Appendix A1: Emission Bandwidth

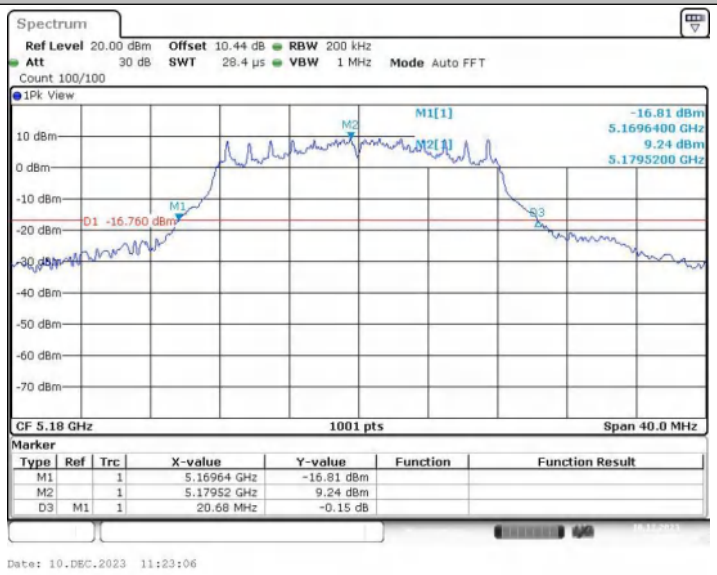
Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.68	5169.64	5190.32	---	---
	Ant2	5180	20.84	5169.48	5190.32	---	---
	Ant1	5220	20.76	5209.52	5230.28	---	---
	Ant2	5220	20.76	5209.52	5230.28	---	---
	Ant1	5240	20.80	5229.32	5250.12	---	---
	Ant2	5240	20.92	5229.44	5250.36	---	---
	Ant1	5745	20.92	5734.60	5755.52	---	---
	Ant2	5745	20.92	5734.52	5755.44	---	---
	Ant1	5785	20.84	5774.52	5795.36	---	---
	Ant2	5785	20.84	5774.56	5795.40	---	---
	Ant1	5825	21.24	5814.40	5835.64	---	---
	Ant2	5825	21.00	5814.56	5835.56	---	---
11N20MIMO	Ant1	5180	21.08	5169.44	5190.52	---	---
	Ant2	5180	20.96	5169.40	5190.36	---	---
	Ant1	5220	21.24	5209.32	5230.56	---	---
	Ant2	5220	20.92	5209.44	5230.36	---	---
	Ant1	5240	21.16	5229.32	5250.48	---	---
	Ant2	5240	20.96	5229.28	5250.24	---	---
	Ant1	5745	20.96	5734.44	5755.40	---	---
	Ant2	5745	20.72	5734.56	5755.28	---	---
	Ant1	5785	21.04	5774.44	5795.48	---	---
	Ant2	5785	21.24	5774.16	5795.40	---	---
	Ant1	5825	21.04	5814.40	5835.44	---	---
	Ant2	5825	20.80	5814.48	5835.28	---	---
11N40MIMO	Ant1	5190	40.64	5169.76	5210.40	---	---
	Ant2	5190	40.08	5169.92	5210.00	---	---
	Ant1	5230	40.40	5209.52	5249.92	---	---
	Ant2	5230	39.76	5210.08	5249.84	---	---
	Ant1	5755	40.80	5734.68	5775.48	---	---
	Ant2	5755	40.00	5734.84	5774.84	---	---
	Ant1	5795	40.16	5774.76	5814.92	---	---
	Ant2	5795	39.76	5775.08	5814.84	---	---
11AC80MIMO	Ant1	5210	83.04	5168.72	5251.76	---	---
	Ant2	5210	81.76	5169.20	5250.96	---	---

	Ant1	5775	82.08	5734.04	5816.12	---	---
	Ant2	5775	108.96	5714.68	5823.64	---	---
11AX20MIMO	Ant1	5180	20.36	5169.84	5190.20	---	---
	Ant2	5180	20.36	5169.88	5190.24	---	---
	Ant1	5220	20.28	5209.96	5230.24	---	---
	Ant2	5220	20.32	5209.92	5230.24	---	---
	Ant1	5240	20.28	5229.96	5250.24	---	---
	Ant2	5240	20.28	5229.96	5250.24	---	---
	Ant1	5745	20.32	5734.92	5755.24	---	---
	Ant2	5745	40.00	5725.00	5765.00	---	---
	Ant1	5785	20.32	5774.96	5795.28	---	---
	Ant2	5785	21.56	5774.96	5796.52	---	---
	Ant1	5825	20.24	5814.96	5835.20	---	---
	Ant2	5825	26.96	5814.96	5841.92	---	---
11AX40MIMO	Ant1	5190	40.16	5170.00	5210.16	---	---
	Ant2	5190	40.24	5169.92	5210.16	---	---
	Ant1	5230	40.08	5209.92	5250.00	---	---
	Ant2	5230	40.32	5209.84	5250.16	---	---
	Ant1	5755	40.16	5734.92	5775.08	---	---
	Ant2	5755	62.56	5726.60	5789.16	---	---
	Ant1	5795	39.04	5775.48	5814.52	---	---
	Ant2	5795	39.04	5775.48	5814.52	---	---
11AX80MIMO	Ant1	5210	81.92	5169.20	5251.12	---	---
	Ant2	5210	80.96	5169.20	5250.16	---	---
	Ant1	5775	80.96	5734.36	5815.32	---	---
	Ant2	5775	86.56	5729.40	5815.96	---	---

Test Graphs

11A_Ant1_5180



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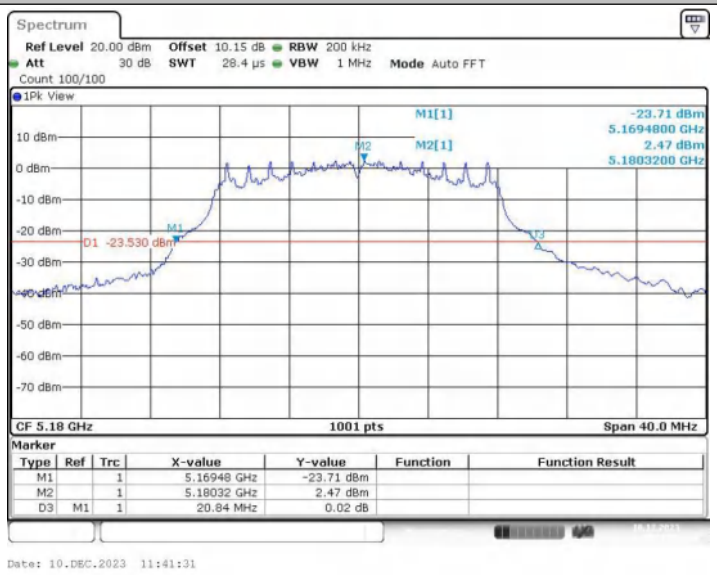

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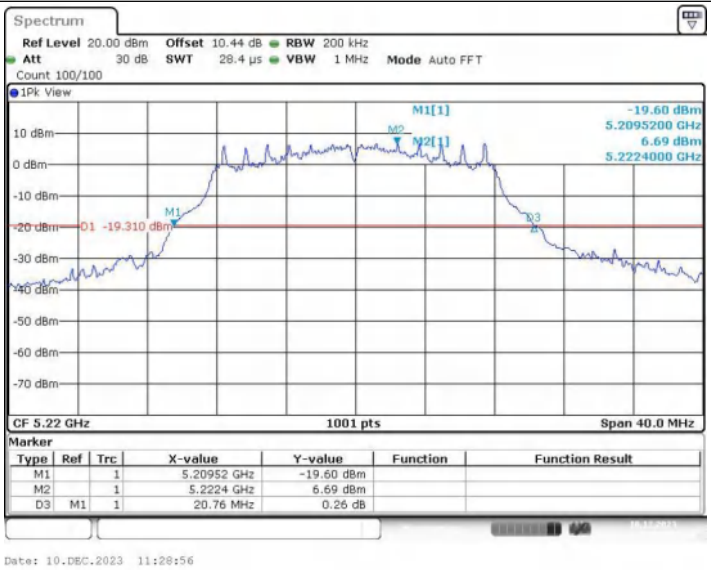

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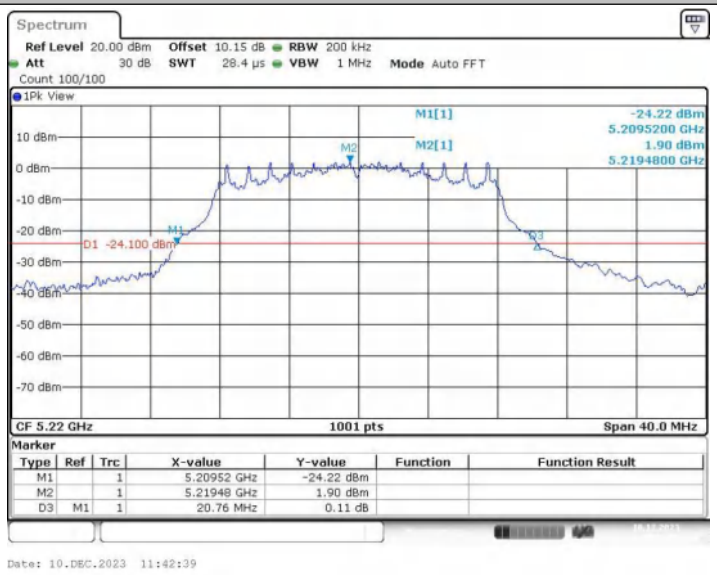

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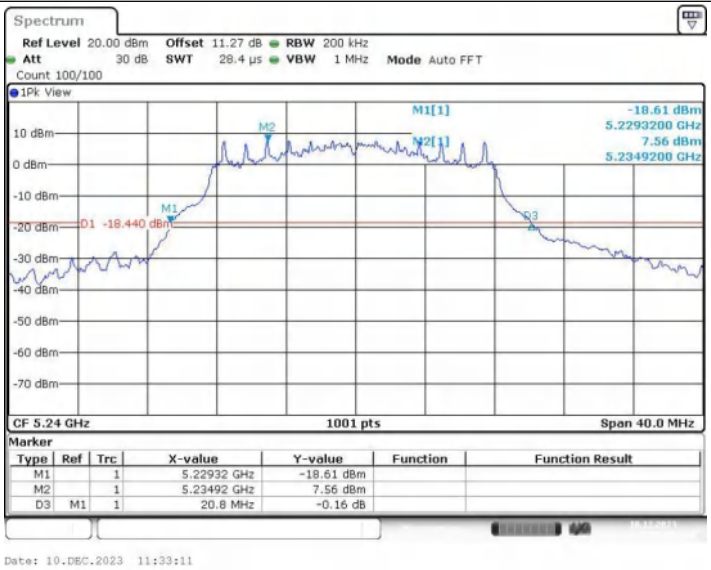

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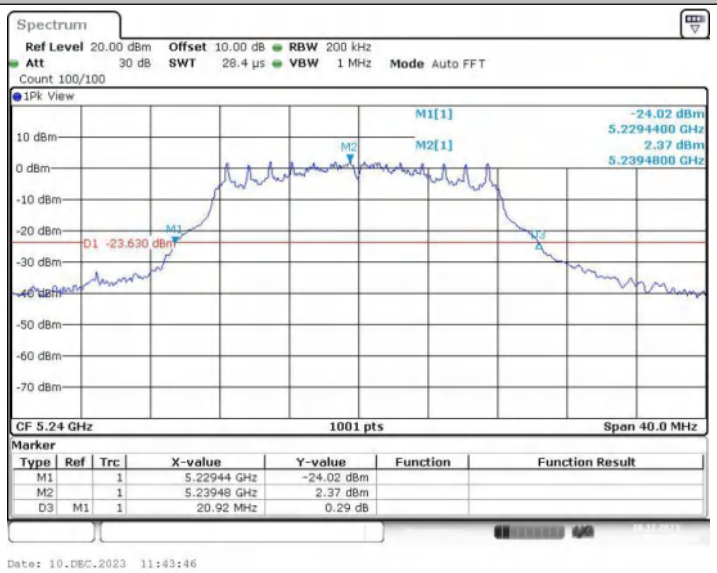

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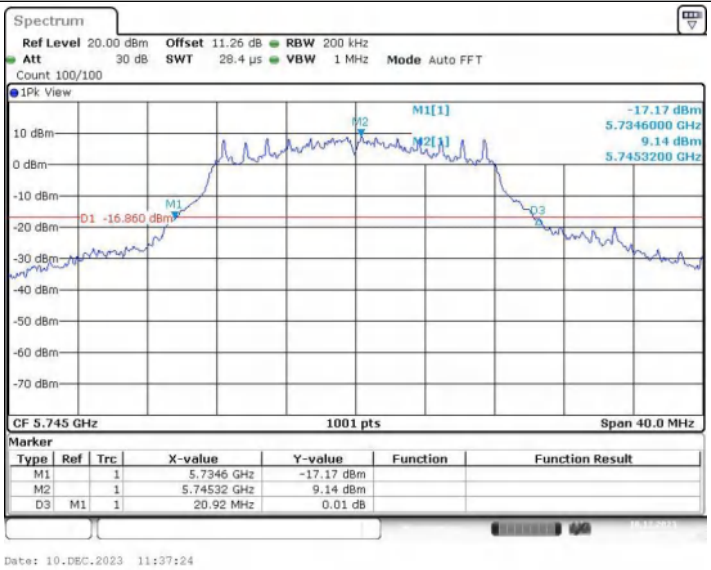

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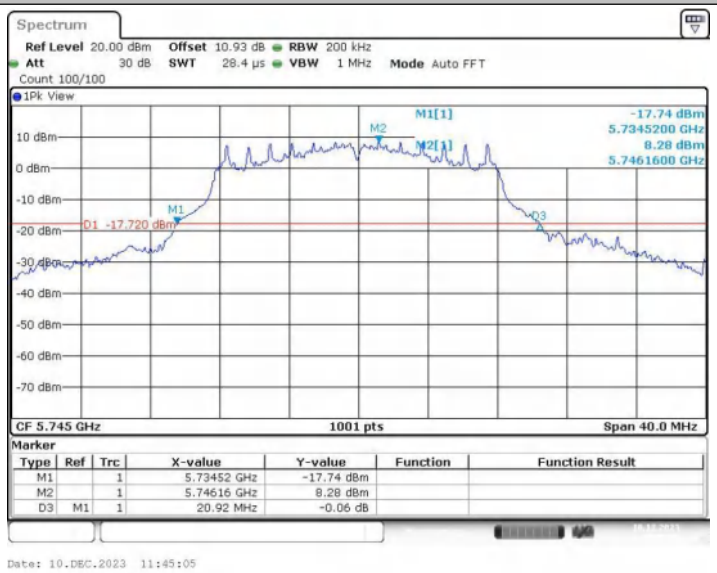

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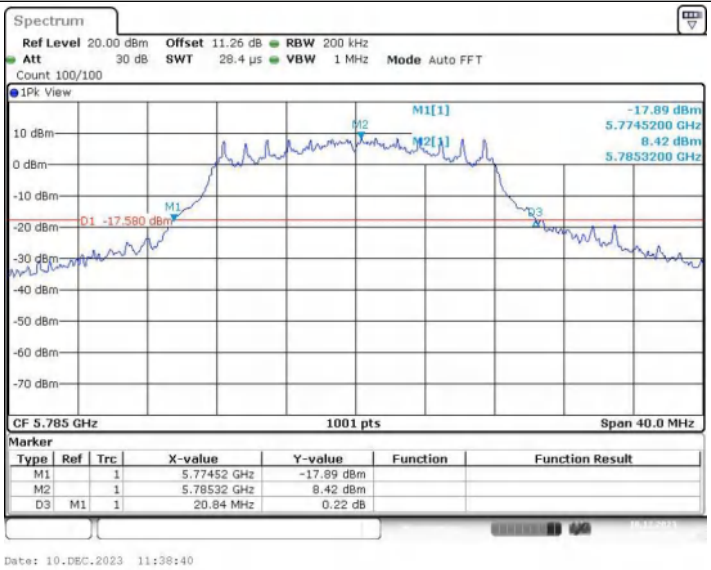

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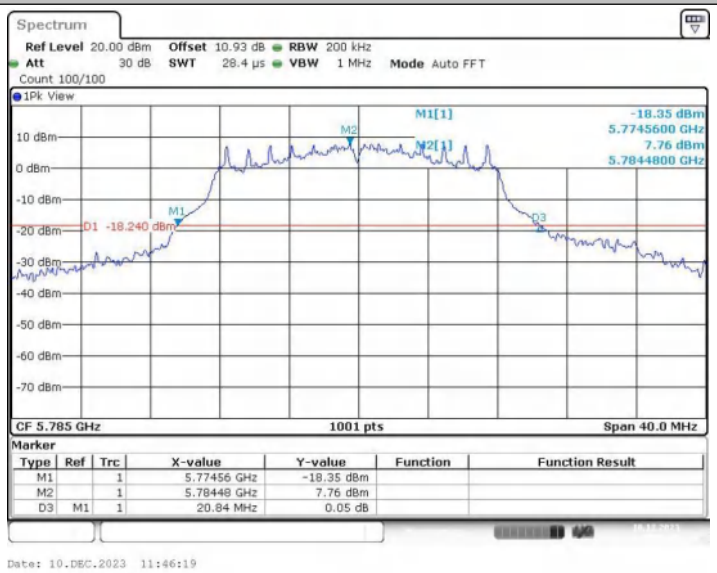

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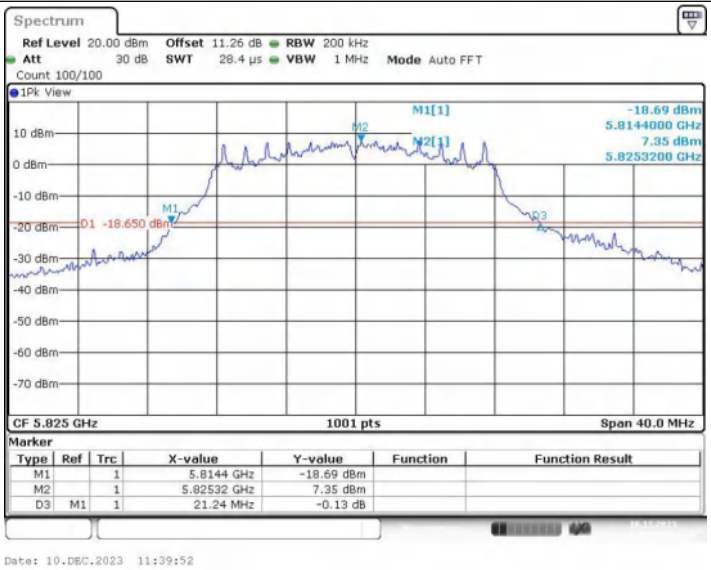

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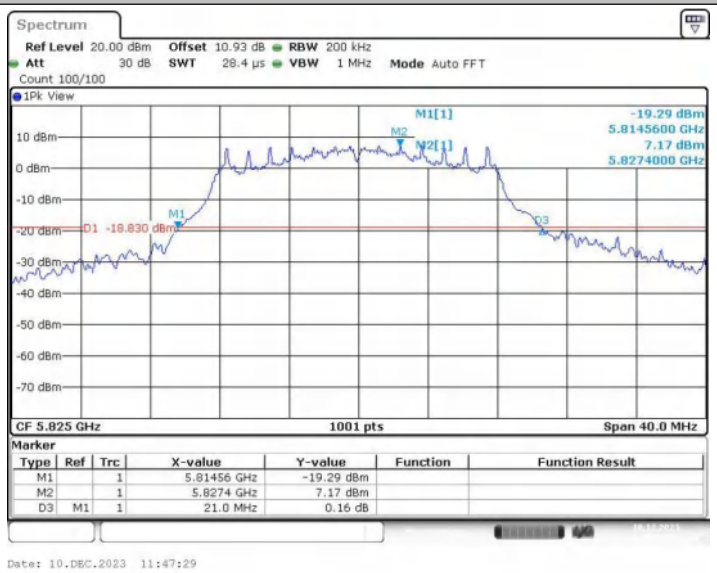

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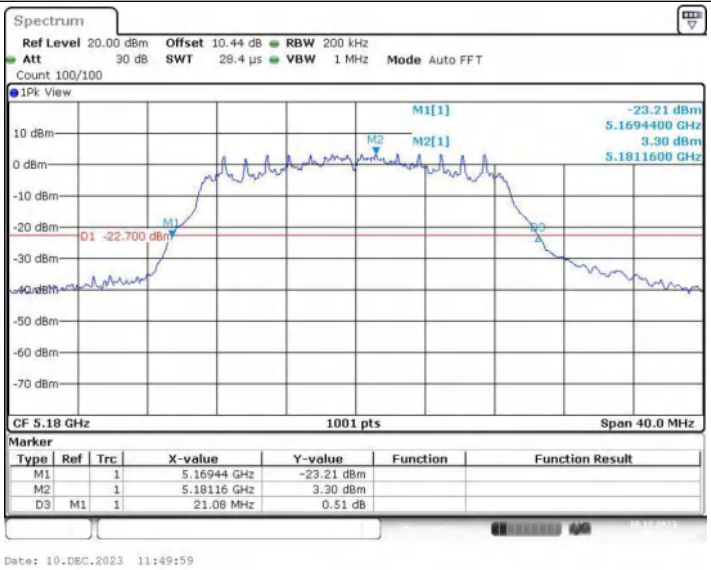

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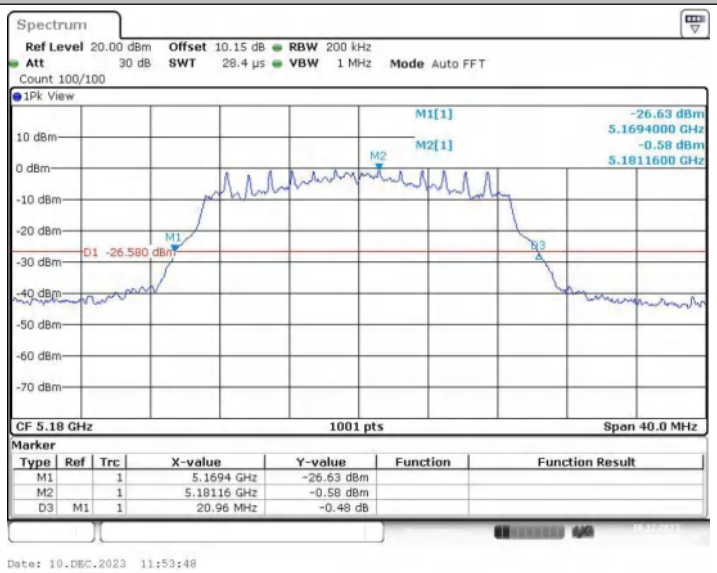

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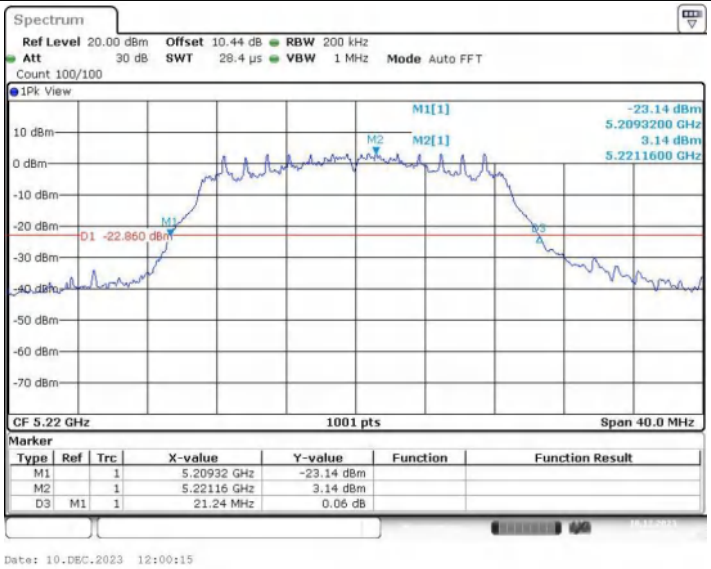

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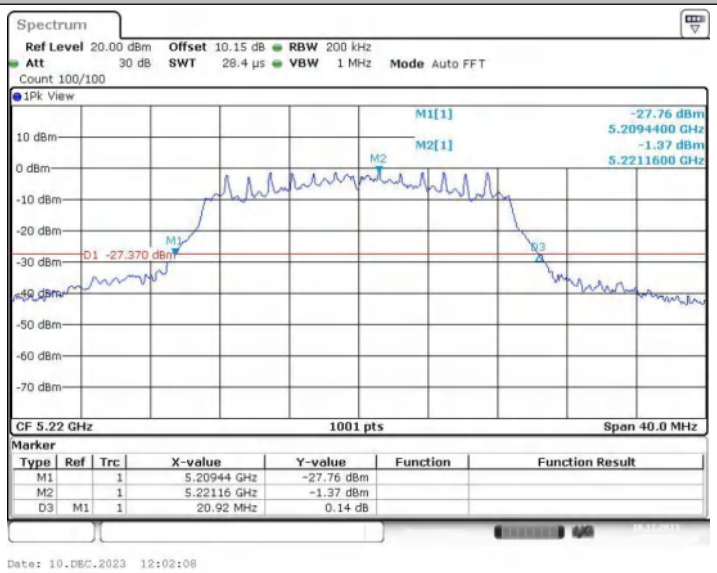

