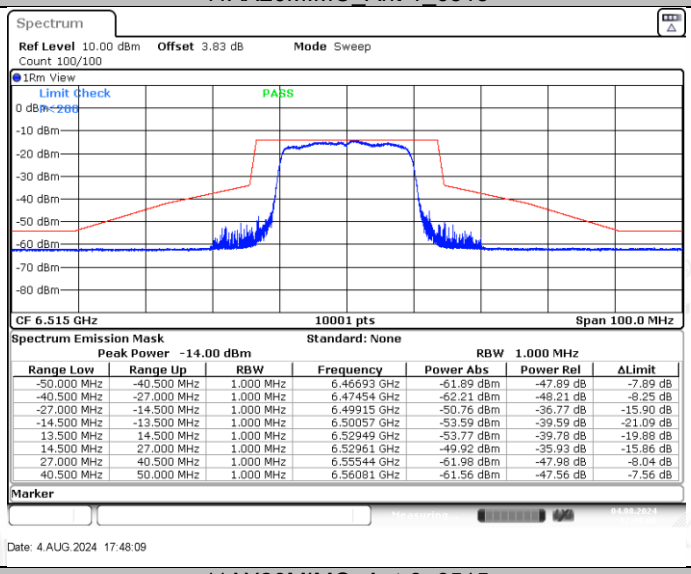

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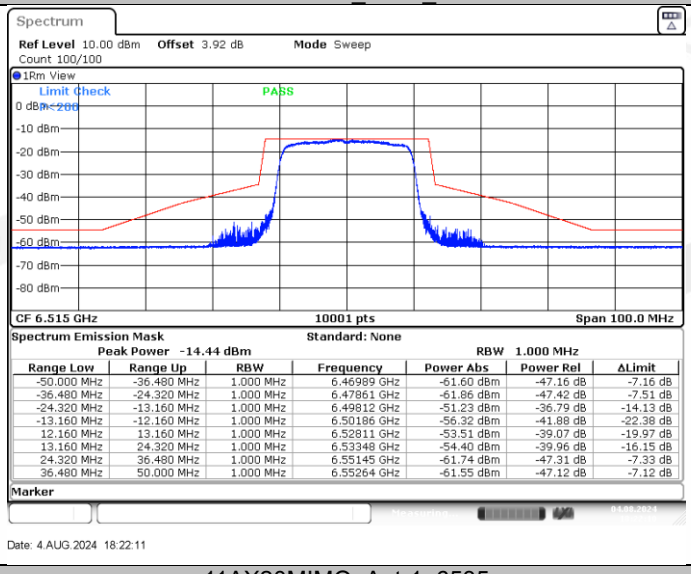

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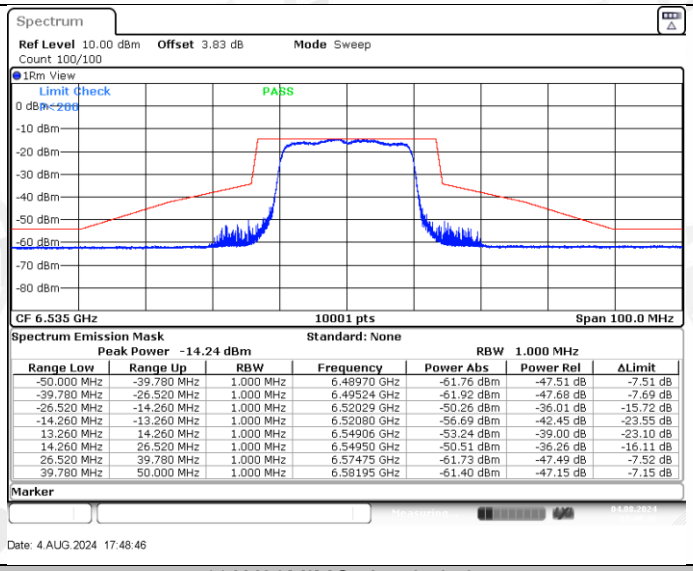

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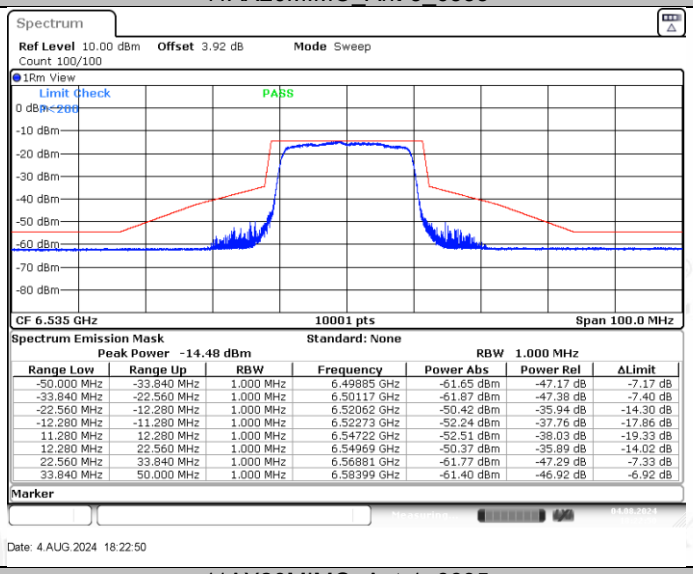

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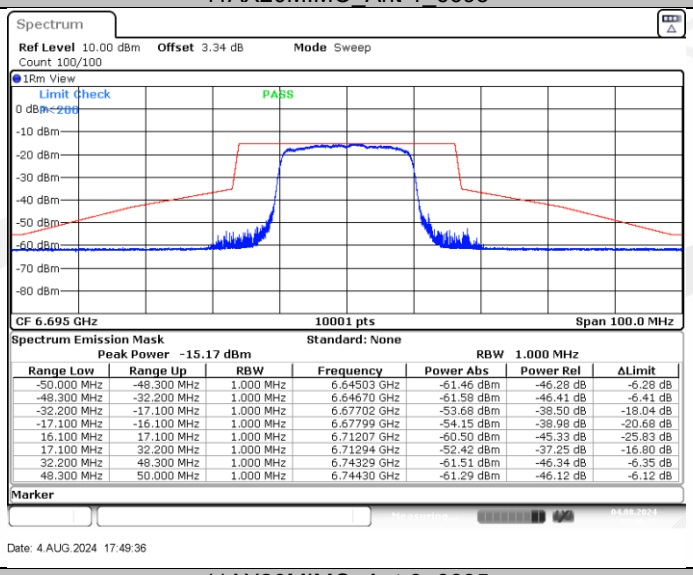

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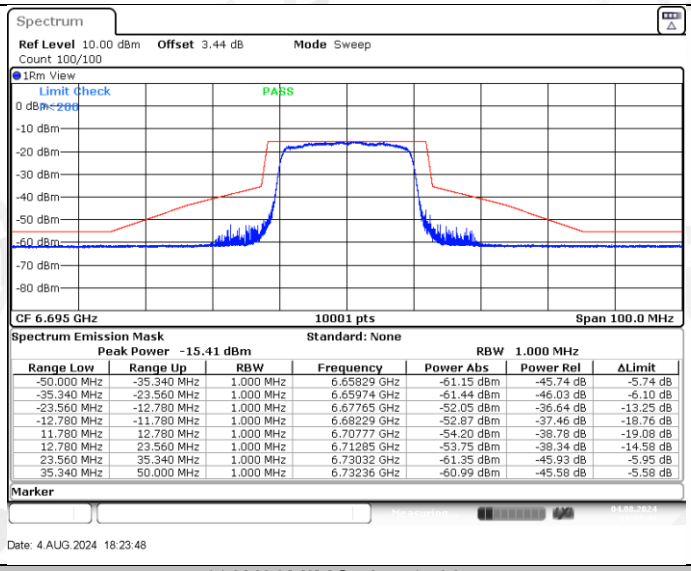

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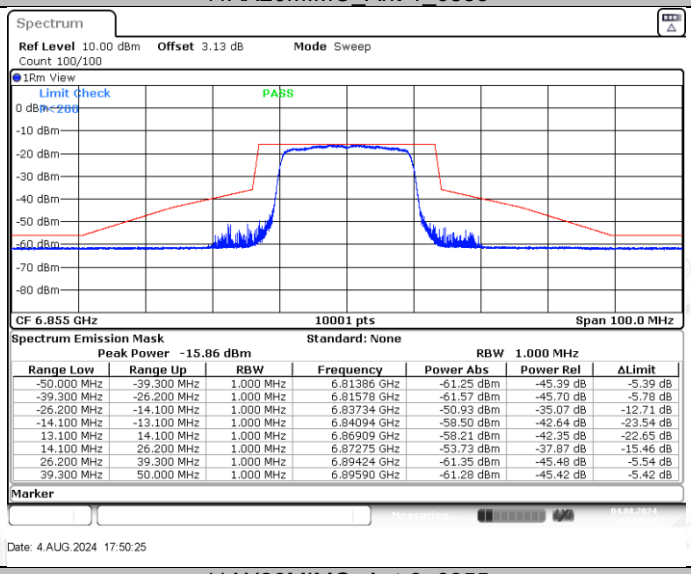