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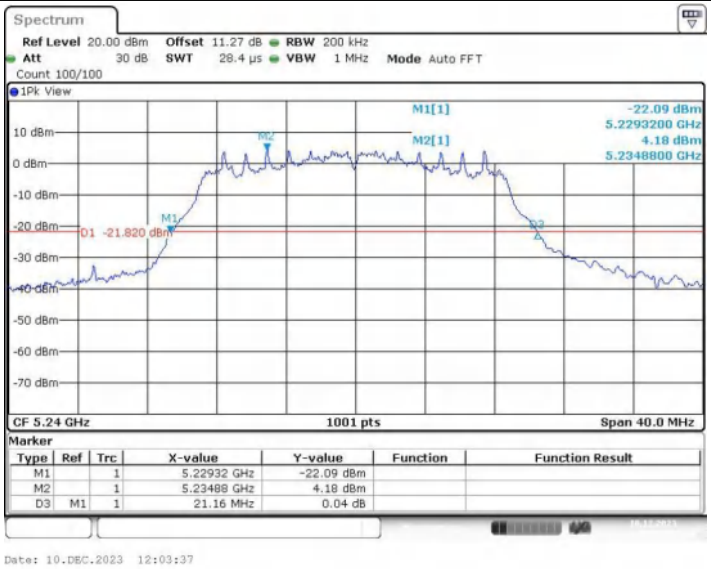

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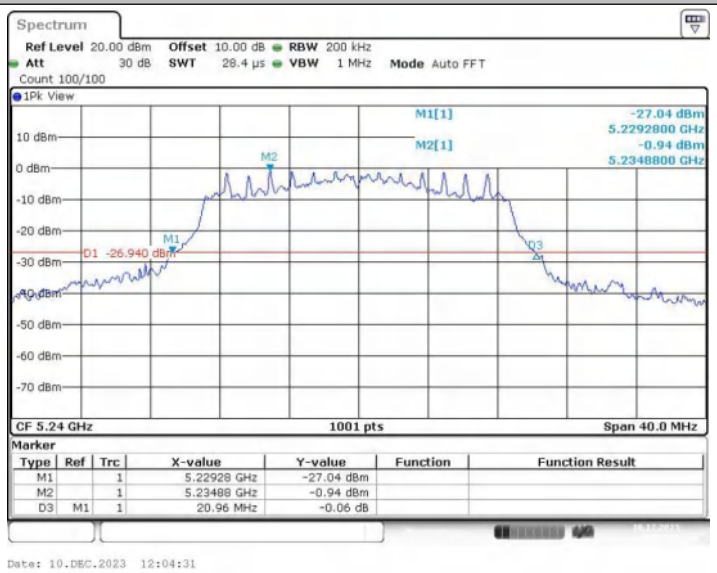

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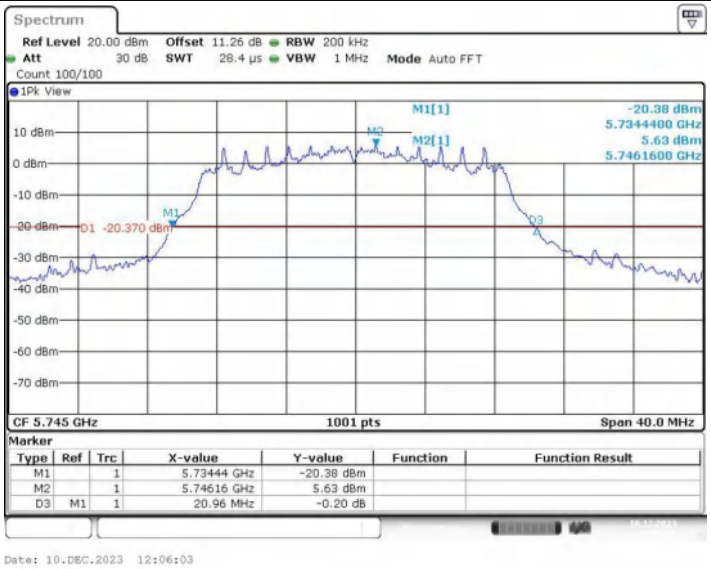

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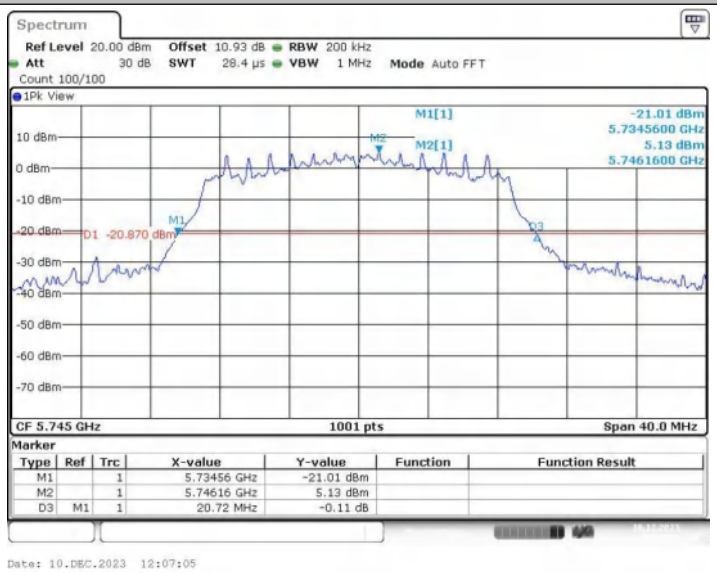

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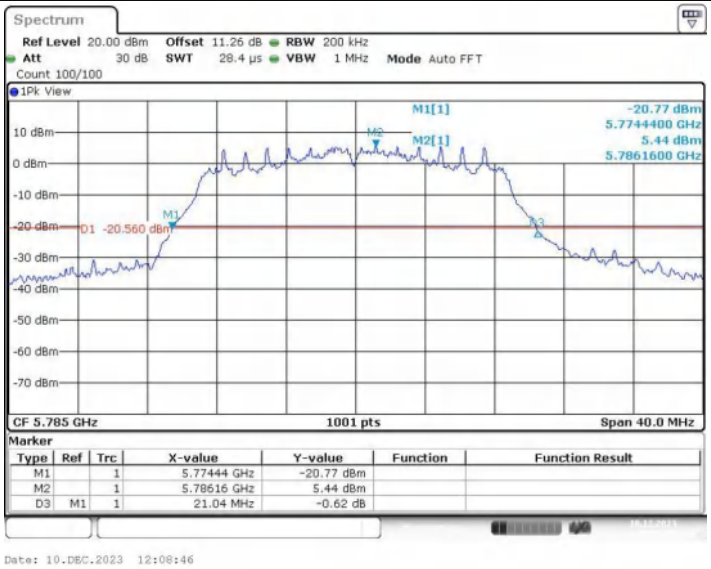

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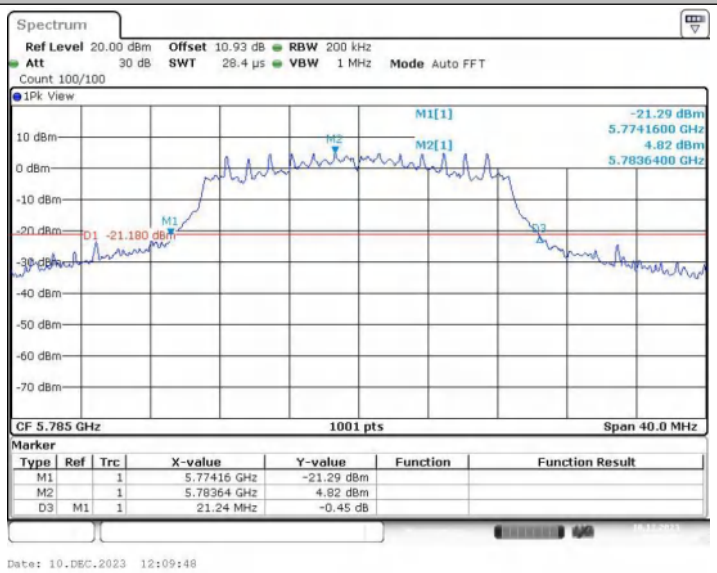

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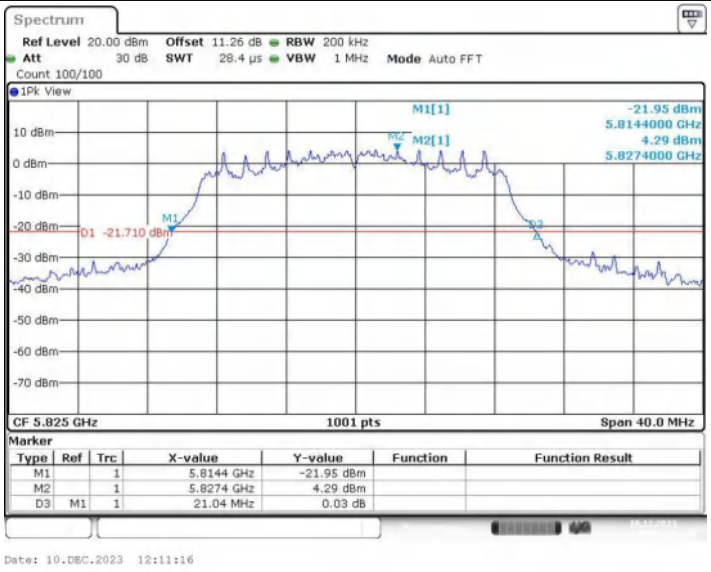

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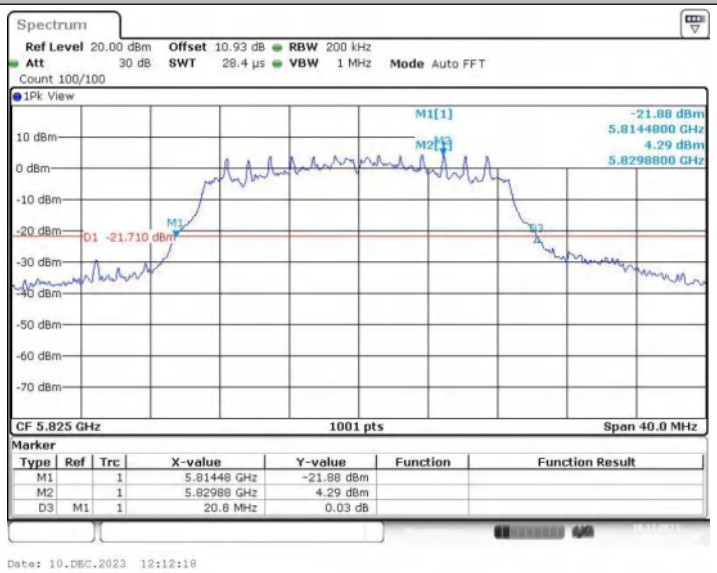

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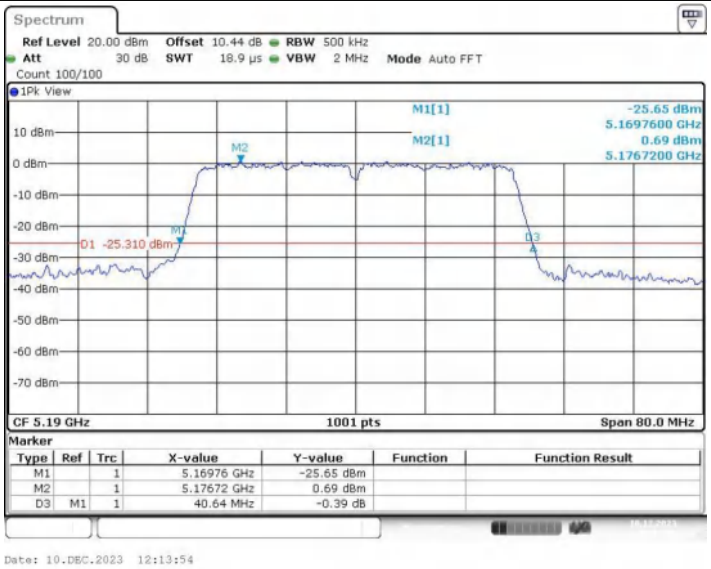

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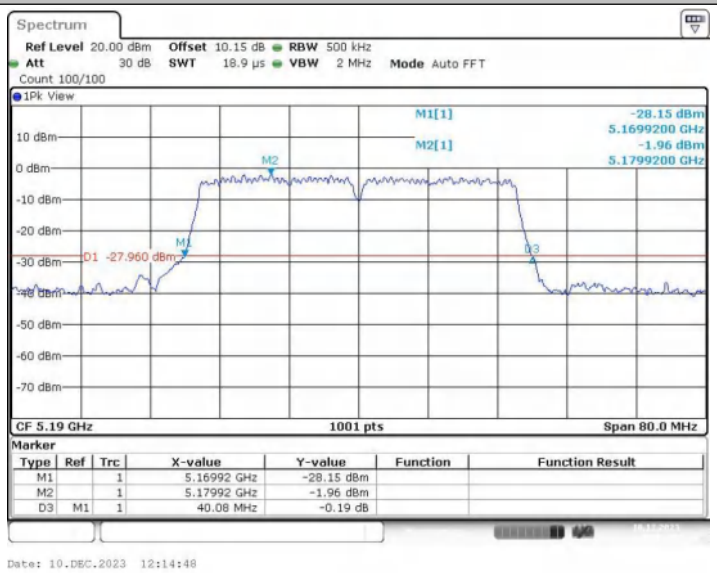

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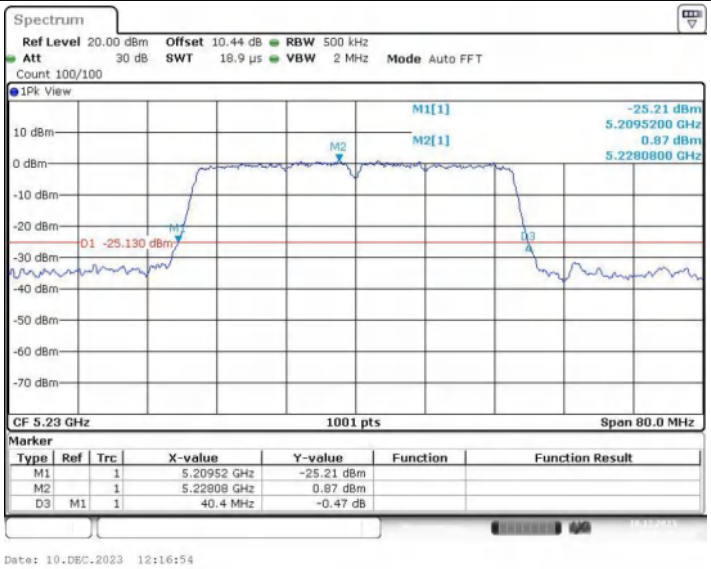

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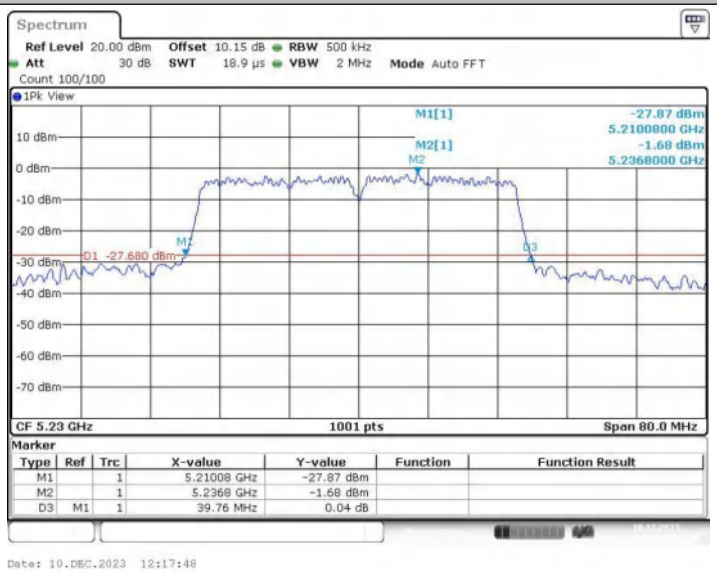

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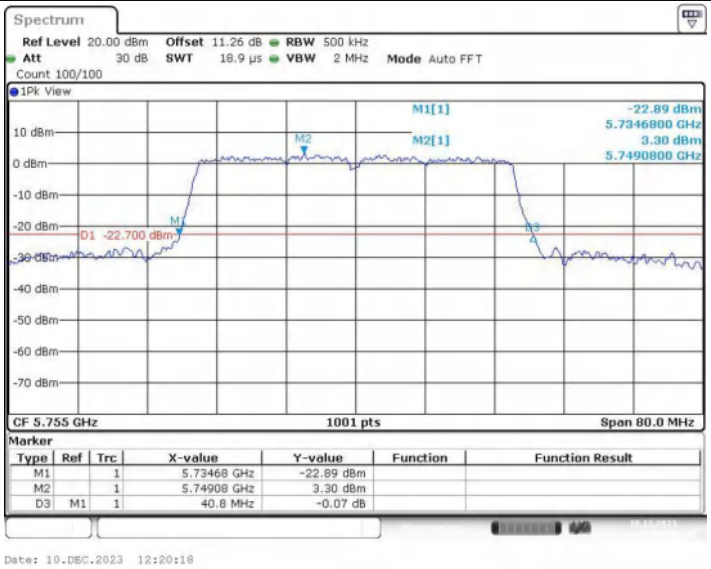

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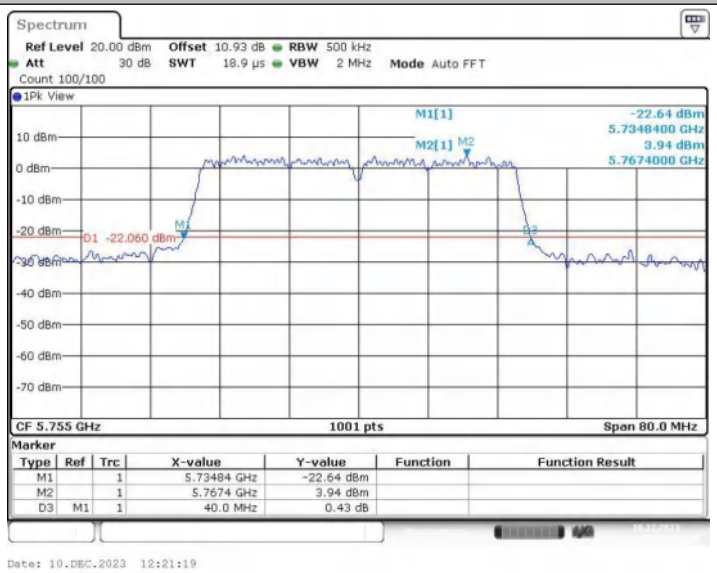

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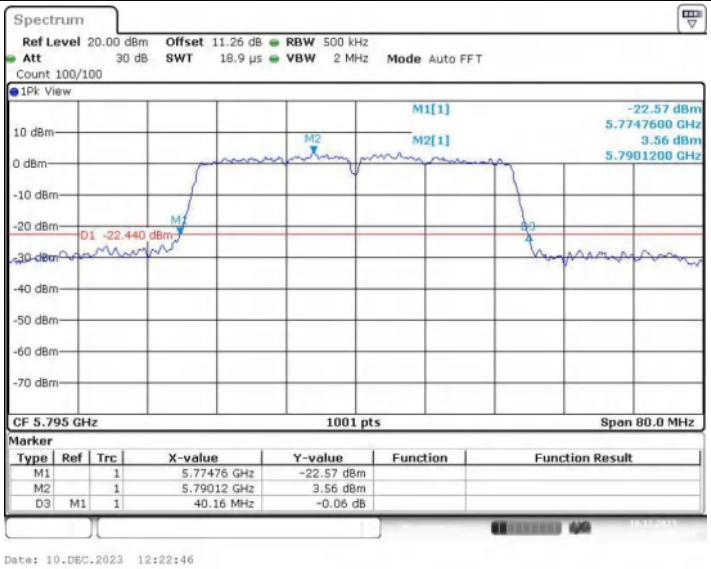

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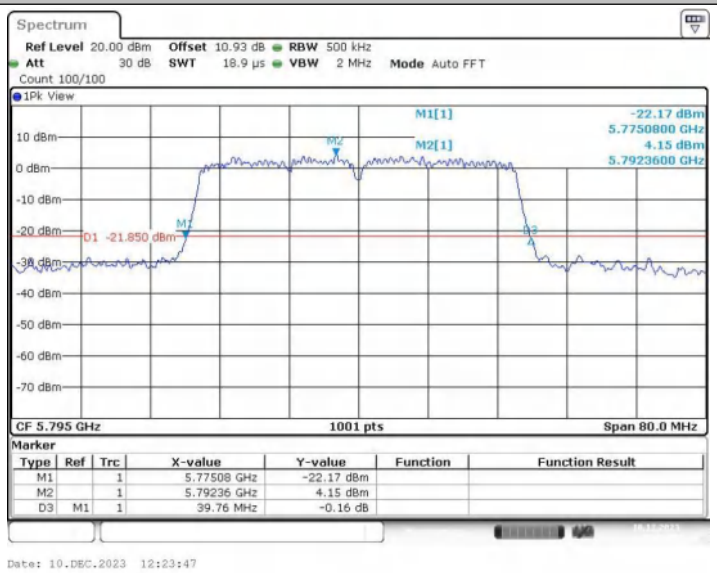

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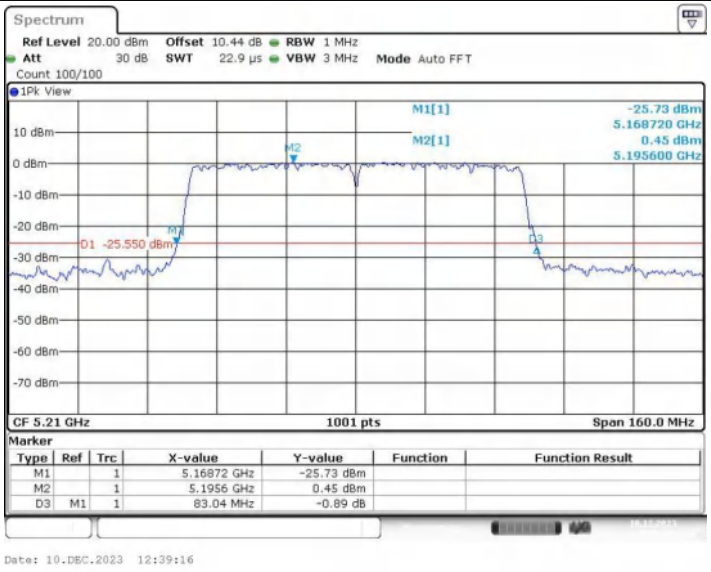

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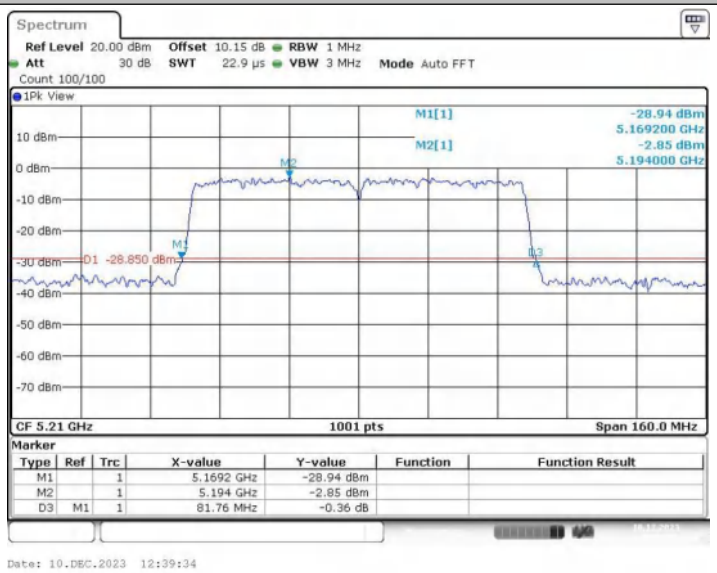