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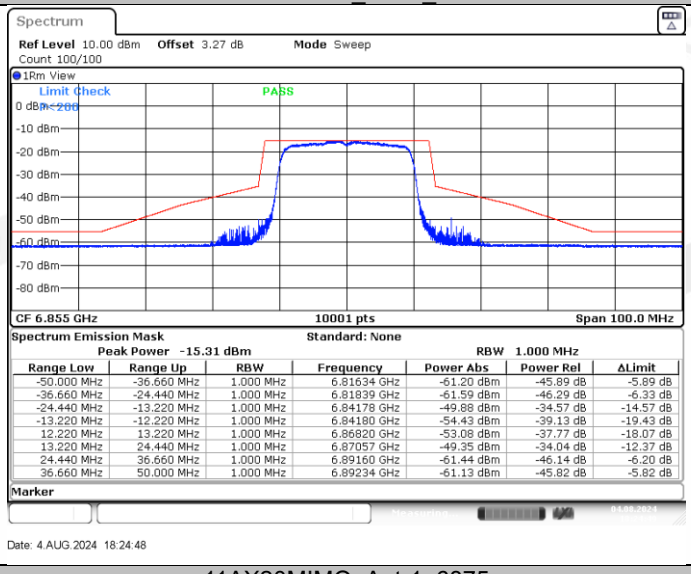

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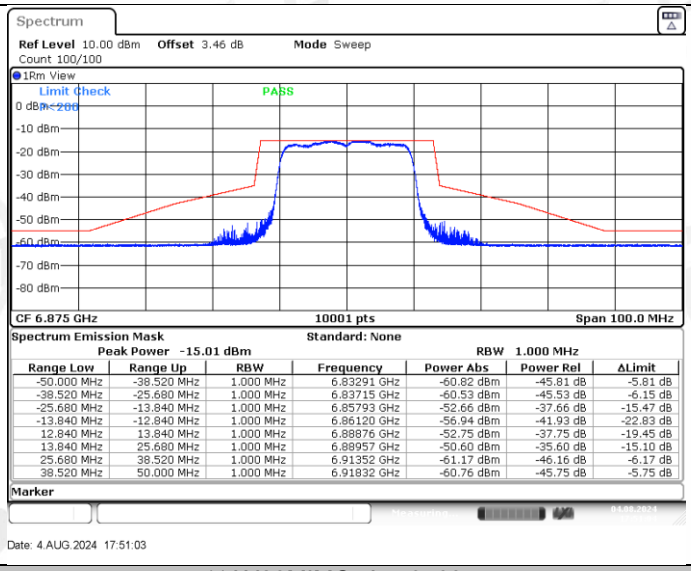

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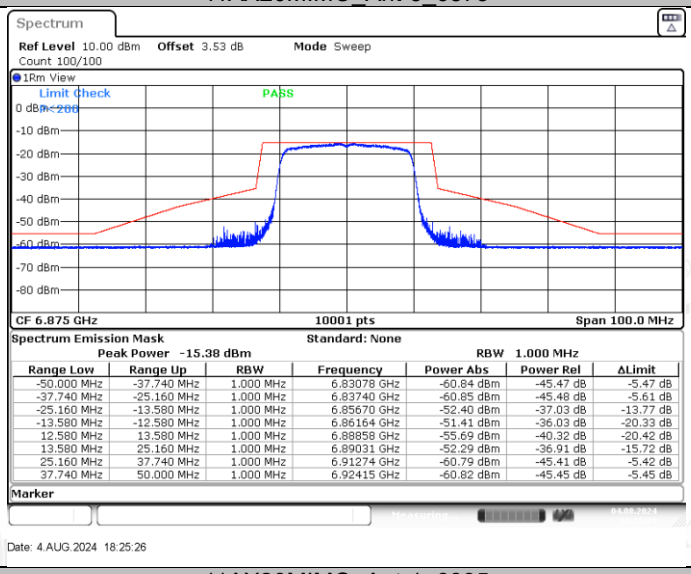