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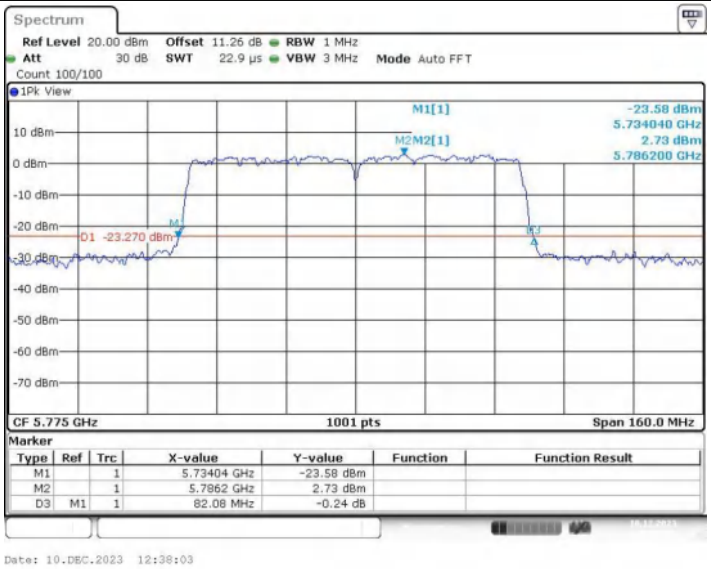

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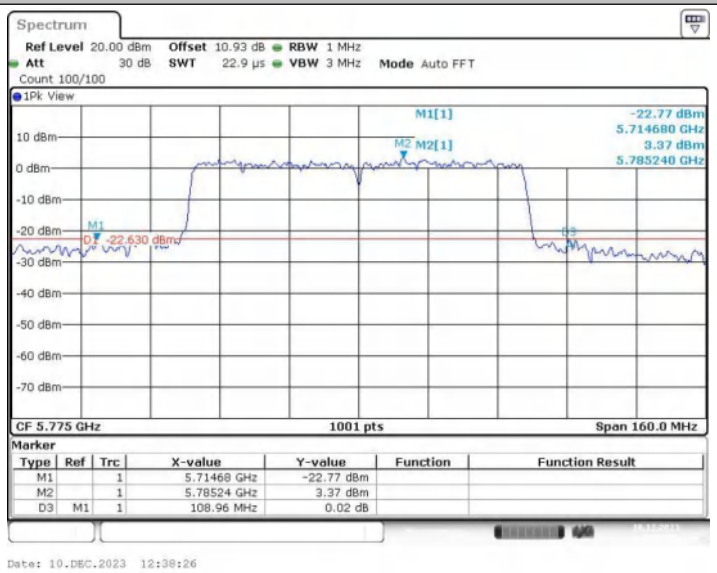

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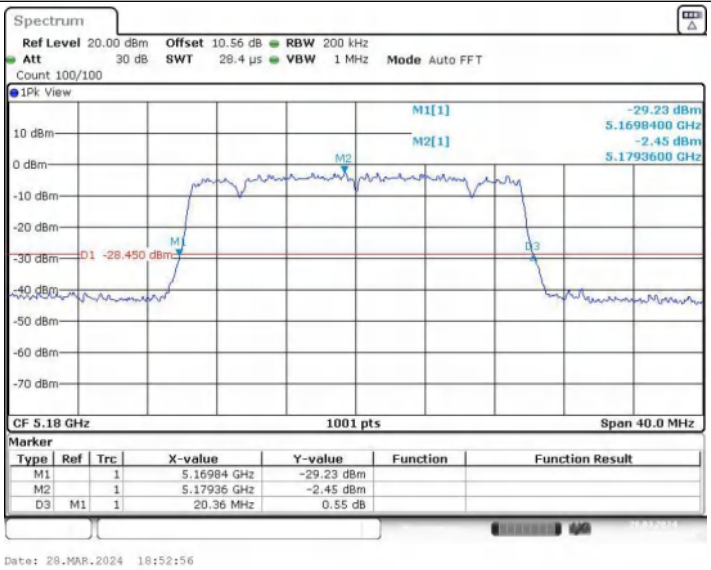

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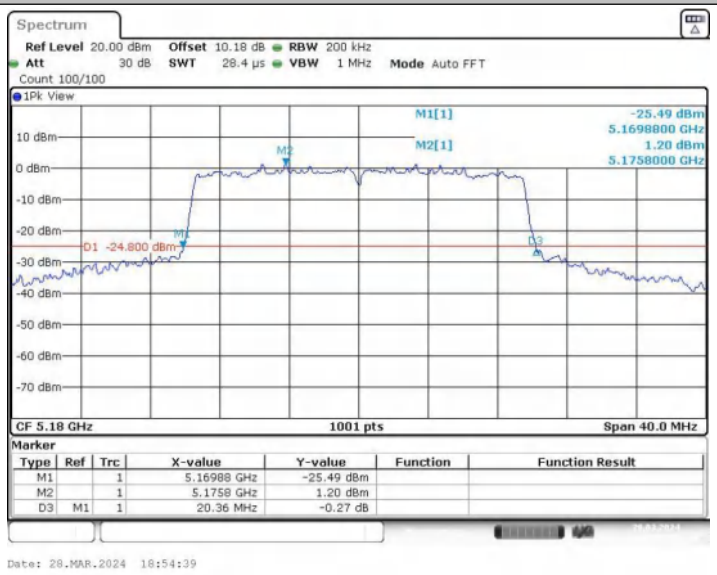

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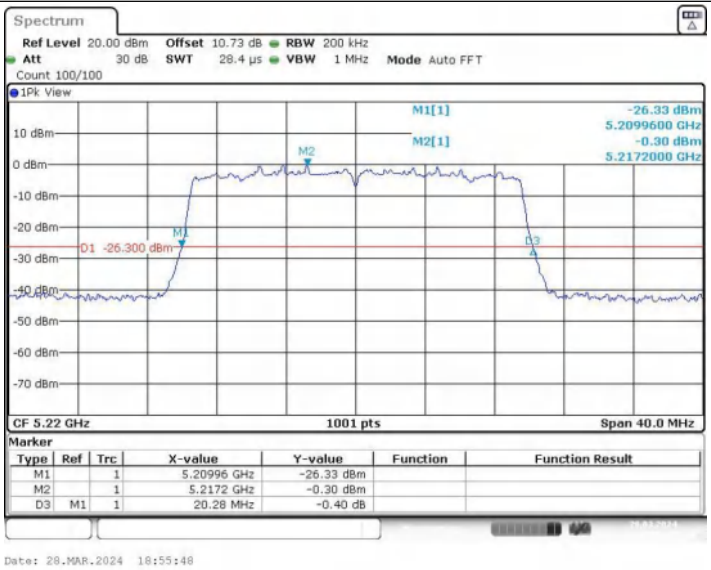

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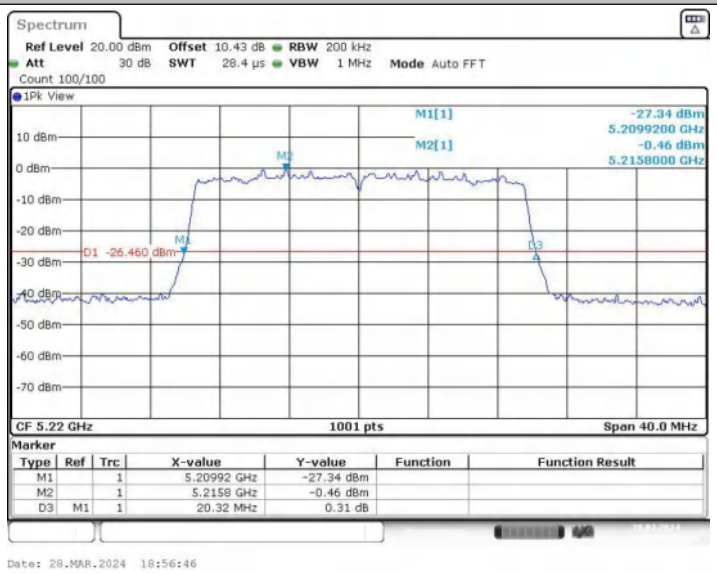

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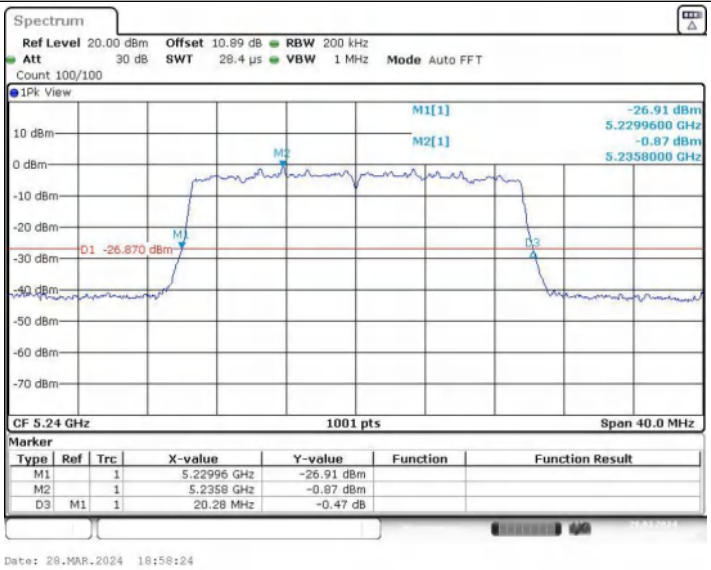

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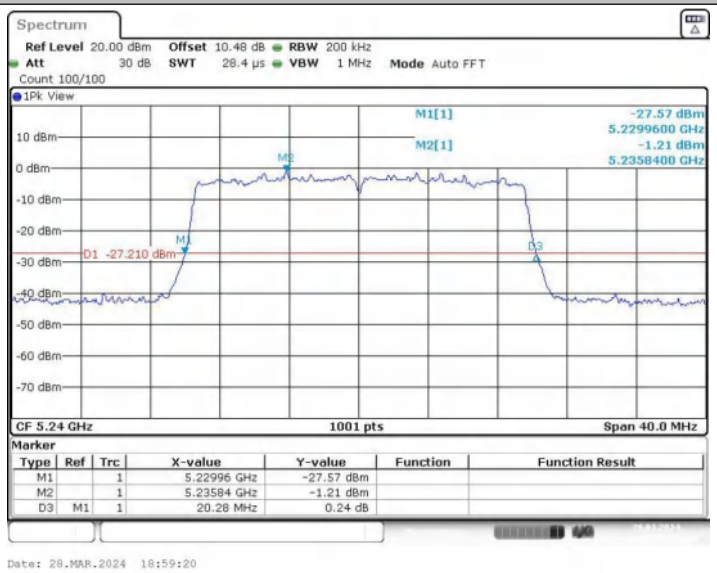

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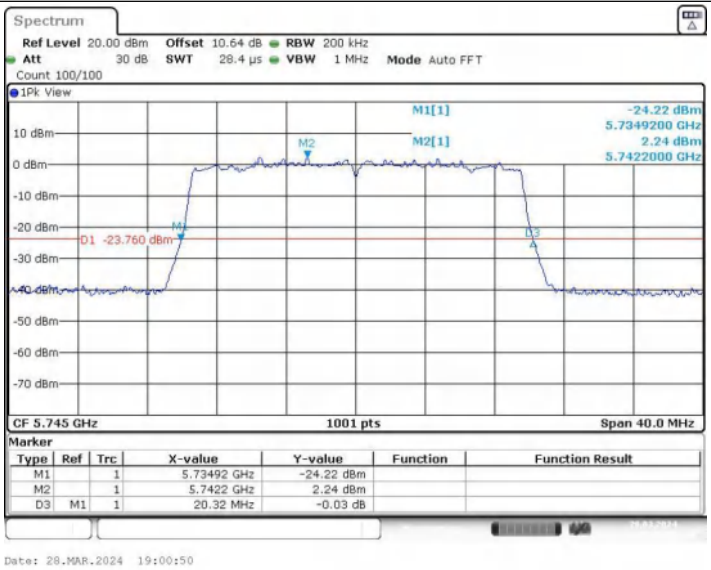

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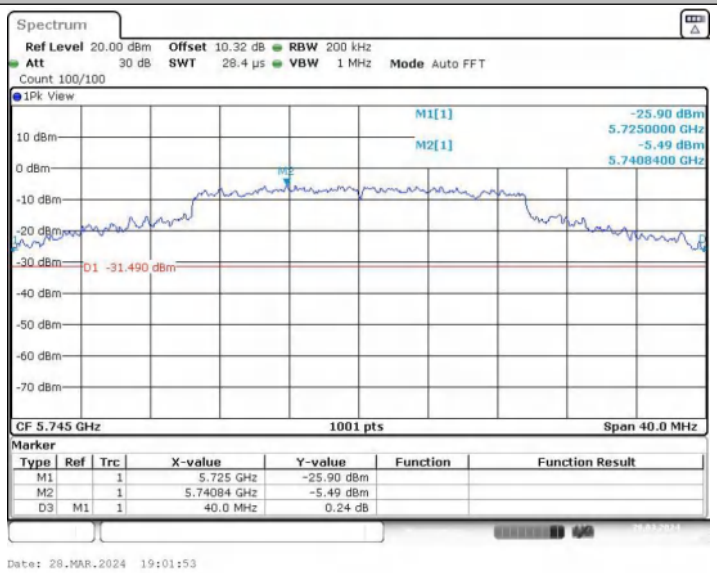

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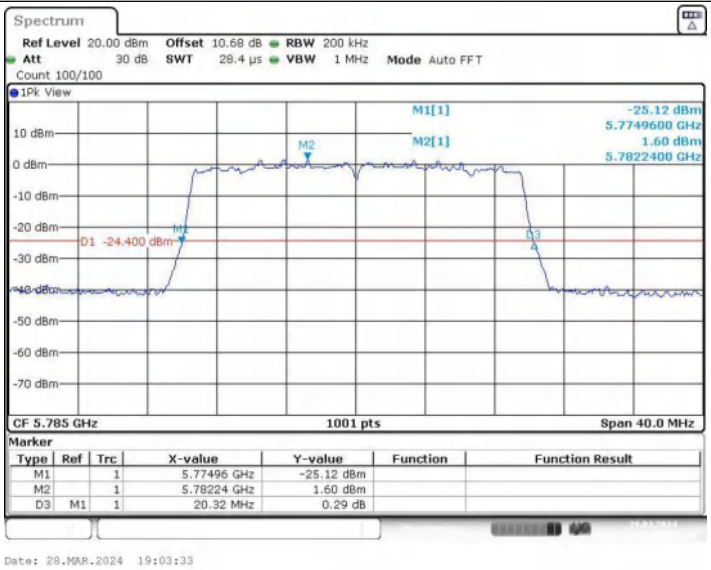

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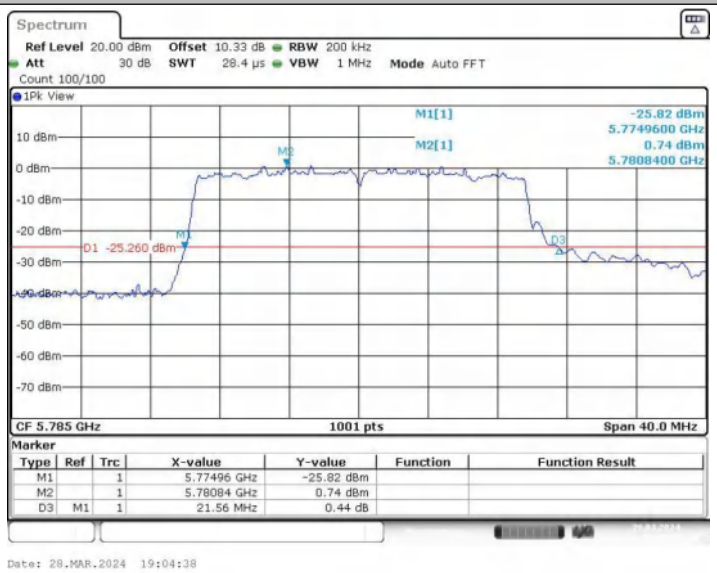

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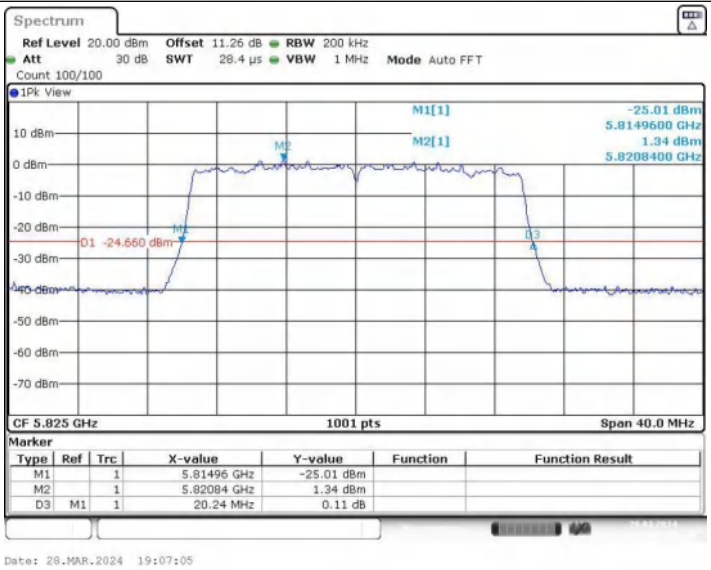

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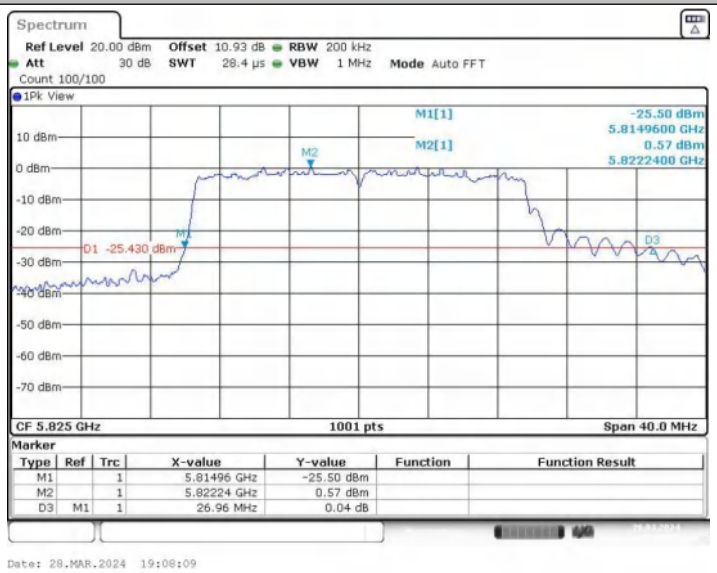

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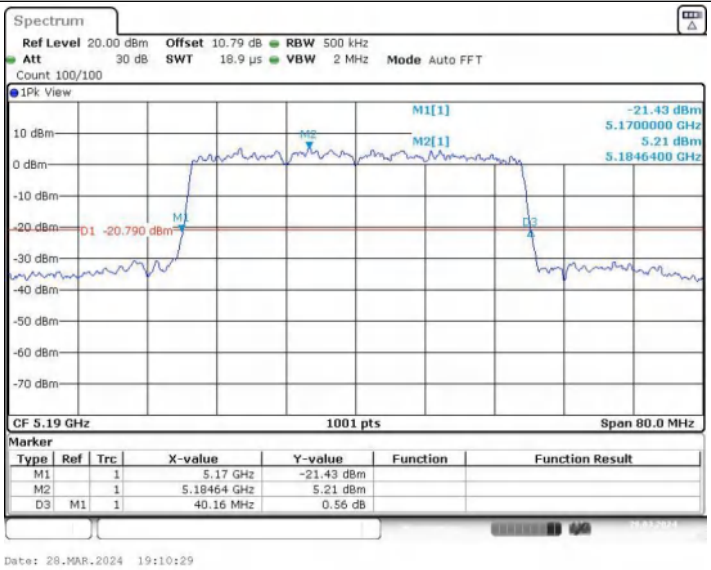

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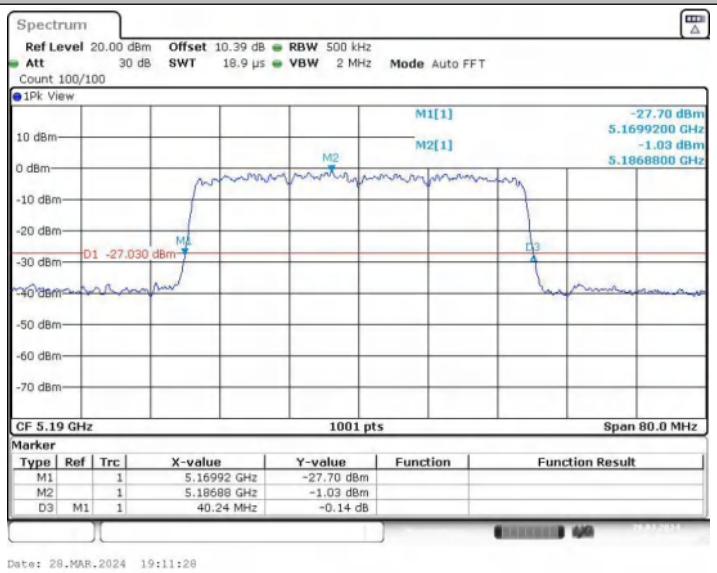
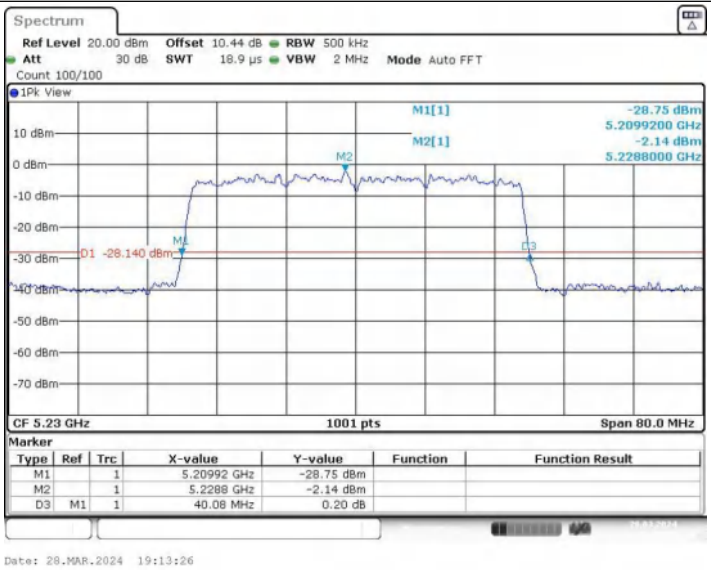


11AX40MIMO_Ant1_5230



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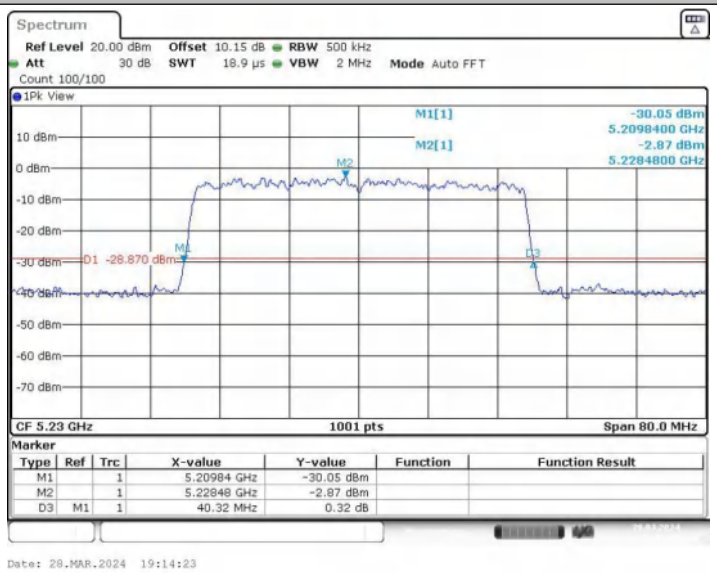

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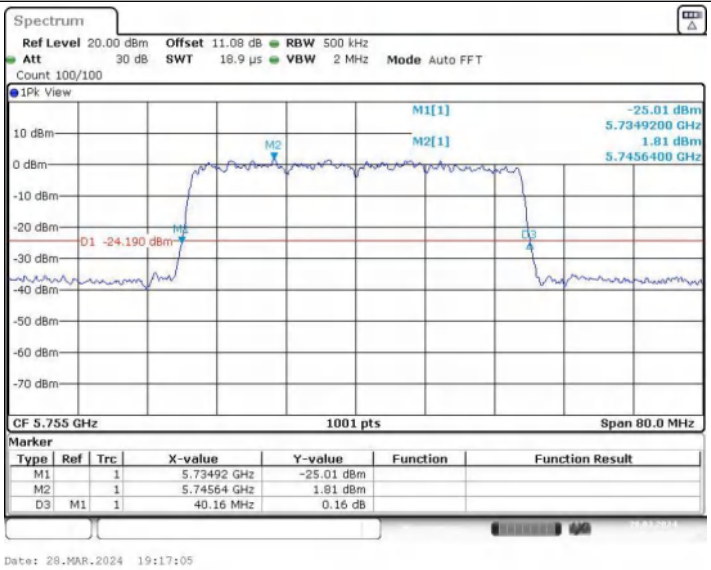

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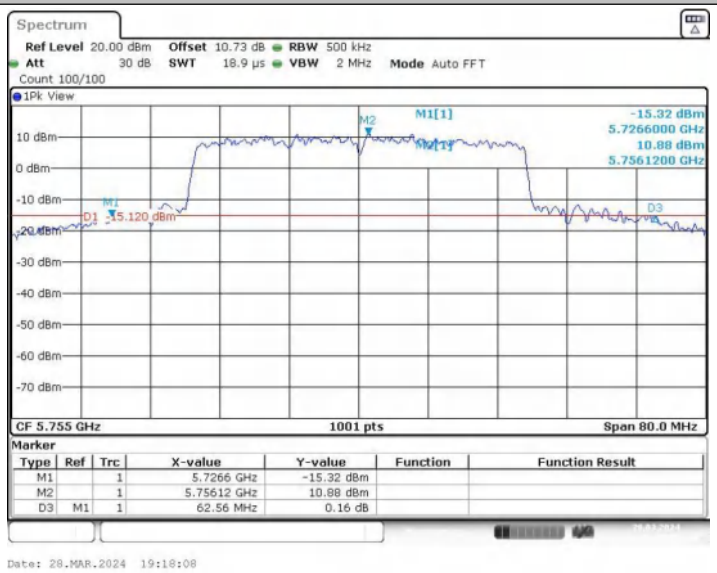

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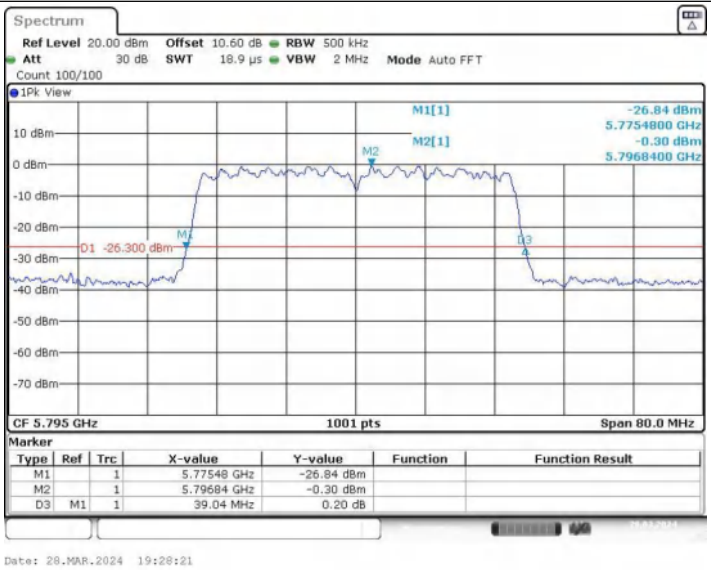

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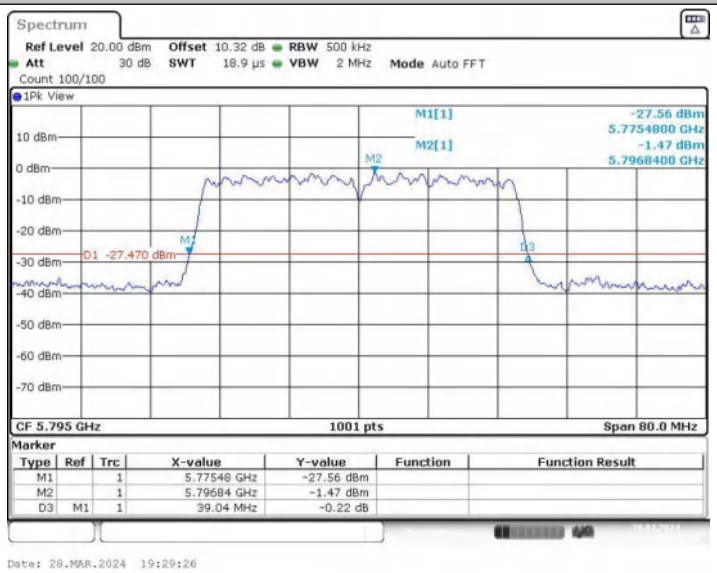
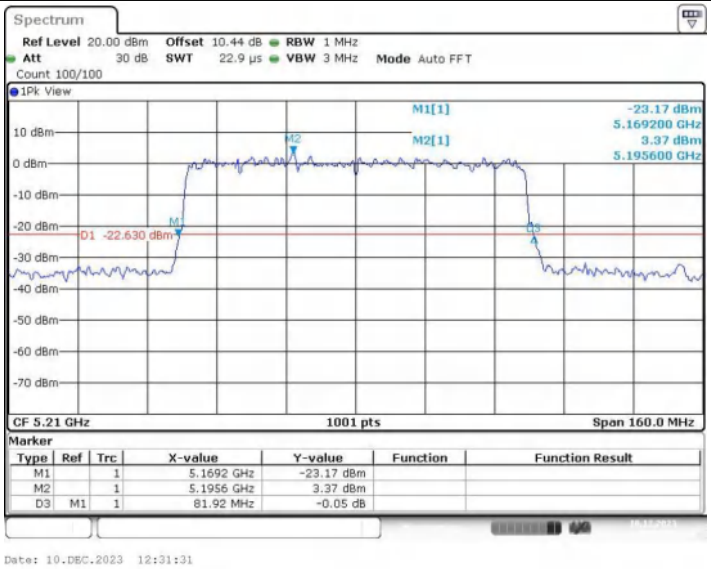


11AX80MIMO_Ant1_5210



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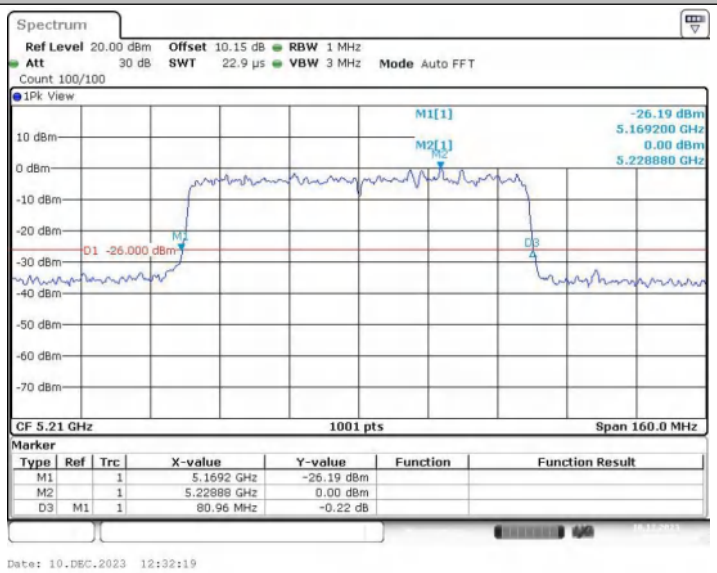

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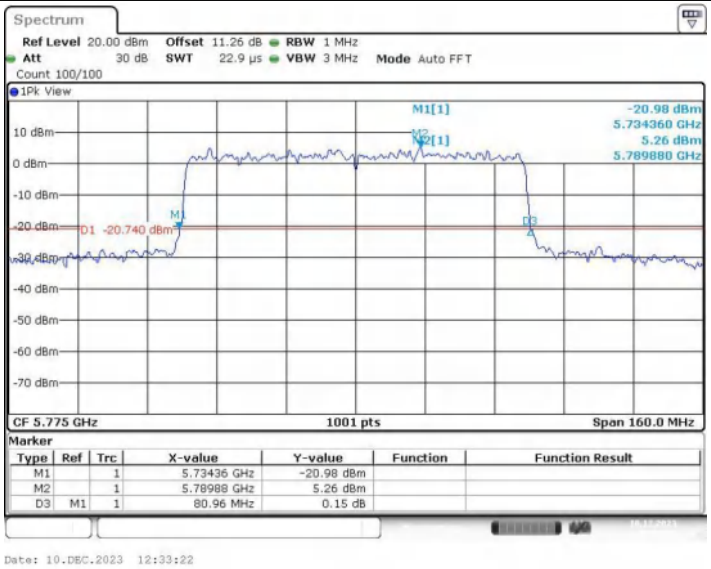

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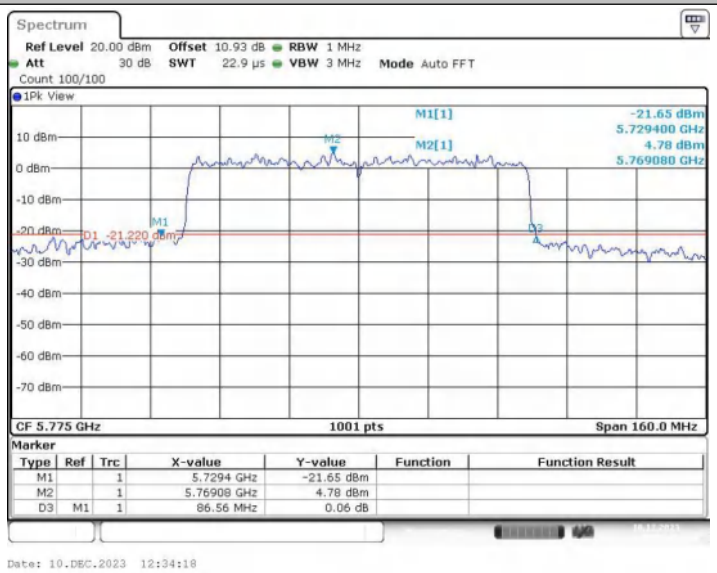


Appendix A2: Occupied channel bandwidth

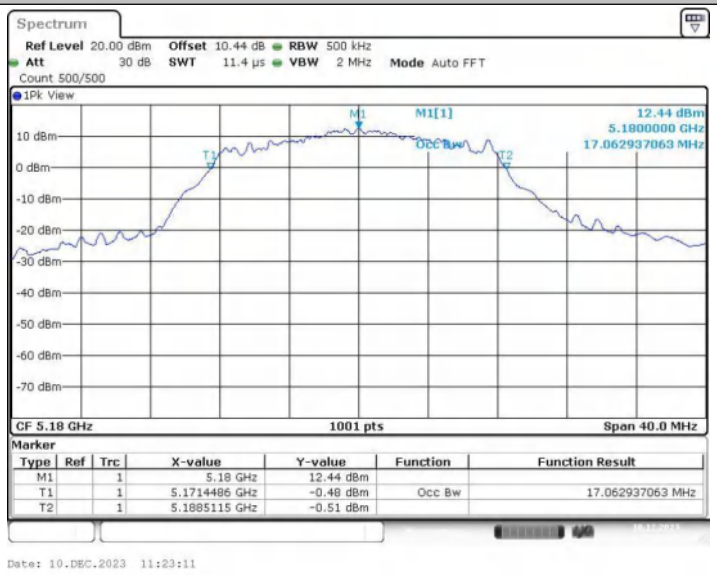
Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.063	5171.4486	5188.5115	---	---
	Ant2	5180	17.023	5171.5285	5188.5514	---	---
	Ant1	5220	17.063	5211.5285	5228.5914	---	---
	Ant2	5220	17.423	5211.2488	5228.6713	---	---
	Ant1	5240	17.343	5231.0490	5248.3916	---	---
	Ant2	5240	17.103	5231.2887	5248.3916	---	---
	Ant1	5745	17.103	5736.4885	5753.5914	---	---
	Ant2	5745	16.903	5736.5684	5753.4715	---	---
	Ant1	5785	17.223	5776.3287	5793.5514	---	---
	Ant2	5785	17.423	5776.3686	5793.7912	---	---
	Ant1	5825	17.423	5816.2088	5833.6314	---	---
	Ant2	5825	17.023	5816.5285	5833.5514	---	---
11N20MIMO	Ant1	5180	18.102	5170.8492	5188.9510	---	---
	Ant2	5180	17.822	5171.0490	5188.8711	---	---
	Ant1	5220	18.142	5210.9690	5229.1109	---	---
	Ant2	5220	17.942	5210.9690	5228.9111	---	---
	Ant1	5240	18.062	5230.8492	5248.9111	---	---
	Ant2	5240	17.862	5230.9690	5248.8312	---	---
	Ant1	5745	18.222	5735.8092	5754.0310	---	---
	Ant2	5745	17.782	5736.0090	5753.7912	---	---
	Ant1	5785	17.982	5775.9690	5793.9510	---	---
	Ant2	5785	17.902	5775.9291	5793.8312	---	---
	Ant1	5825	18.022	5815.8492	5833.8711	---	---
	Ant2	5825	17.862	5815.9690	5833.8312	---	---
11N40MIMO	Ant1	5190	36.763	5171.6983	5208.4615	---	---
	Ant2	5190	36.603	5171.5385	5208.1419	---	---
	Ant1	5230	36.603	5211.6184	5248.2218	---	---
	Ant2	5230	36.603	5211.6184	5248.2218	---	---
	Ant1	5755	36.603	5736.5385	5773.1419	---	---
	Ant2	5755	36.603	5736.5385	5773.1419	---	---
	Ant1	5795	36.523	5776.6983	5813.2218	---	---
	Ant2	5795	36.603	5776.5385	5813.1419	---	---
11AC80MIMO	Ant1	5210	76.404	5171.7982	5248.2018	---	---
	Ant2	5210	75.764	5171.9580	5247.7223	---	---
	Ant1	5775	76.084	5736.7982	5812.8821	---	---

	Ant2	5775	76.404	5736.6384	5813.0420	---	---
11AX20MIMO	Ant1	5180	18.861	5170.5295	5189.3906	---	---
	Ant2	5180	19.021	5170.4895	5189.5105	---	---
	Ant1	5220	18.821	5210.6494	5229.4705	---	---
	Ant2	5220	18.941	5210.5694	5229.5105	---	---
	Ant1	5240	18.941	5230.5694	5249.5105	---	---
	Ant2	5240	18.901	5230.6094	5249.5105	---	---
	Ant1	5745	18.861	5735.6893	5754.5504	---	---
	Ant2	5745	18.941	5728.5764	5761.7033	---	---
	Ant1	5785	18.901	5775.6094	5794.5105	---	---
	Ant2	5785	18.901	5775.6494	5794.5504	---	---
	Ant1	5825	18.901	5815.6494	5834.5504	---	---
	Ant2	5825	18.941	5815.6094	5834.5504	---	---
11AX40MIMO	Ant1	5190	37.802	5171.1389	5208.9411	---	---
	Ant2	5190	37.882	5171.1389	5209.0210	---	---
	Ant1	5230	37.882	5211.1389	5249.0210	---	---
	Ant2	5230	37.802	5211.1389	5248.9411	---	---
	Ant1	5755	37.802	5736.1389	5773.9411	---	---
	Ant2	5755	38.202	5736.0589	5774.2607	---	---
	Ant1	5795	36.284	5776.8581	5813.1419	---	---
	Ant2	5795	36.204	5776.9381	5813.1419	---	---
11AX80MIMO	Ant1	5210	77.522	5171.1588	5248.6813	---	---
	Ant2	5210	77.842	5170.8392	5248.6813	---	---
	Ant1	5775	77.682	5736.1588	5813.8412	---	---
	Ant2	5775	77.842	5735.8392	5813.6813	---	---

Test Graphs

11A_Ant1_5180



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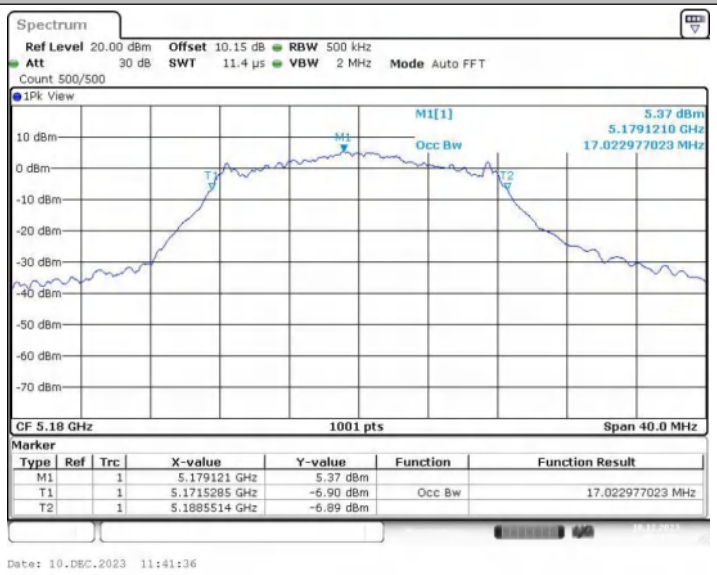

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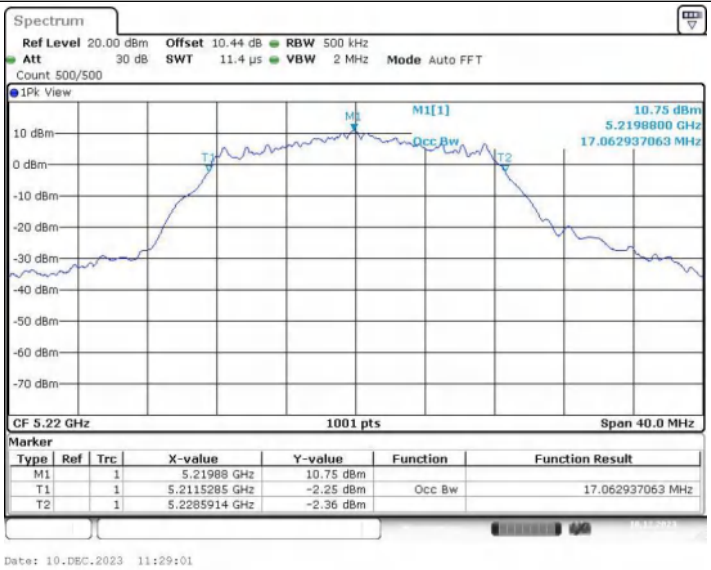

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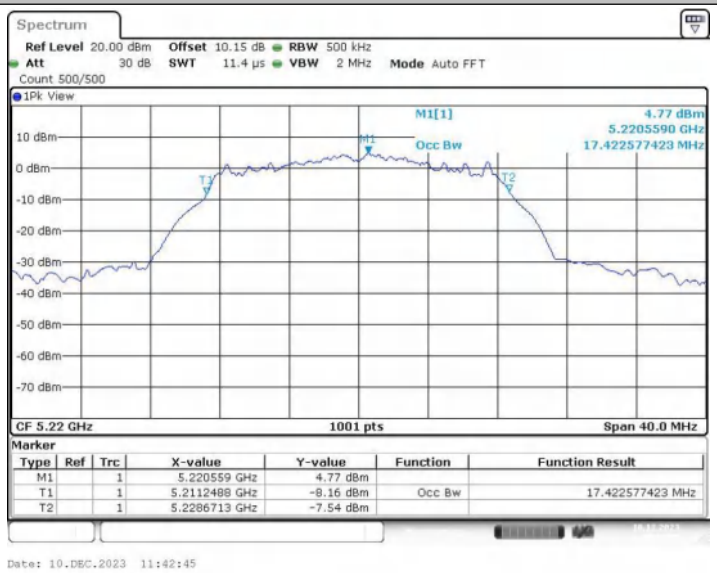
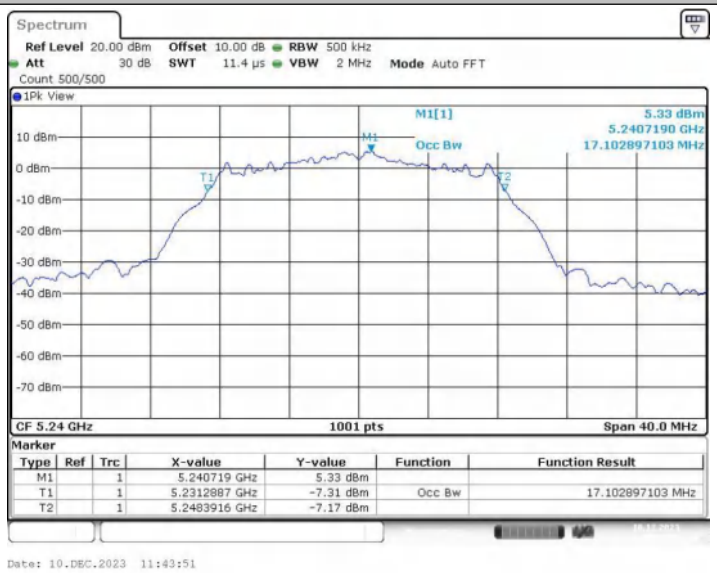


11A_Ant1_5240

11A_Ant2_5240



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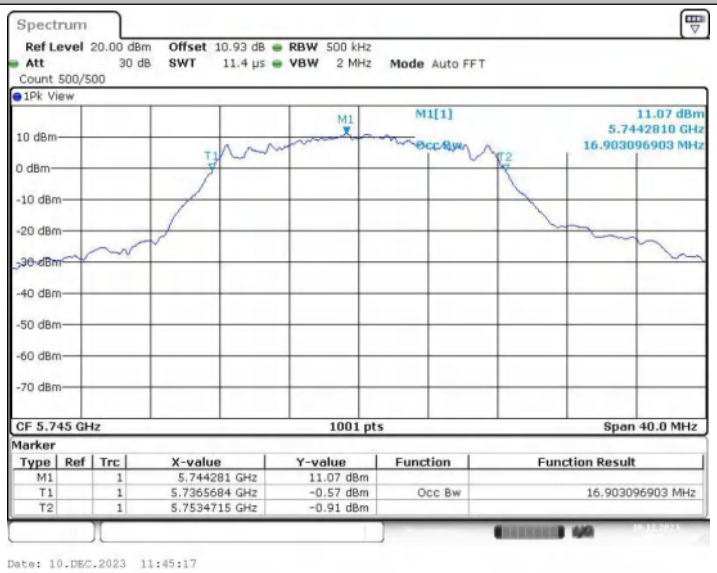
11A_Ant2_5745



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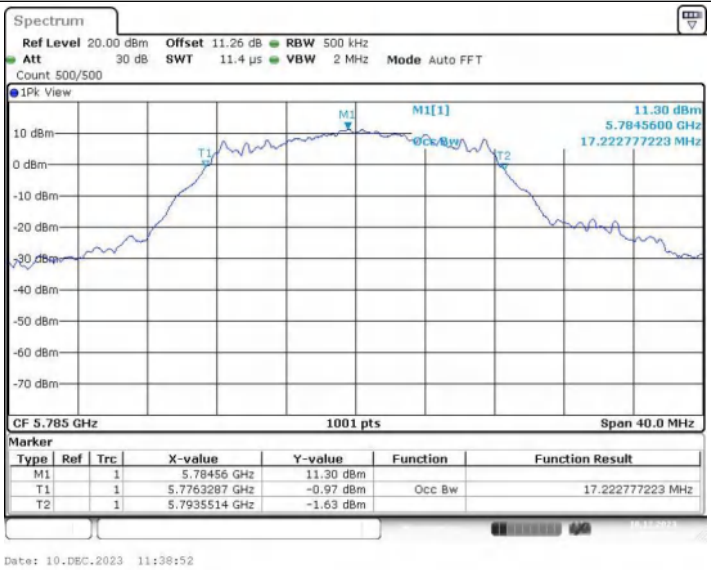

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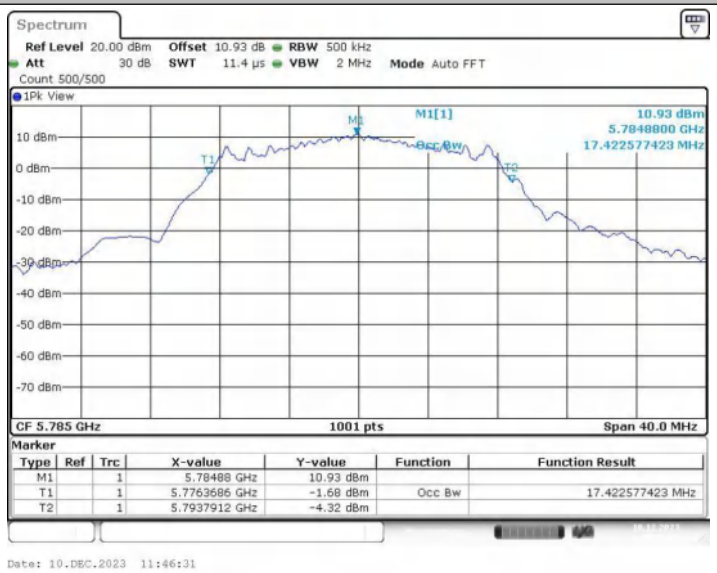