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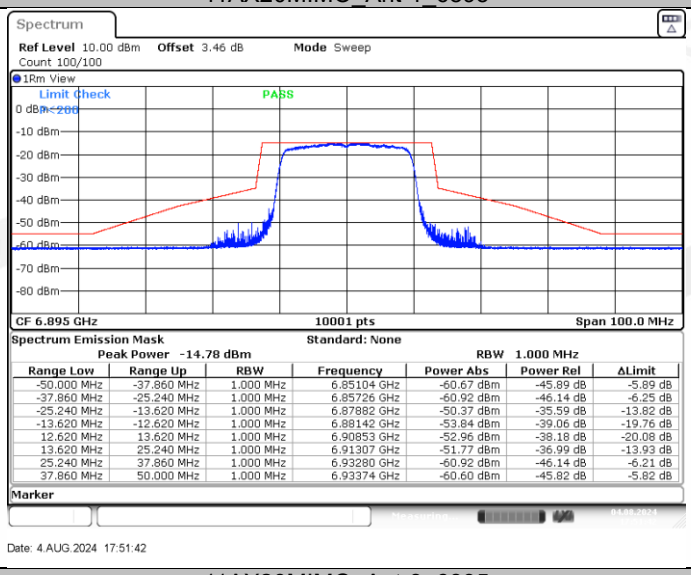

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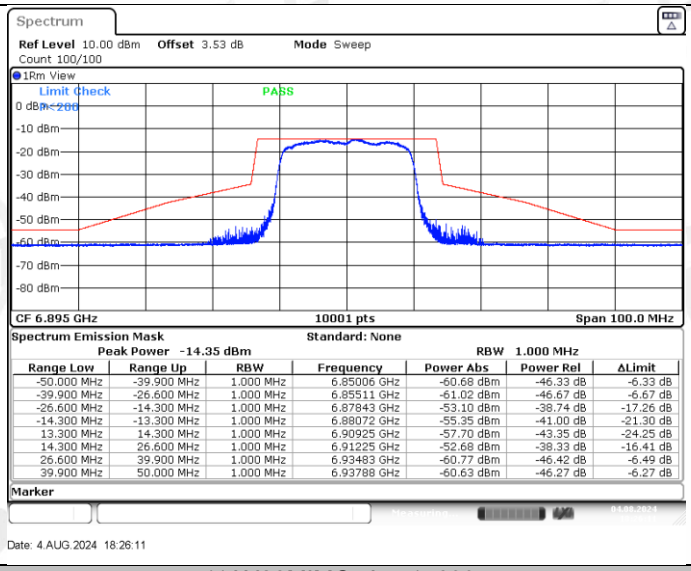

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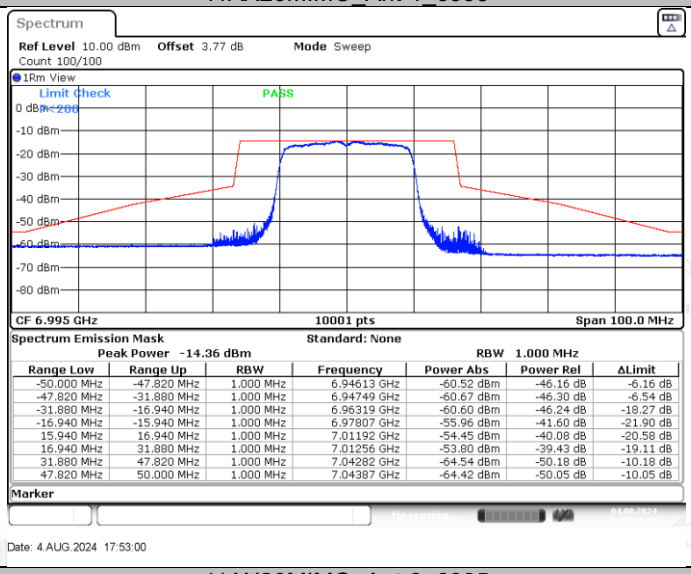