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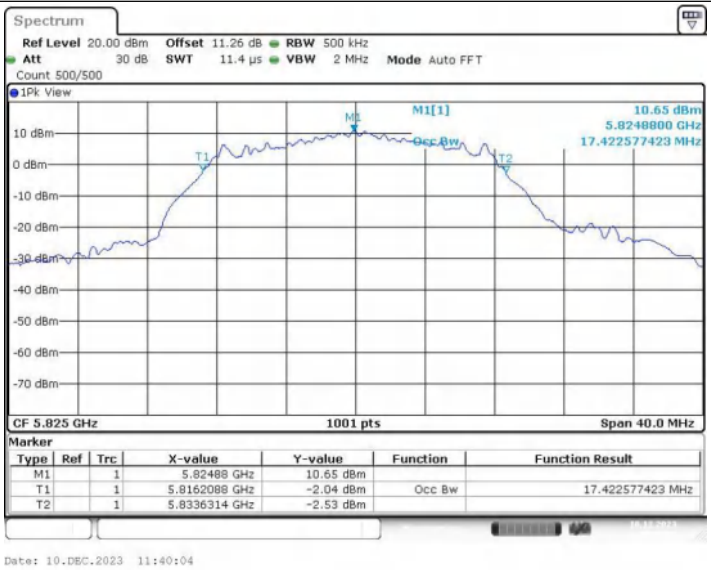

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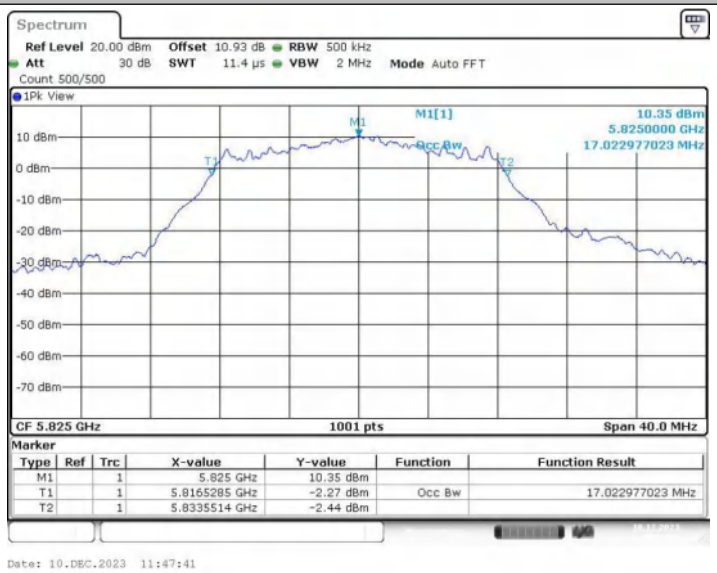

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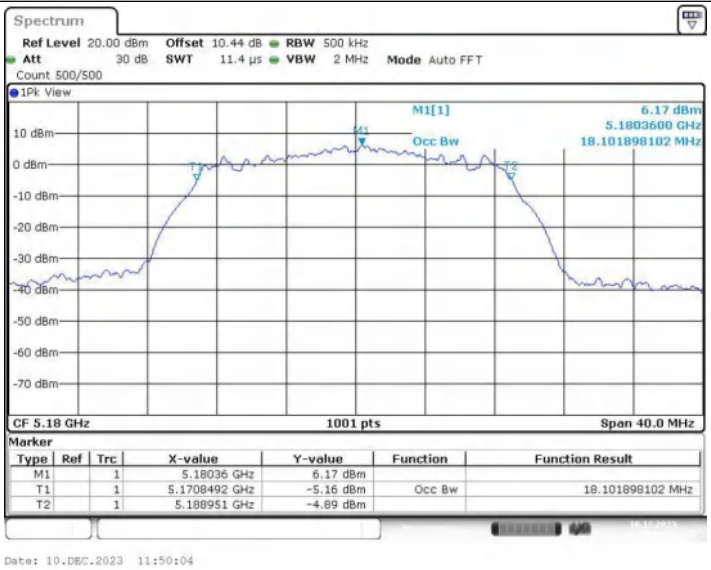

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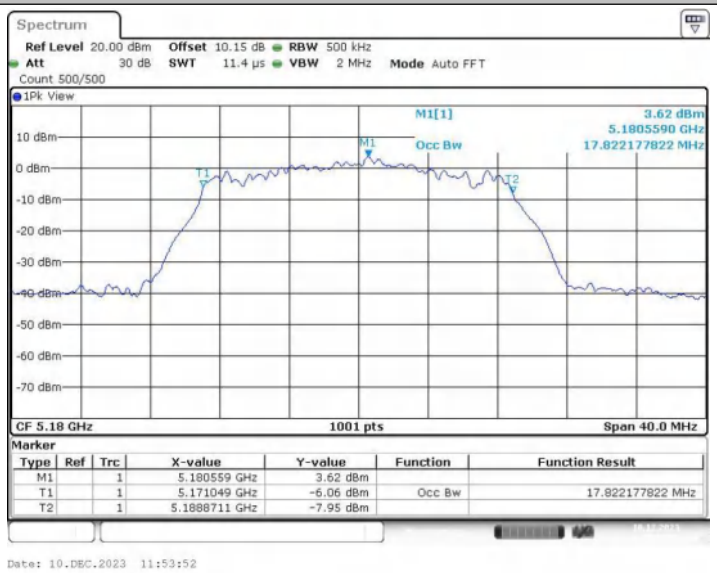

11N20MIMO_Ant1_5220

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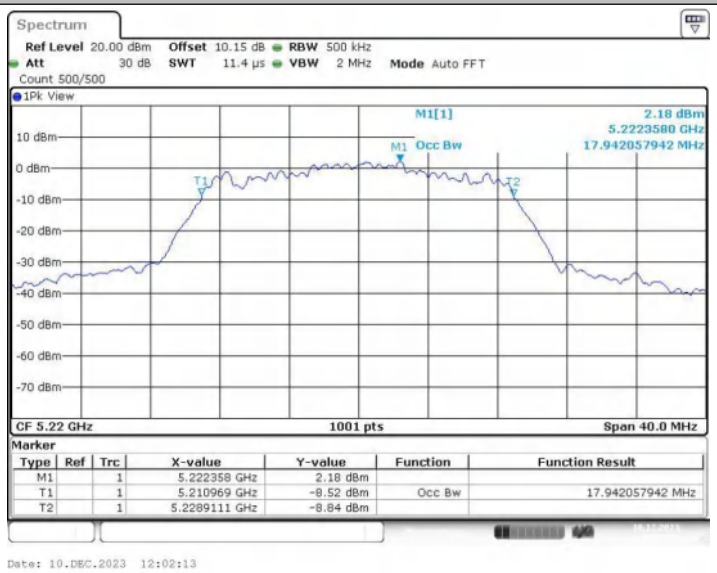

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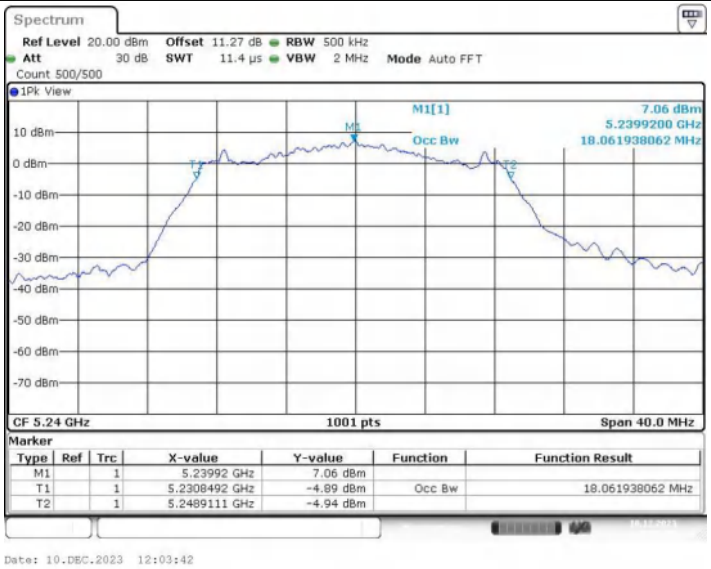

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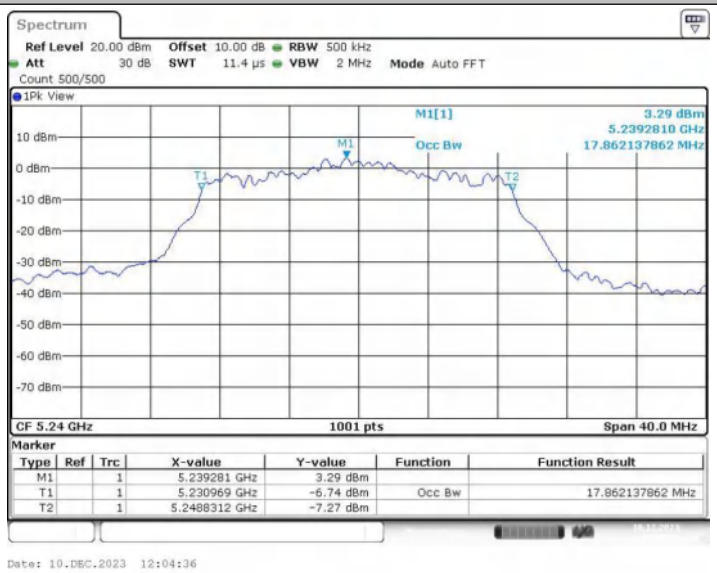

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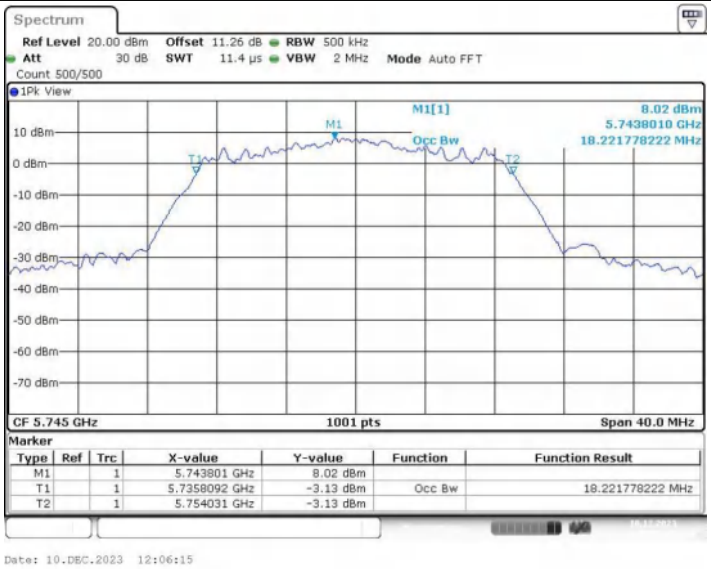

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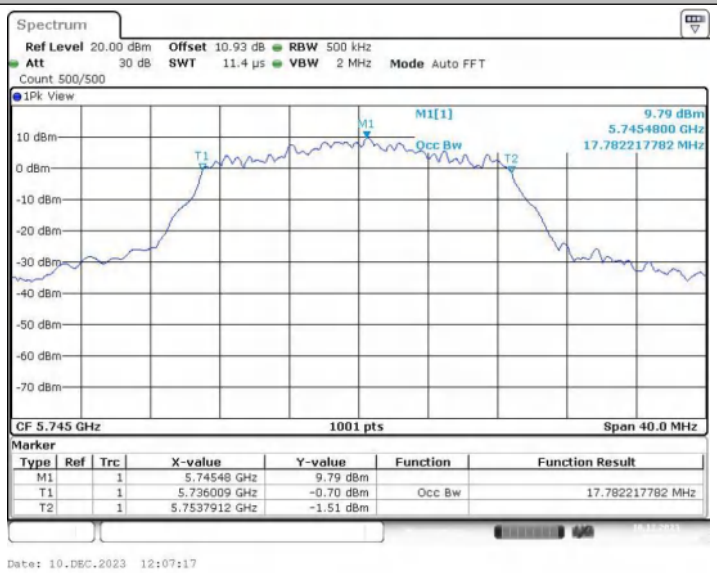

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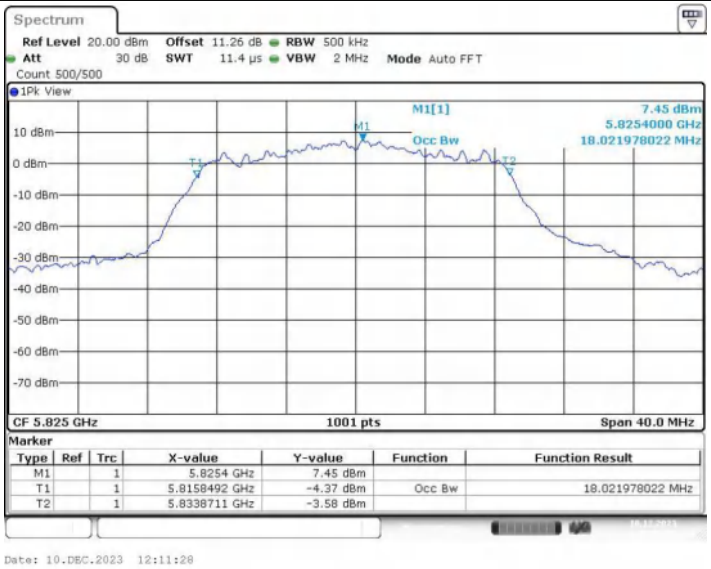
11N20MIMO_Ant2_5785

11N20MIMO_Ant1_5825



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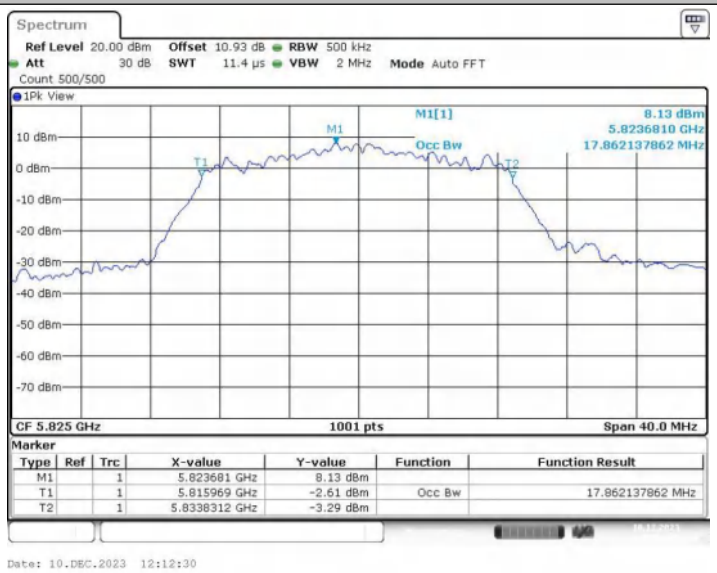

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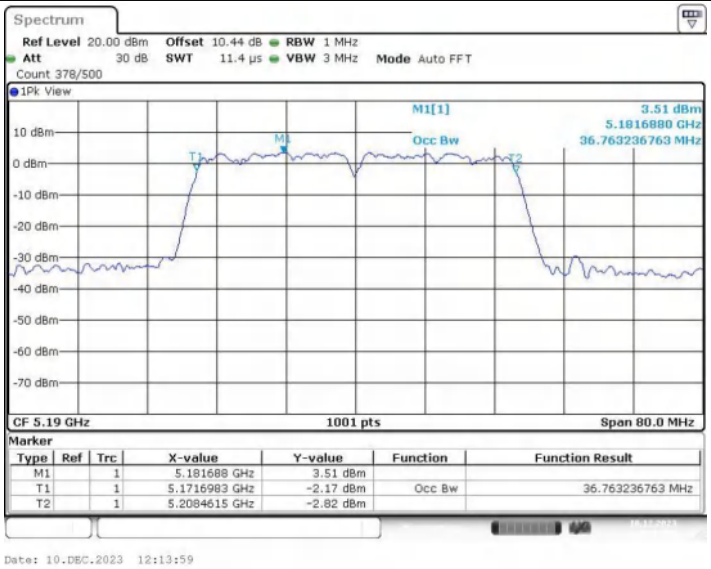

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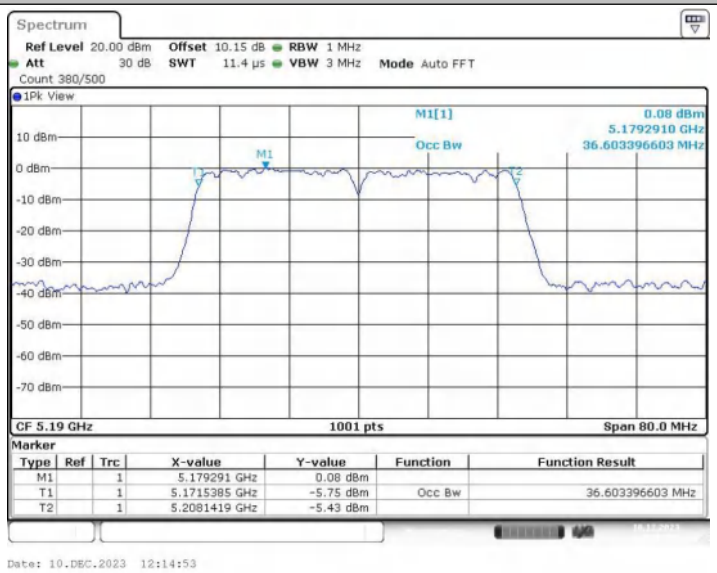

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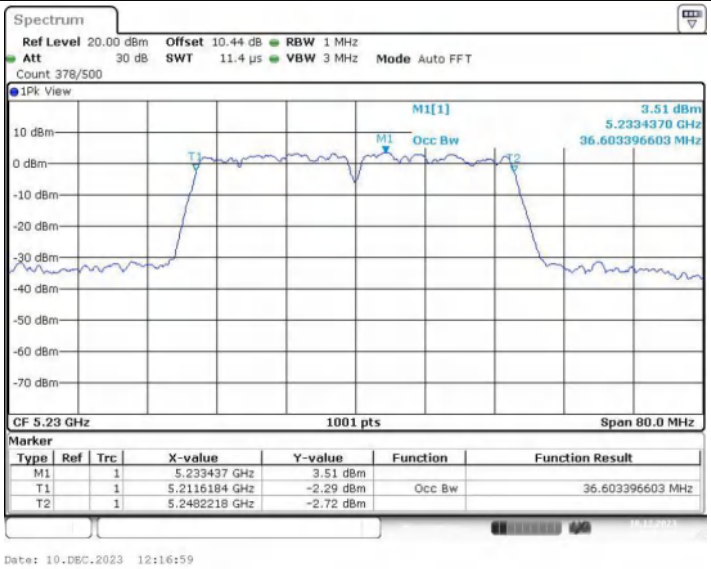
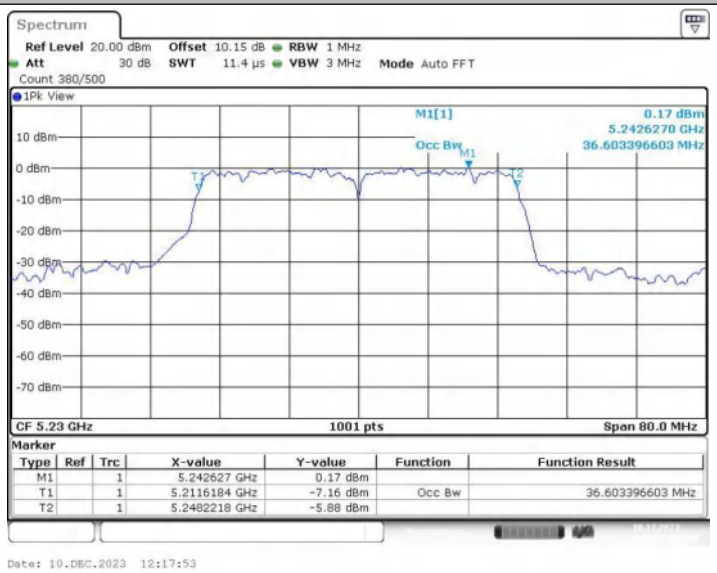
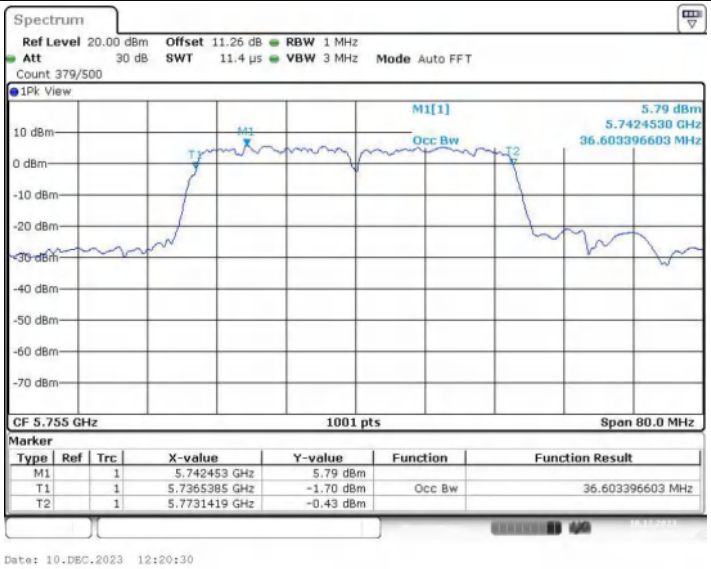


11N40MIMO_Ant2_5230



11N40MIMO_Ant1_5755



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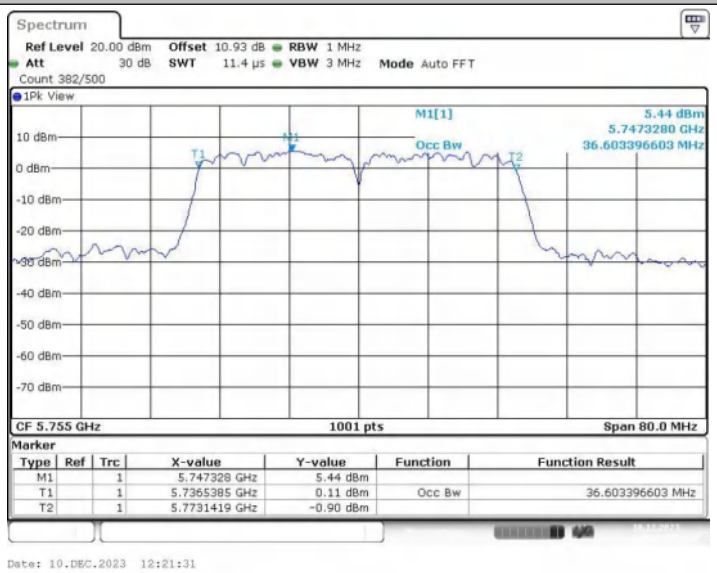

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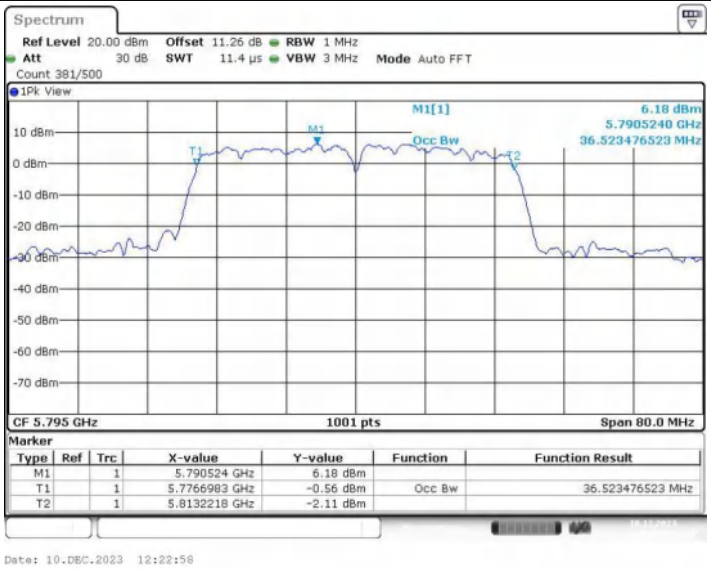

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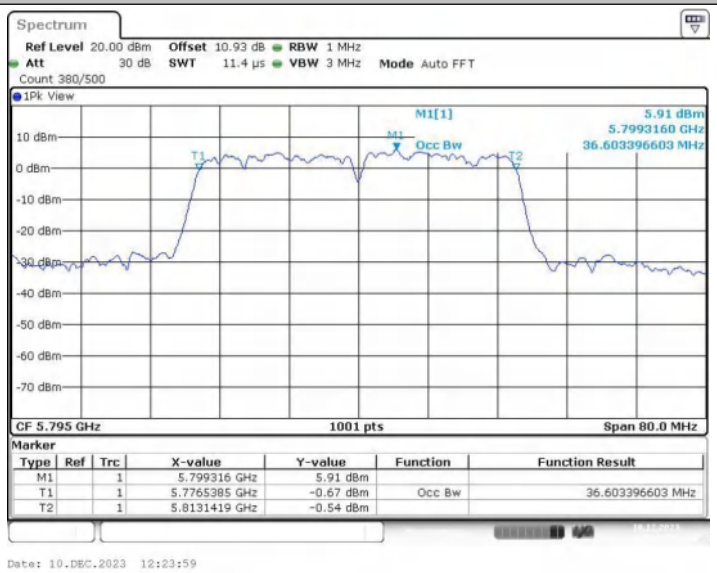

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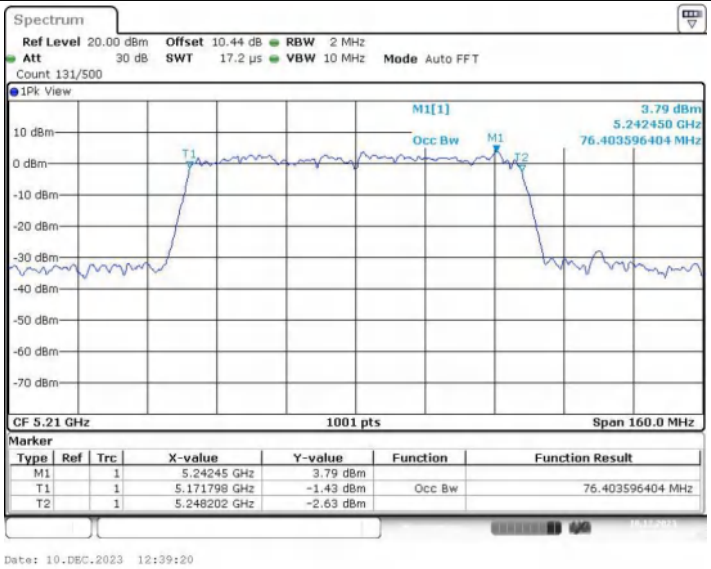

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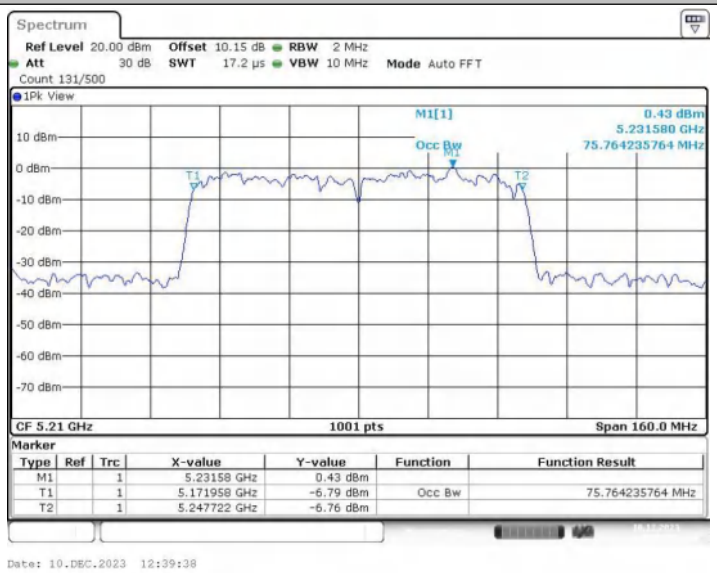

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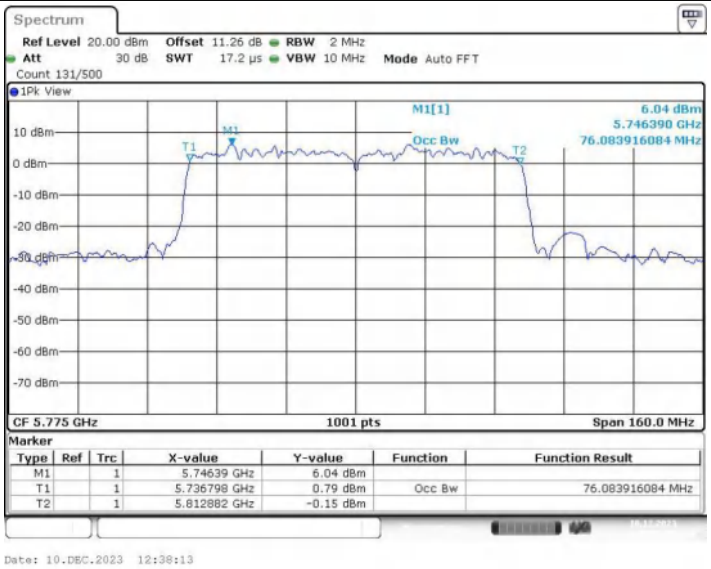

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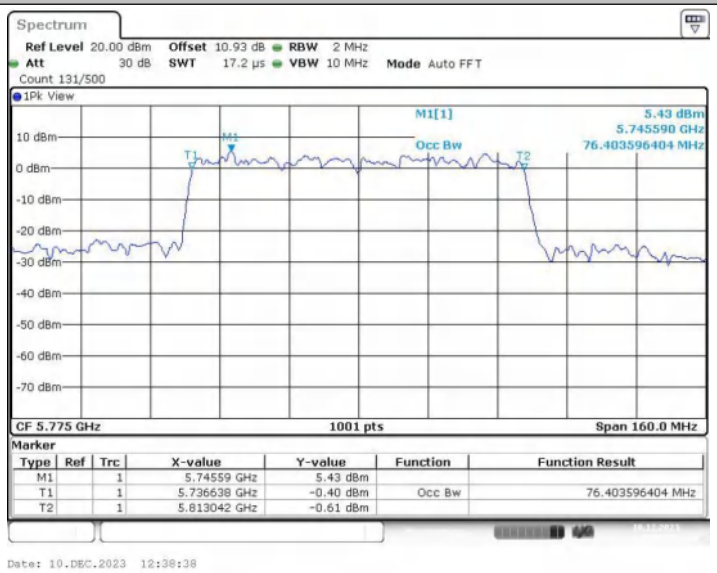

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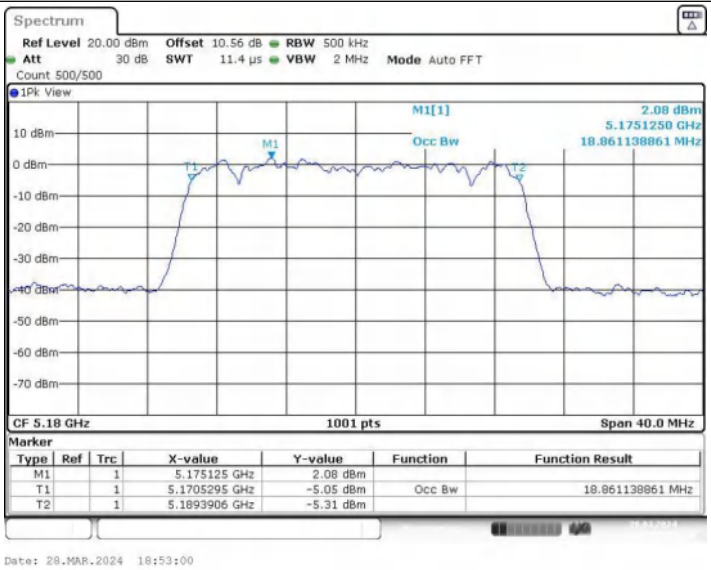

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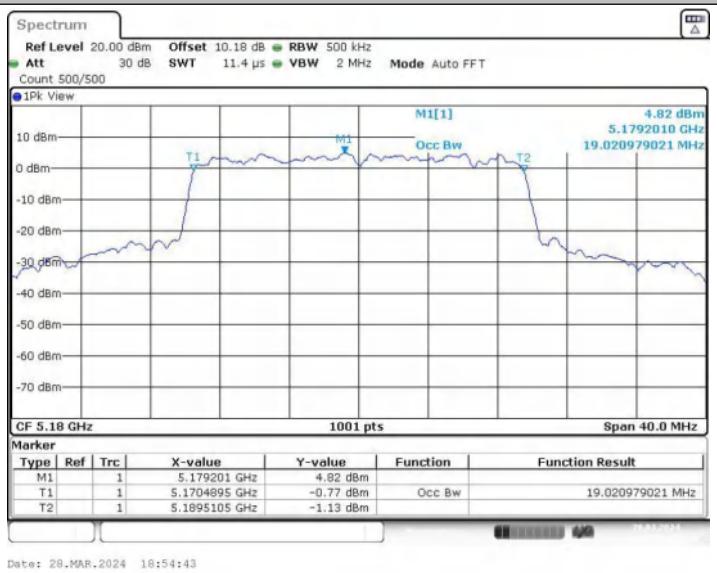

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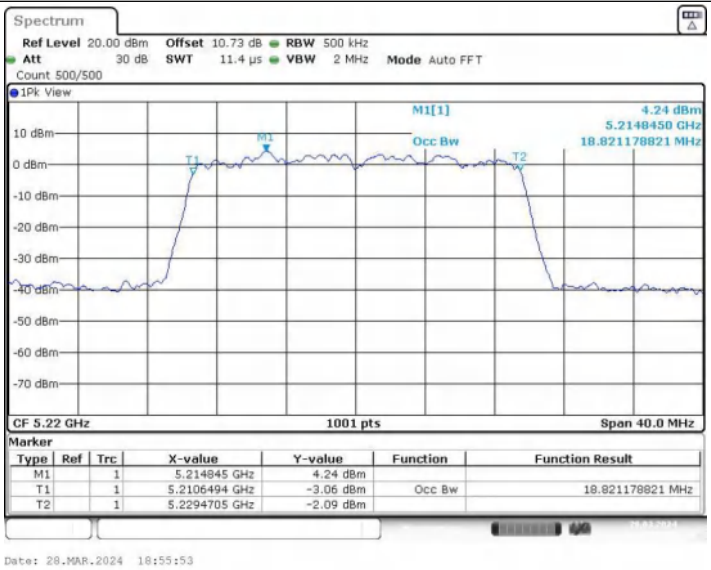

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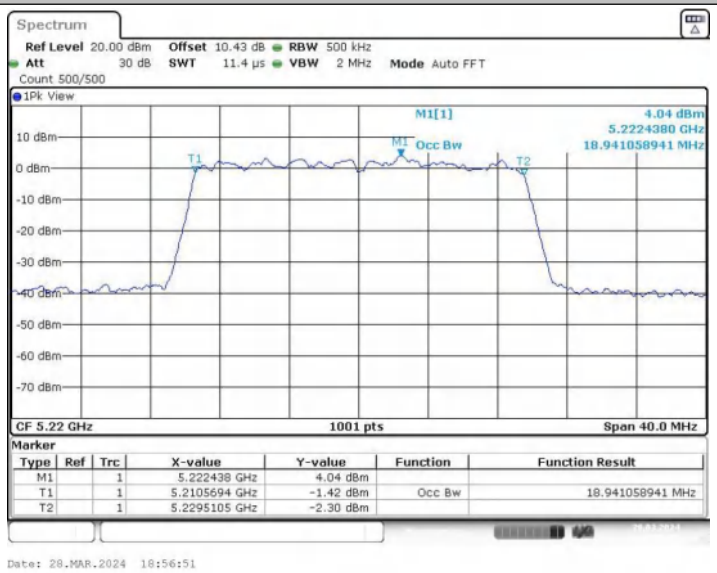

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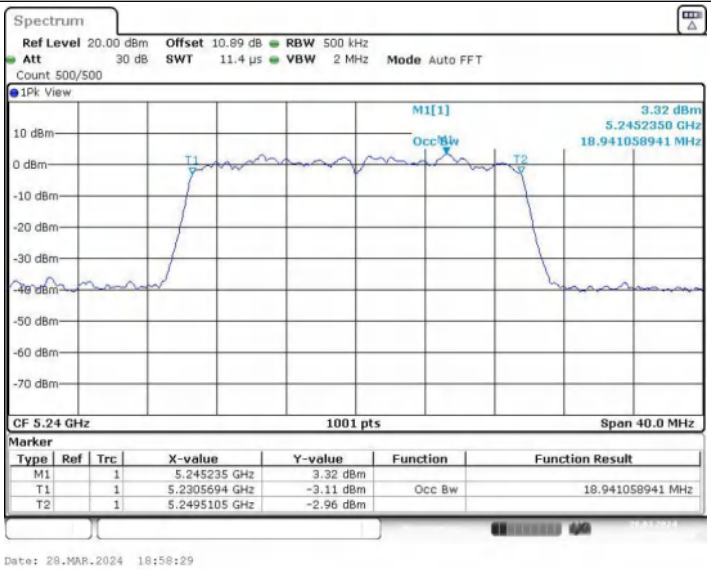

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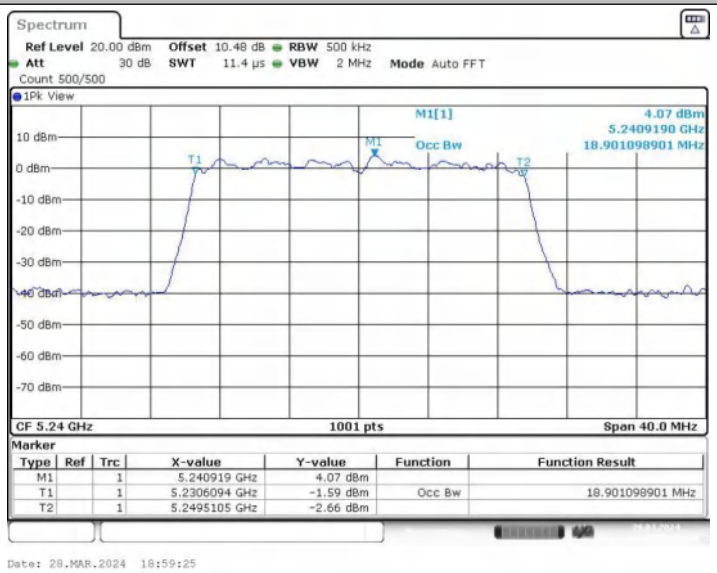

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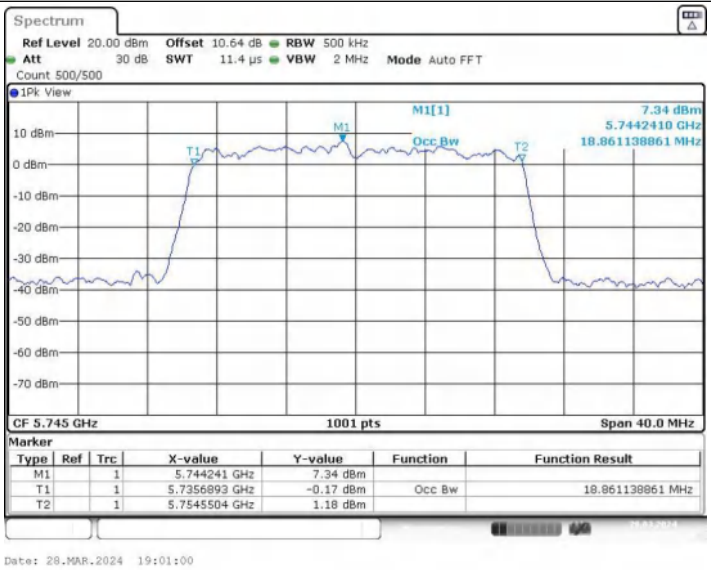

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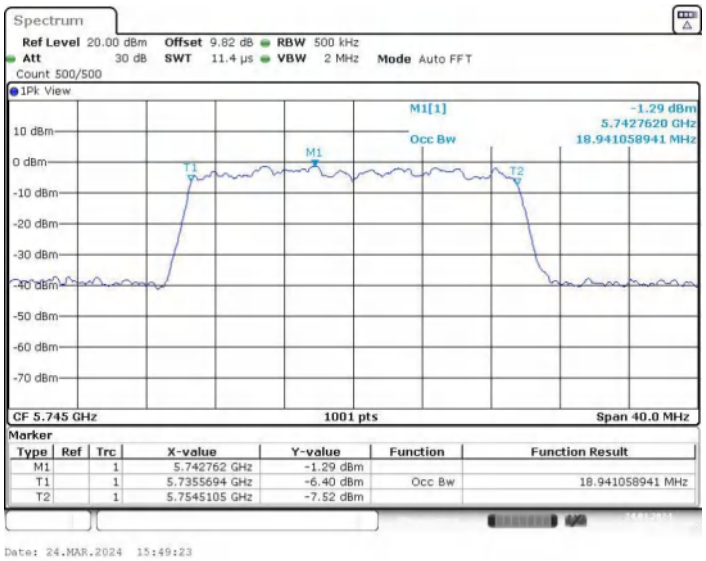

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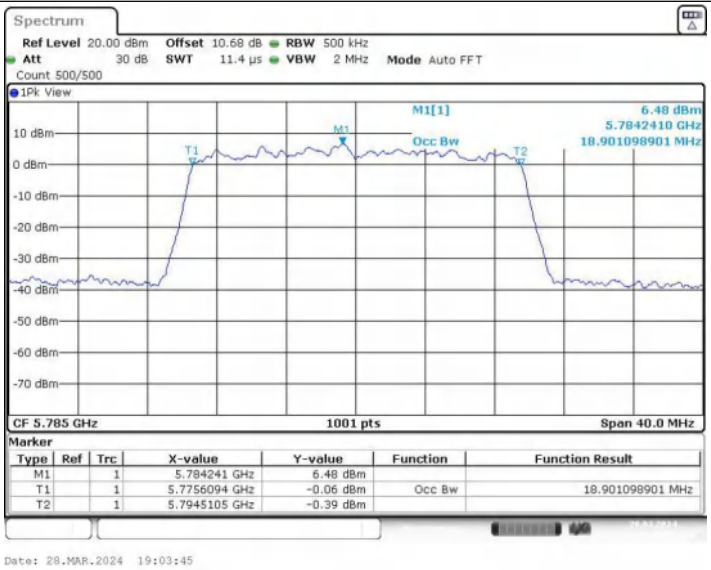

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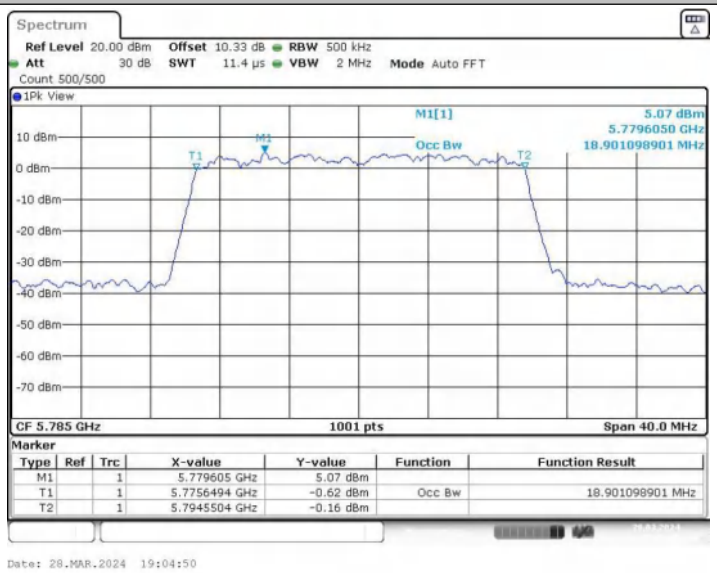

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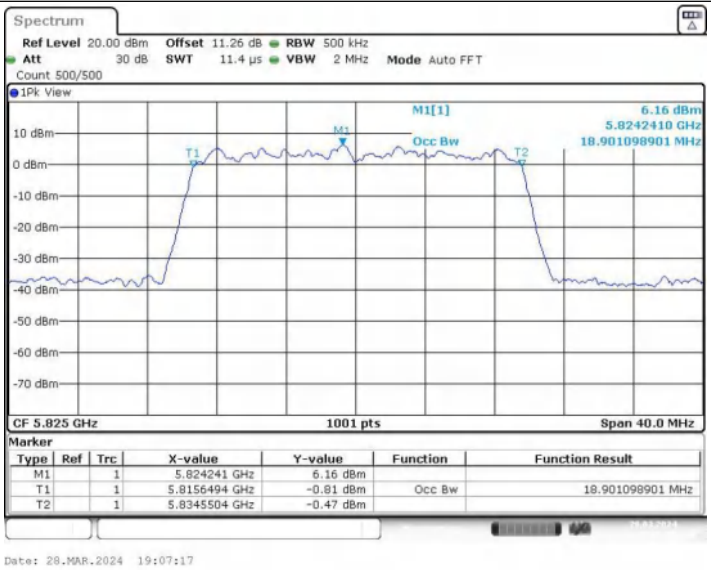

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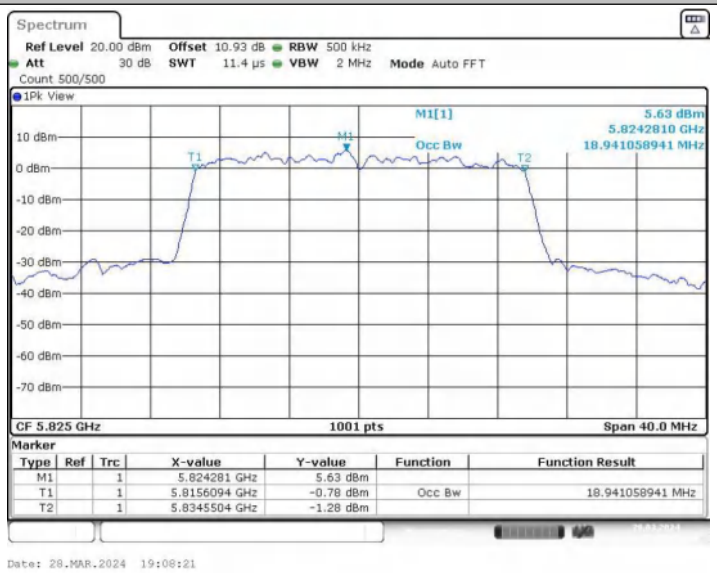

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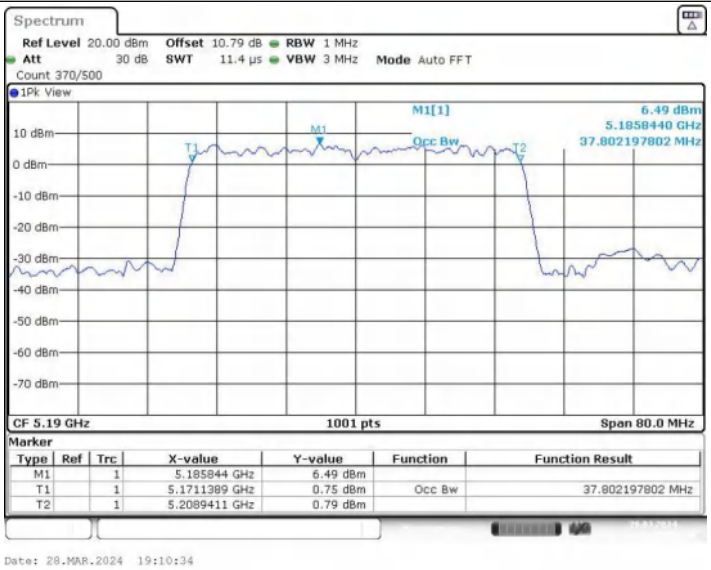

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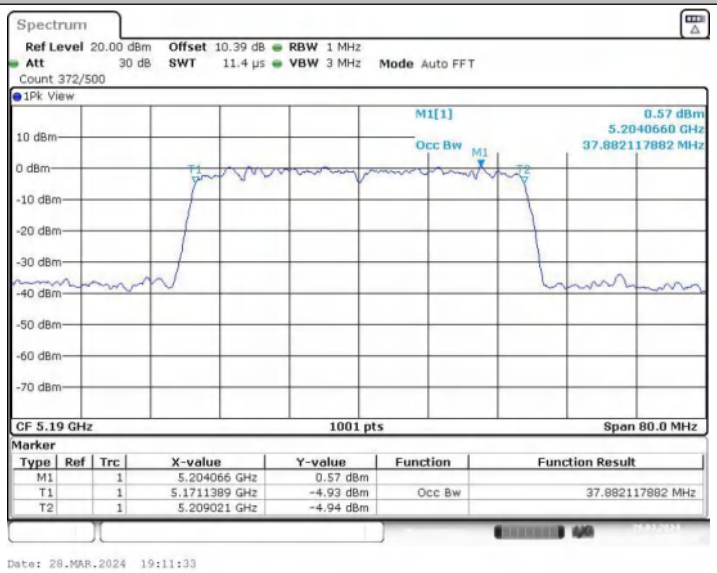

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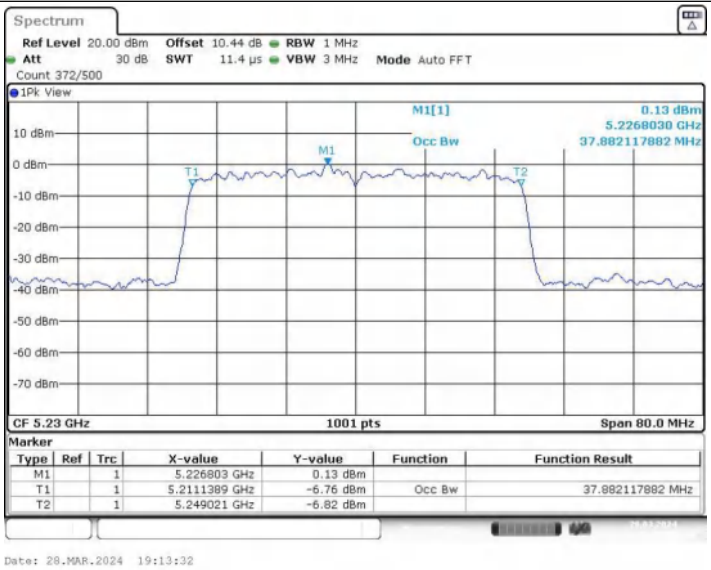