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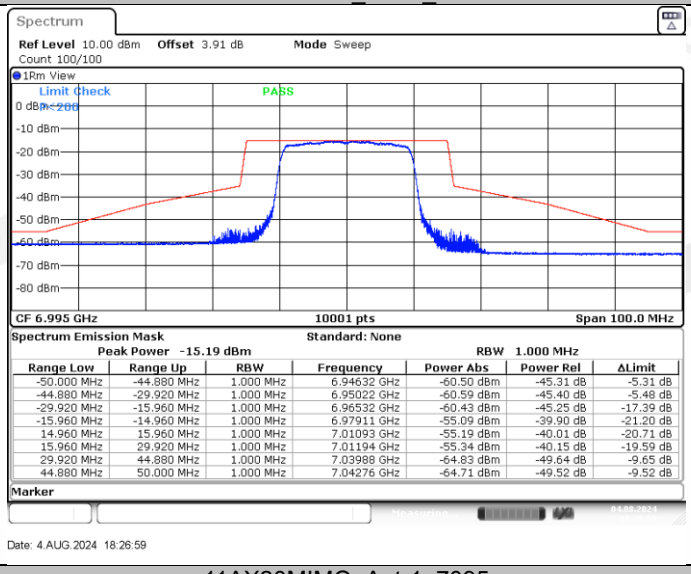

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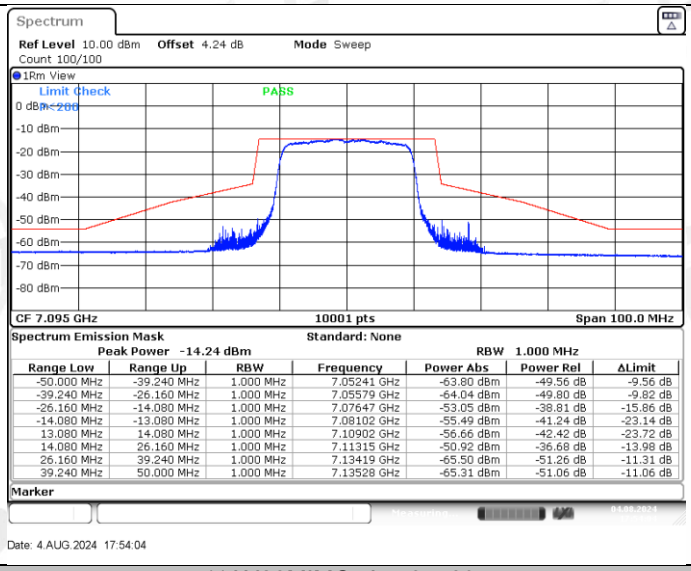

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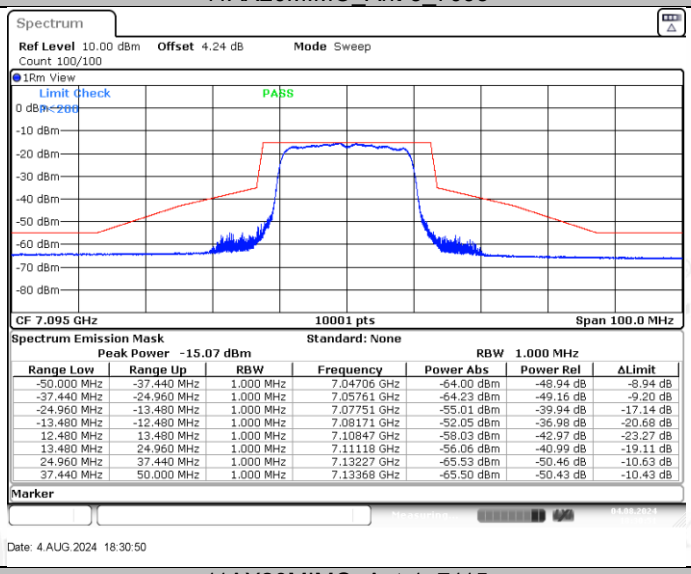
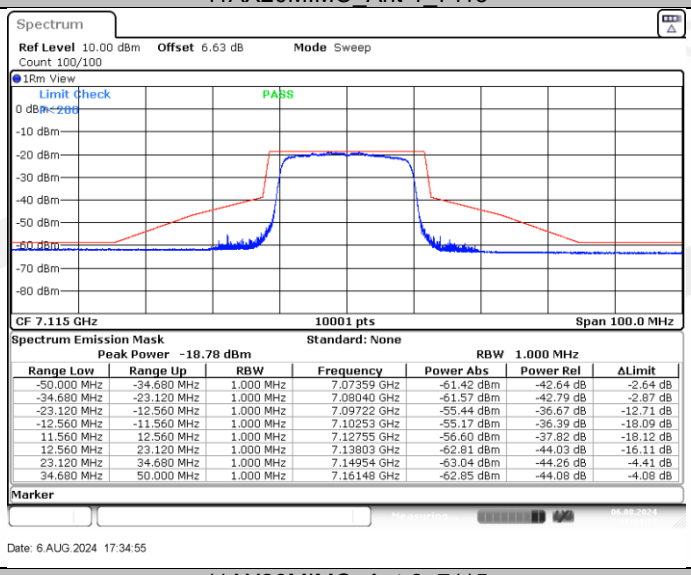