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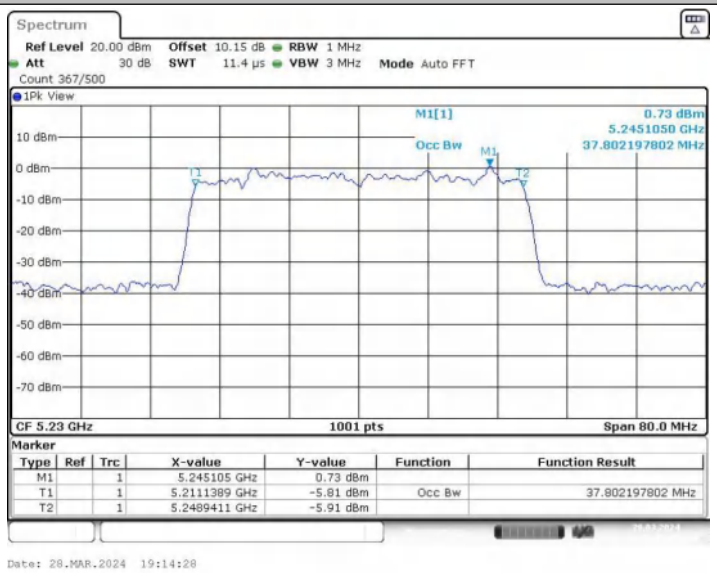

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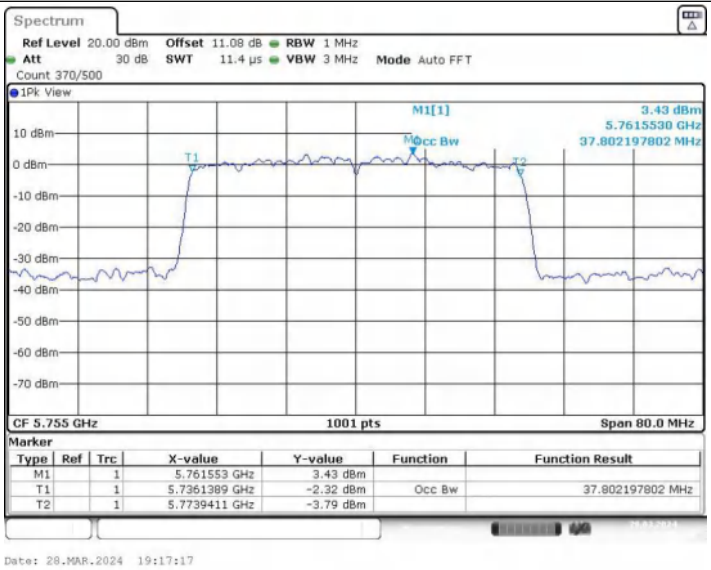

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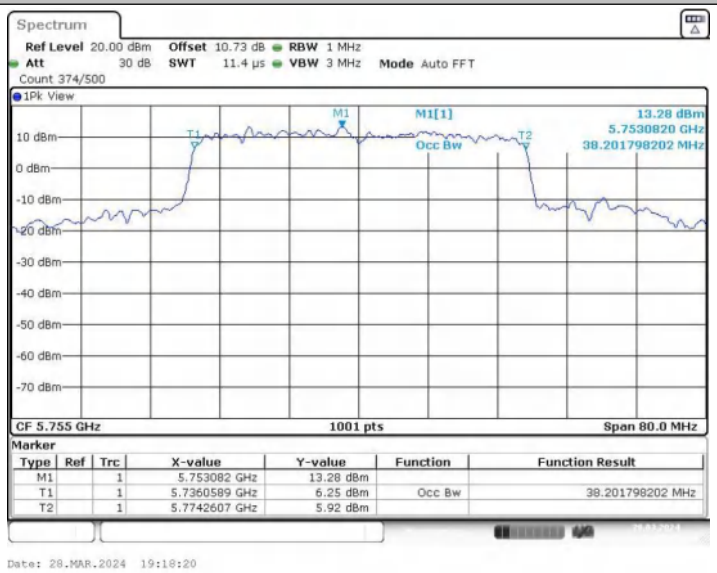

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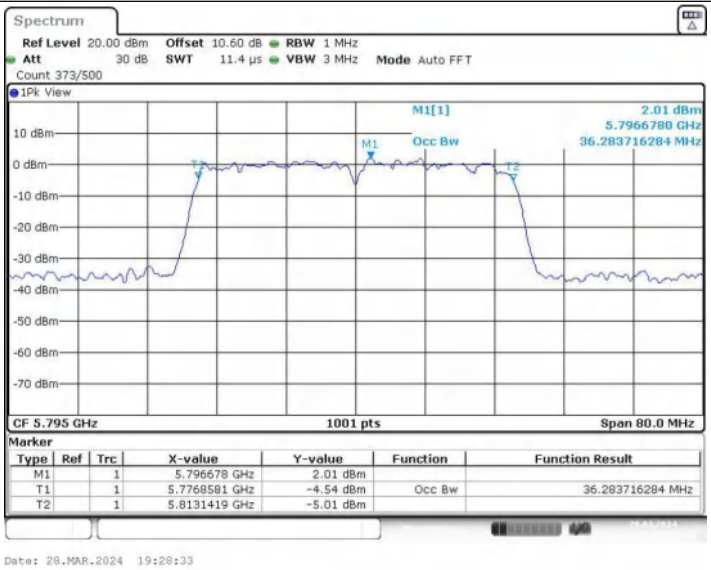

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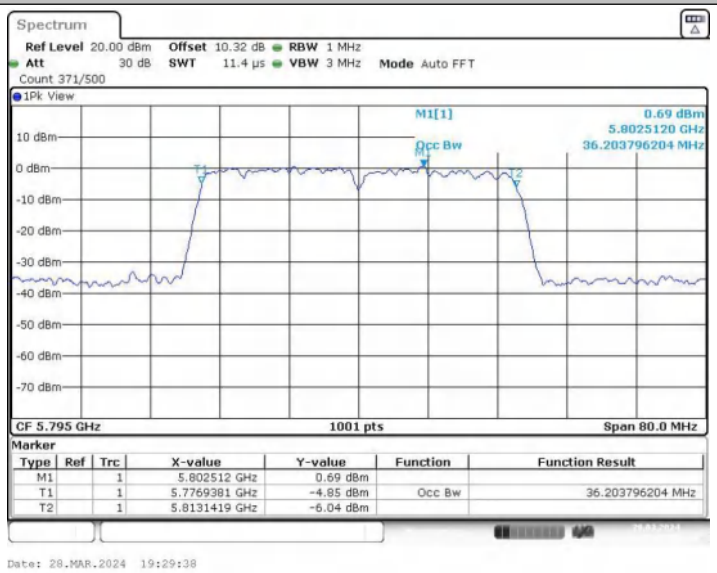

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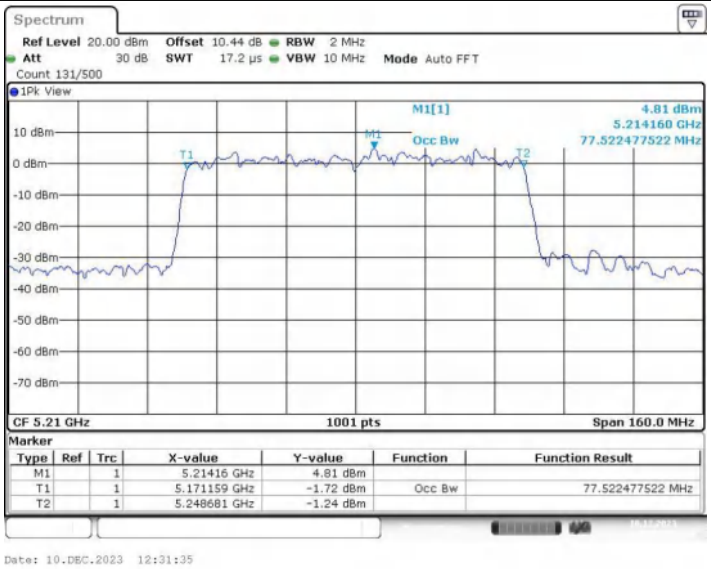

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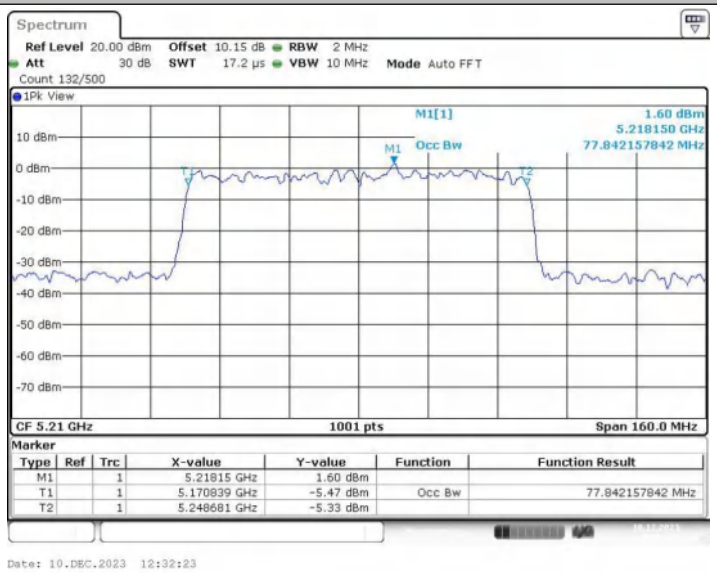

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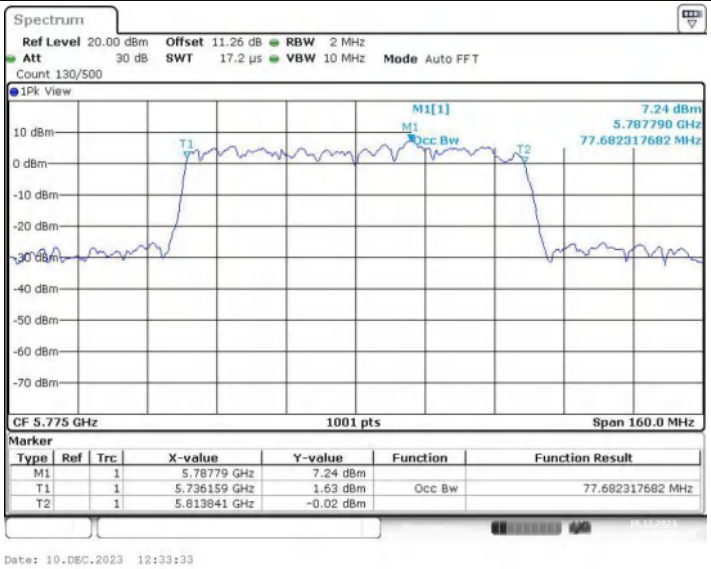

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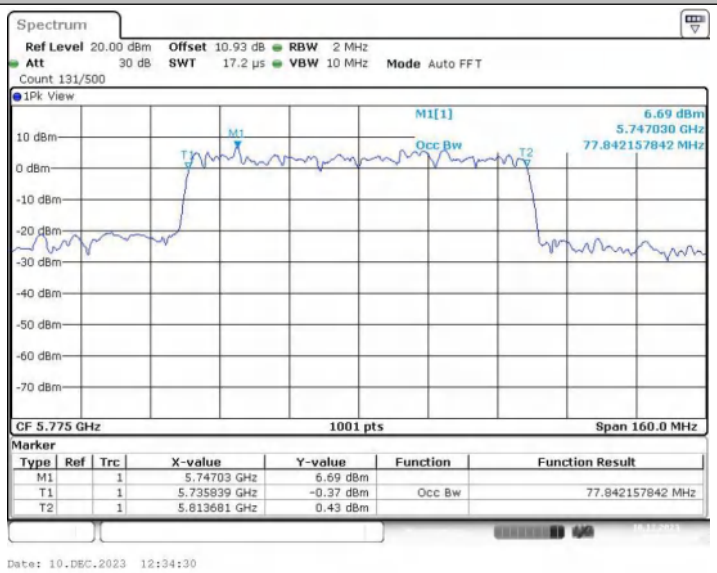


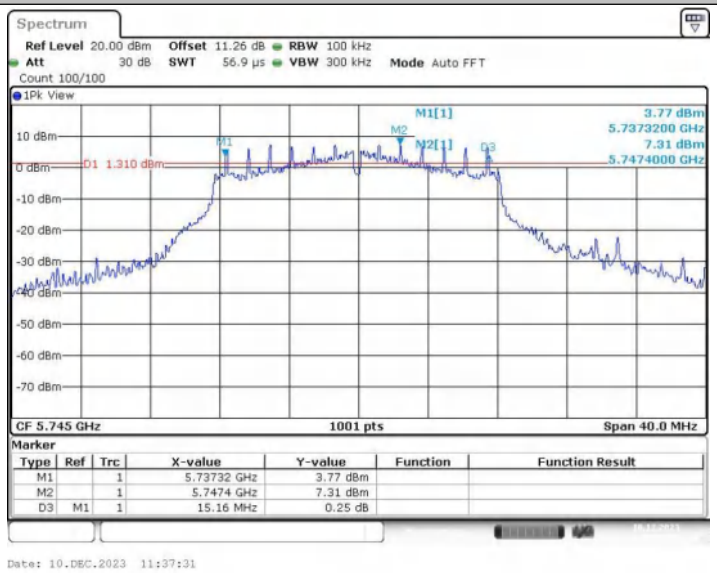
Appendix A3: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.16	5737.32	5752.48	0.5	PASS
	Ant2	5745	15.16	5737.32	5752.48	0.5	PASS
	Ant1	5785	15.16	5777.32	5792.48	0.5	PASS
	Ant2	5785	15.16	5777.32	5792.48	0.5	PASS
	Ant1	5825	15.16	5817.32	5832.48	0.5	PASS
	Ant2	5825	15.16	5817.32	5832.48	0.5	PASS
11N20MIMO	Ant1	5745	15.08	5737.40	5752.48	0.5	PASS
	Ant2	5745	15.20	5737.28	5752.48	0.5	PASS
	Ant1	5785	15.08	5777.40	5792.48	0.5	PASS
	Ant2	5785	15.20	5777.28	5792.48	0.5	PASS
	Ant1	5825	15.12	5817.36	5832.48	0.5	PASS
	Ant2	5825	13.92	5817.32	5831.24	0.5	PASS
11N40MIMO	Ant1	5755	36.40	5736.68	5773.08	0.5	PASS
	Ant2	5755	36.32	5736.76	5773.08	0.5	PASS
	Ant1	5795	36.32	5776.76	5813.08	0.5	PASS
	Ant2	5795	36.40	5776.68	5813.08	0.5	PASS
11AC80MIMO	Ant1	5775	76.32	5736.76	5813.08	0.5	PASS
	Ant2	5775	76.32	5736.76	5813.08	0.5	PASS
11AX20MIMO	Ant1	5745	19.04	5735.52	5754.56	0.5	PASS
	Ant2	5745	19.16	5735.48	5754.64	0.5	PASS
	Ant1	5785	19.00	5775.56	5794.56	0.5	PASS
	Ant2	5785	19.04	5775.56	5794.60	0.5	PASS
	Ant1	5825	19.00	5815.56	5834.56	0.5	PASS
	Ant2	5825	19.04	5815.56	5834.60	0.5	PASS
11AX40MIMO	Ant1	5755	38.08	5736.04	5774.12	0.5	PASS
	Ant2	5755	38.08	5736.12	5774.20	0.5	PASS
	Ant1	5795	36.56	5776.76	5813.32	0.5	PASS
	Ant2	5795	36.48	5776.84	5813.32	0.5	PASS
11AX80MIMO	Ant1	5775	76.16	5737.08	5813.24	0.5	PASS
	Ant2	5775	76.64	5736.92	5813.56	0.5	PASS

Test Graphs B4

11A_Ant1_5745



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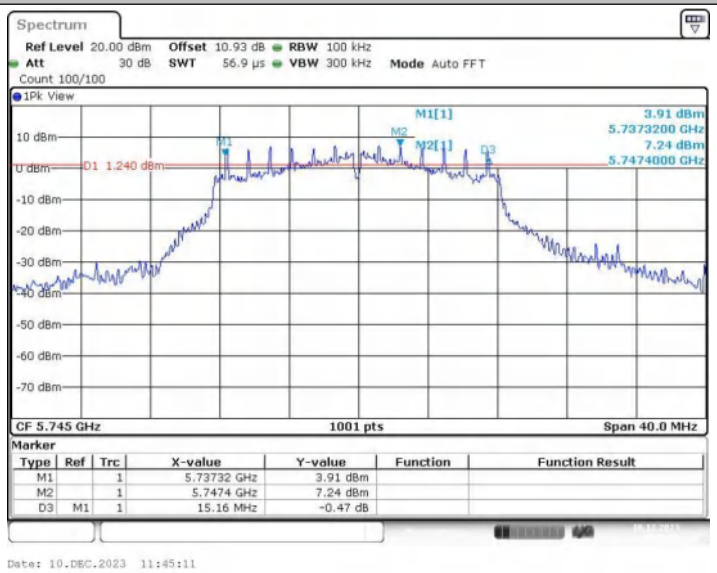

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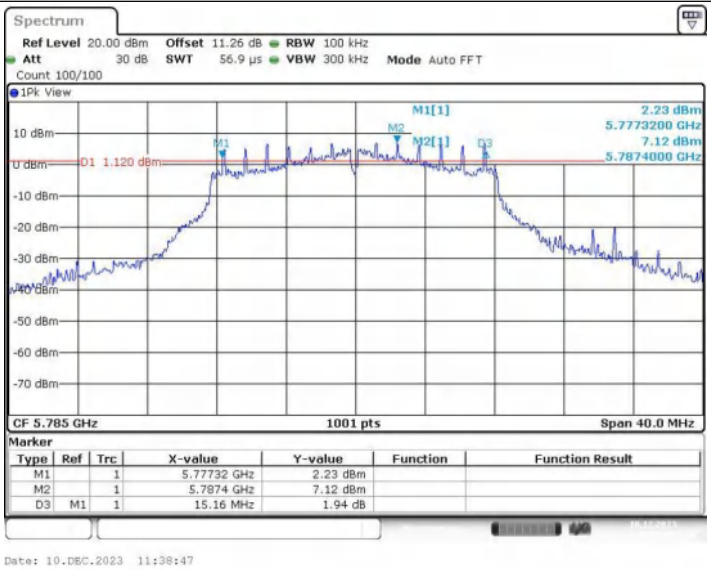

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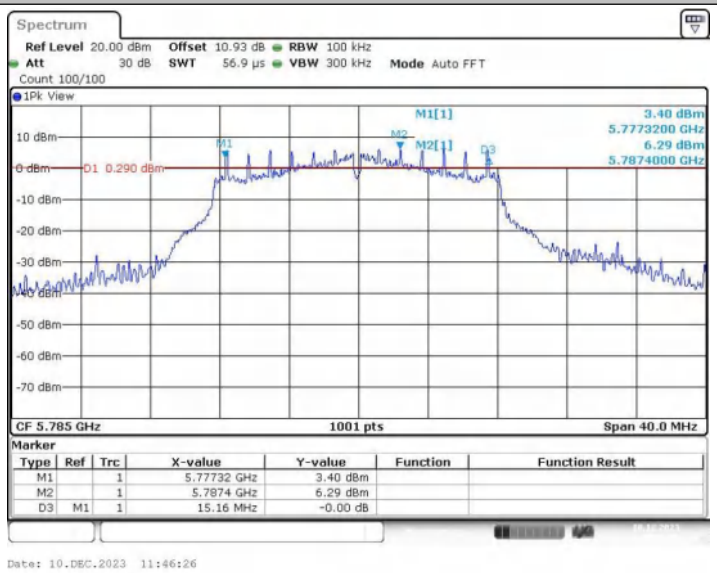

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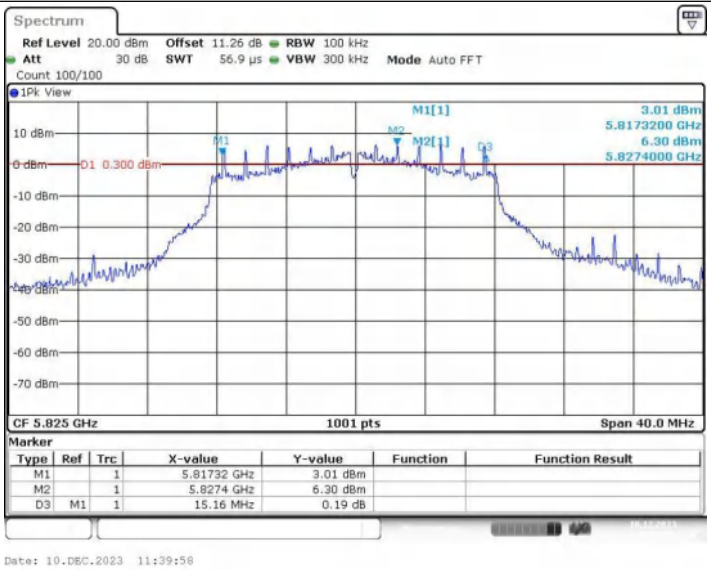

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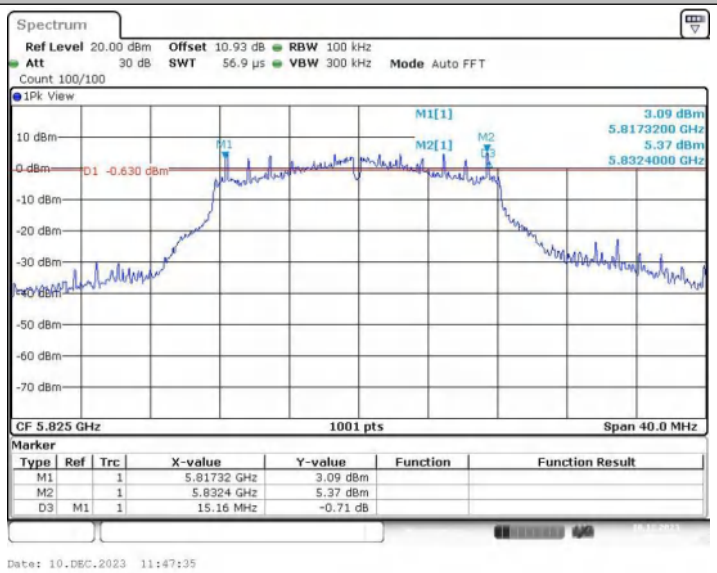

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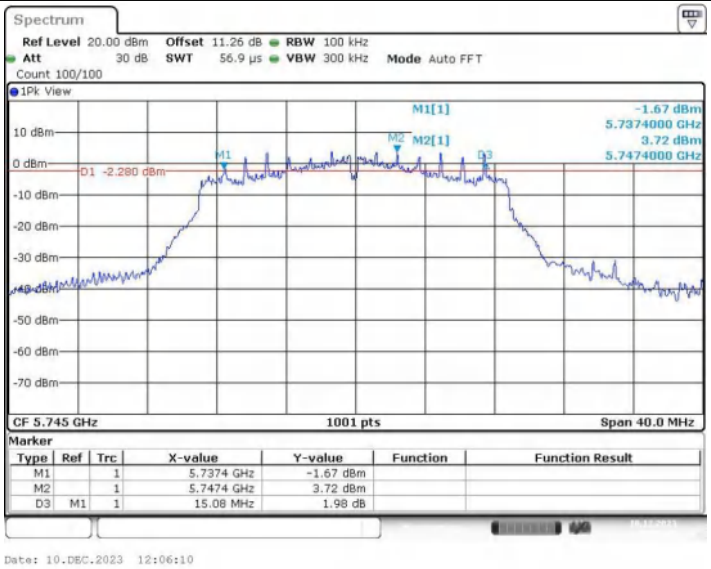