11AX20MIMO_Ant-1_7115



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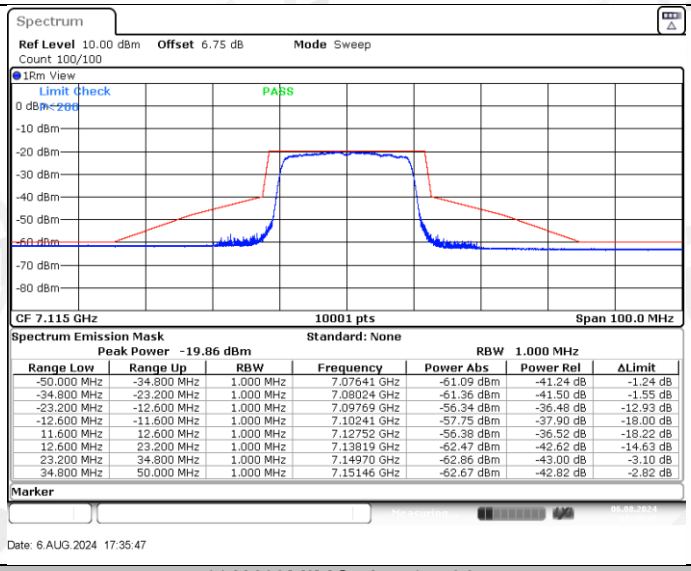

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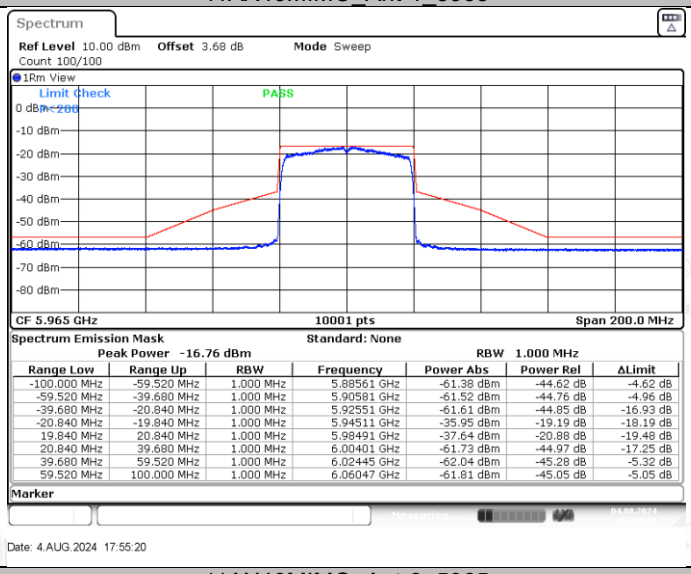

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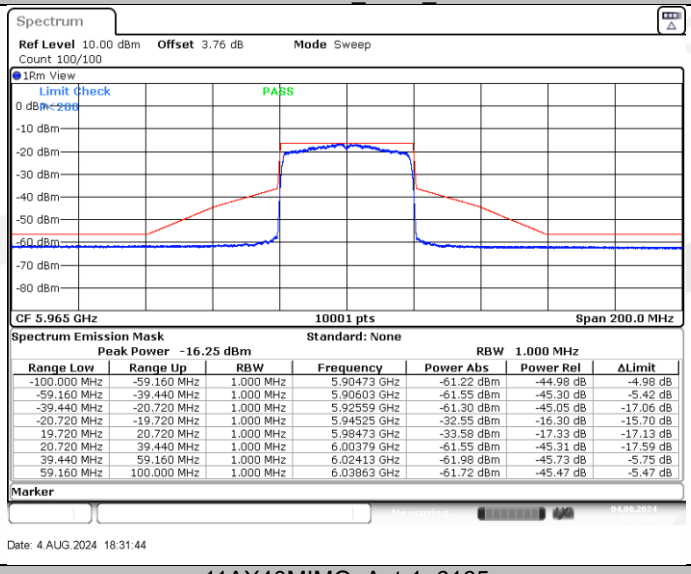

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