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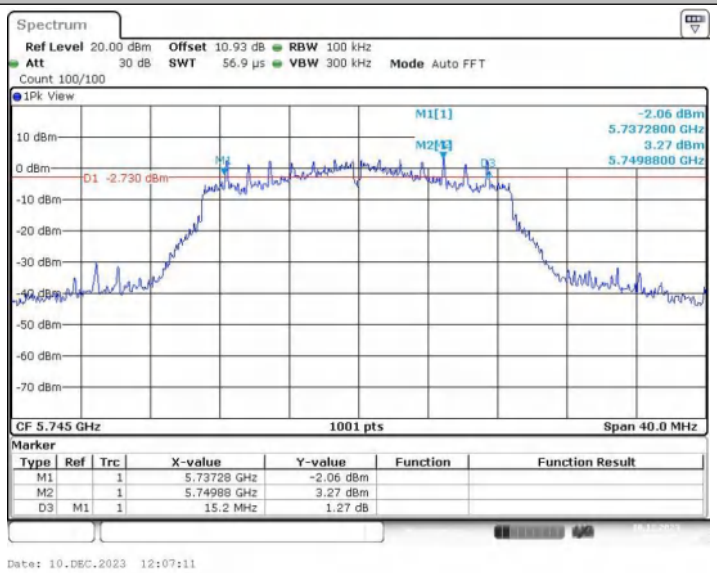

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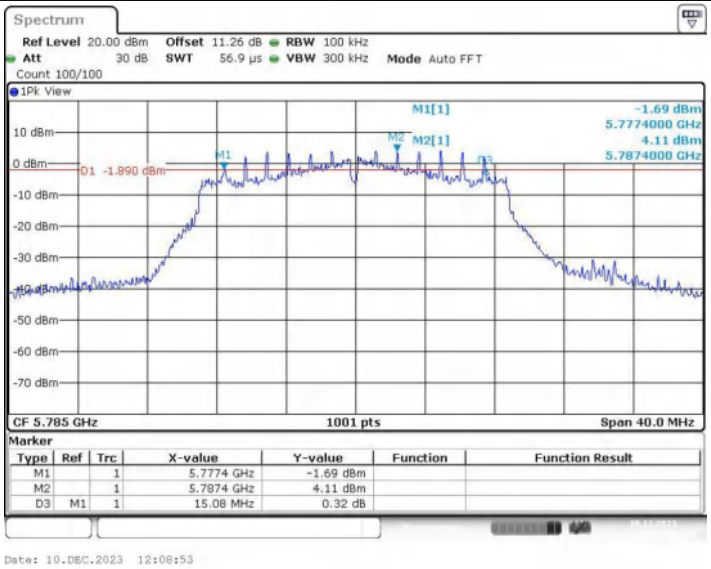

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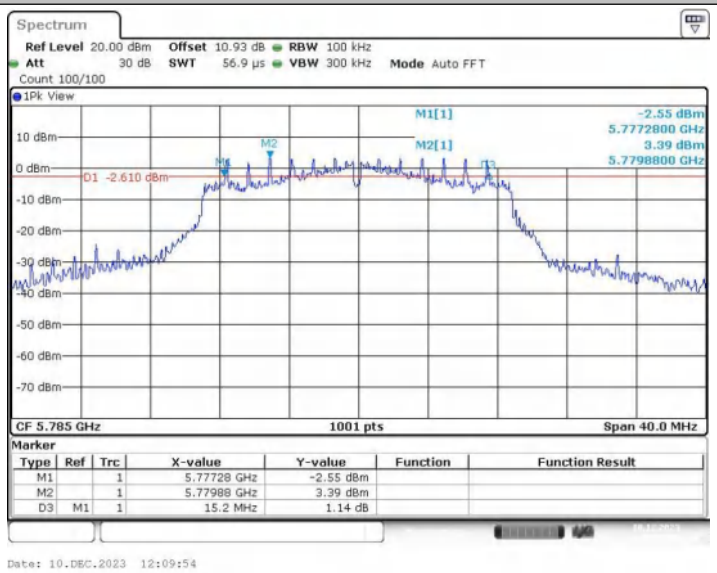

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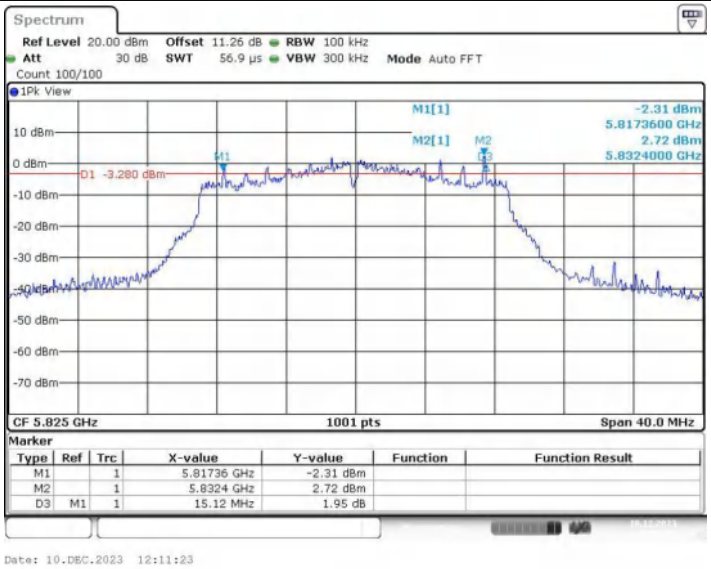

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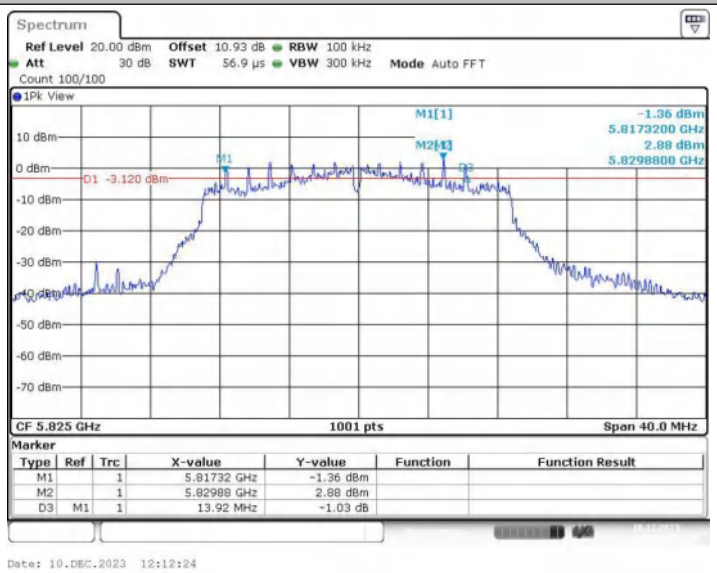

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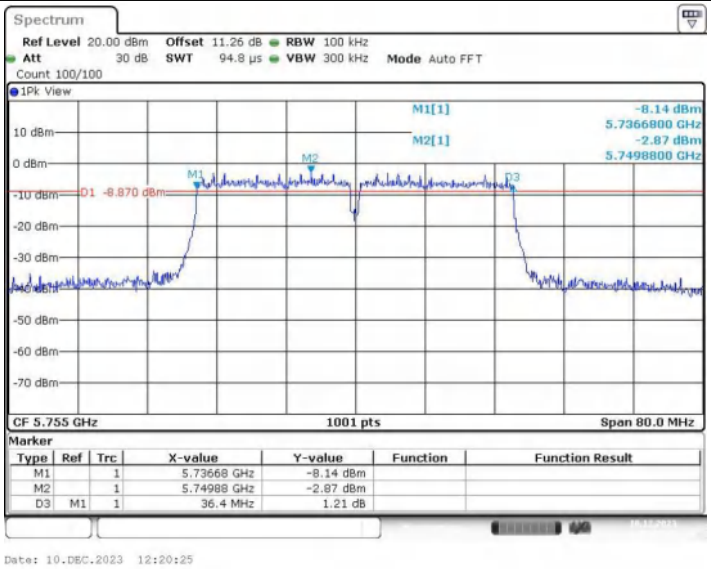
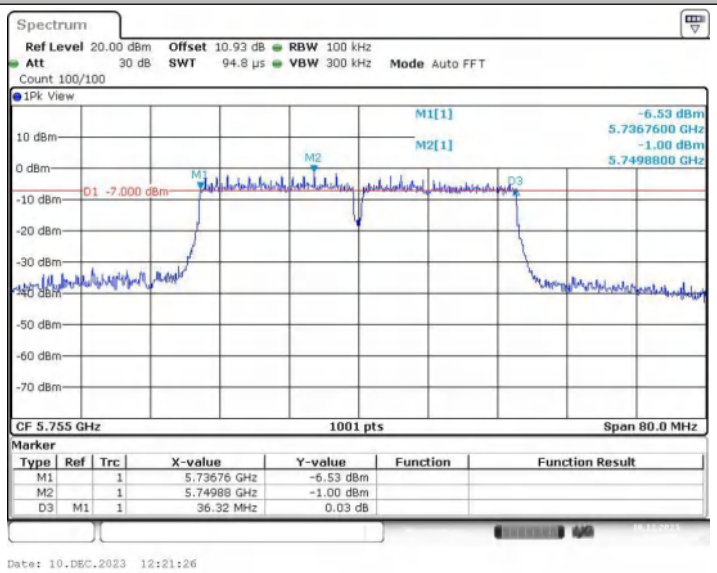
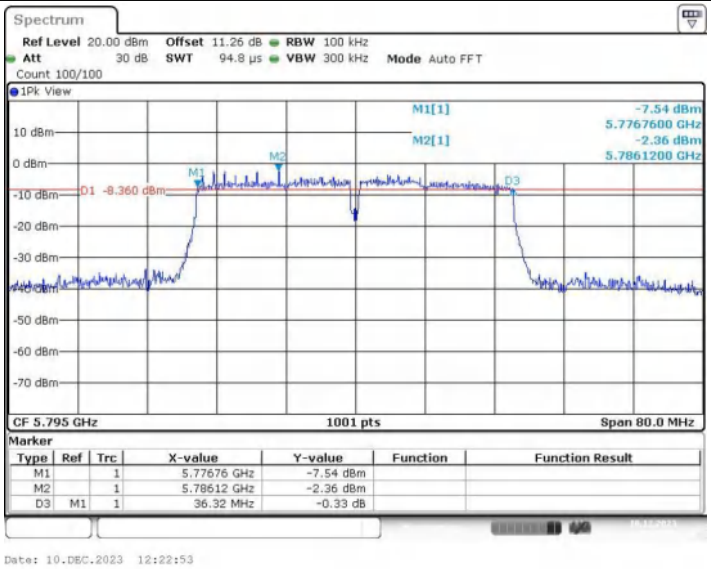


11N40MIMO_Ant2_5755



11N40MIMO_Ant1_5795



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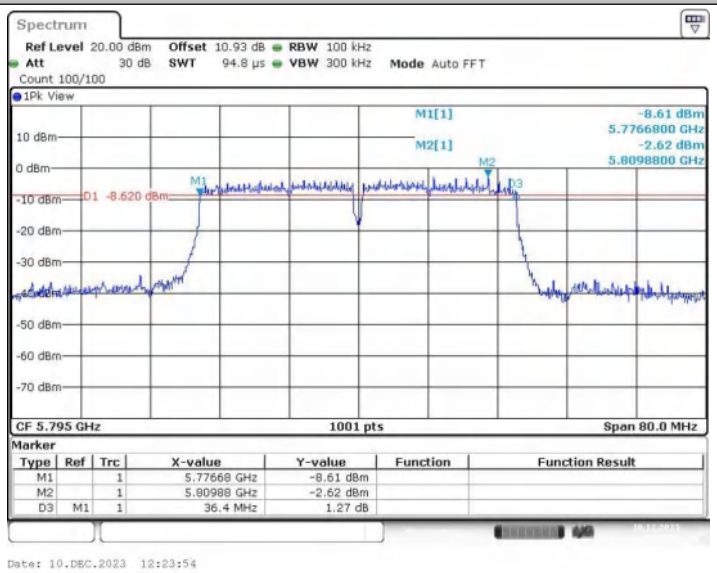

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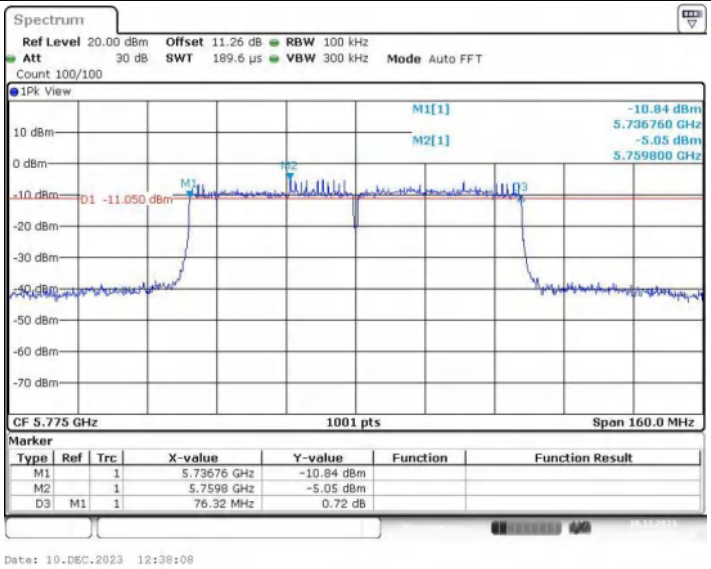

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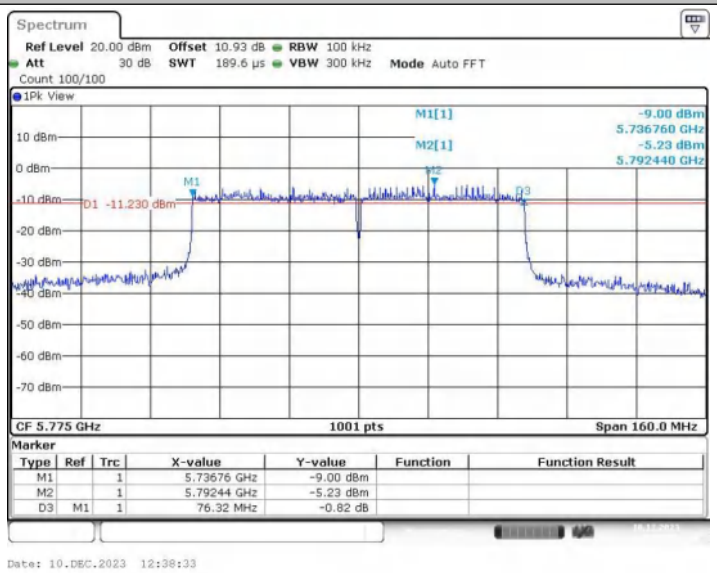

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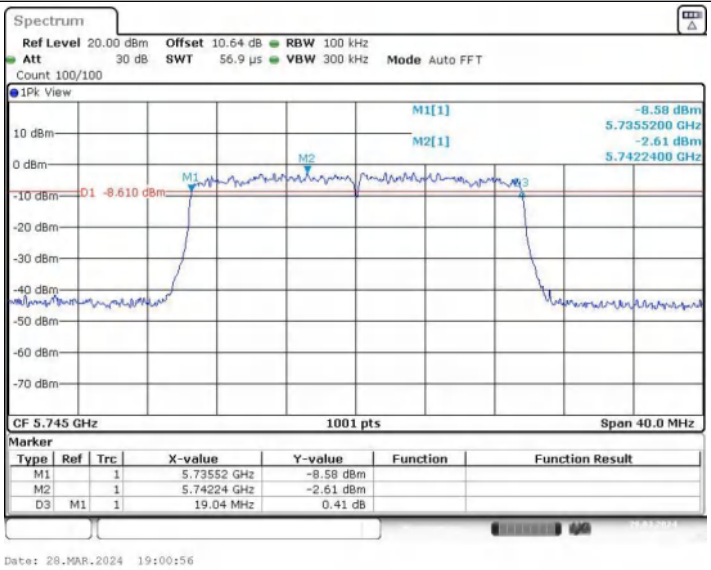

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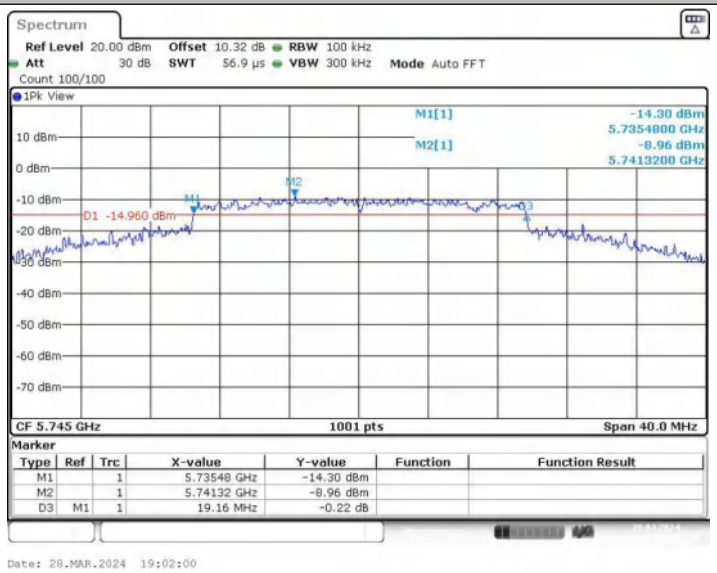

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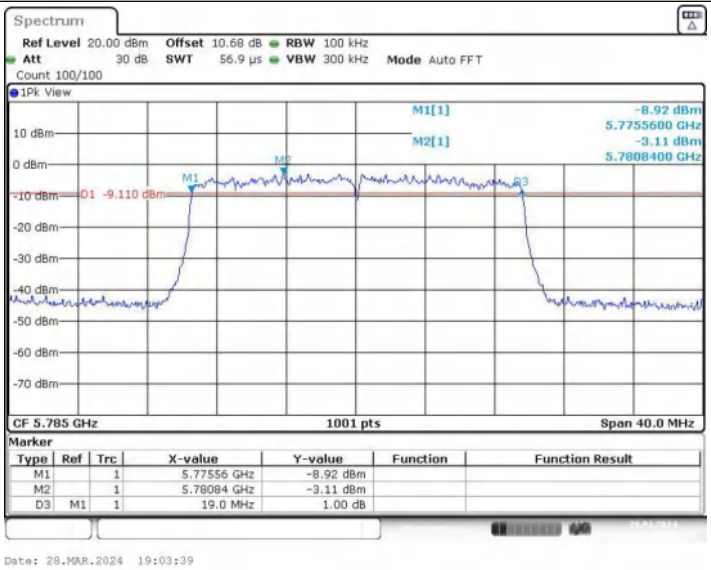

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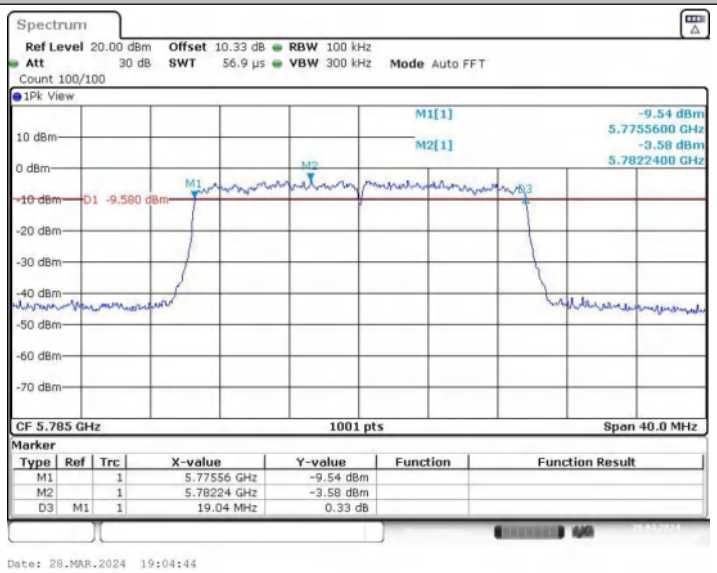
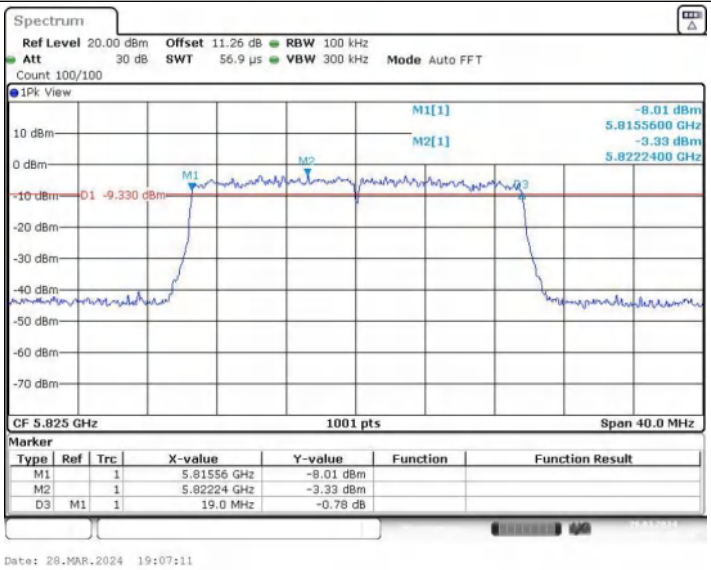


11AX20MIMO_Ant1_5825



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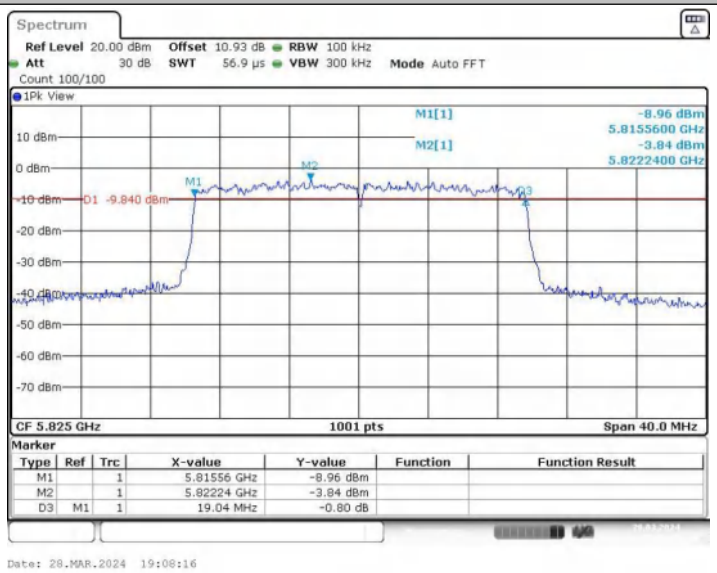

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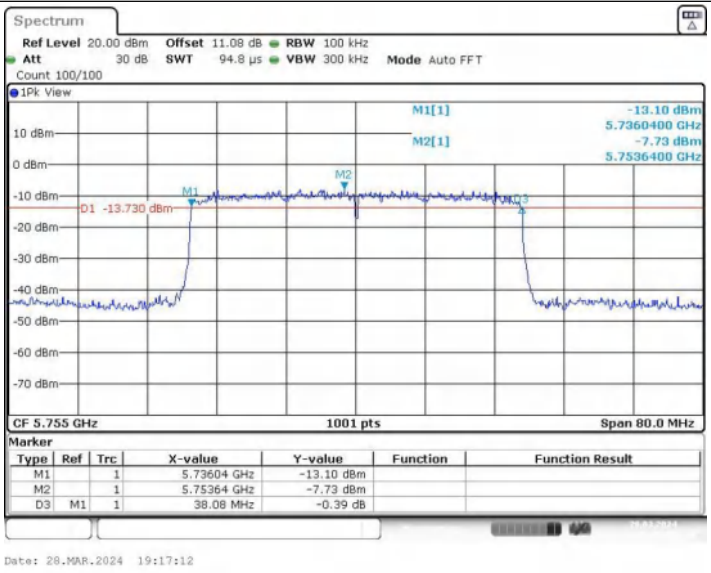

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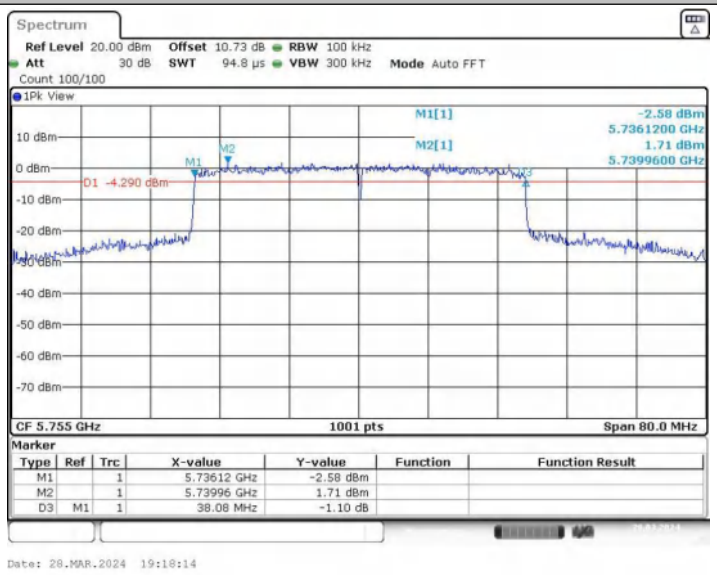

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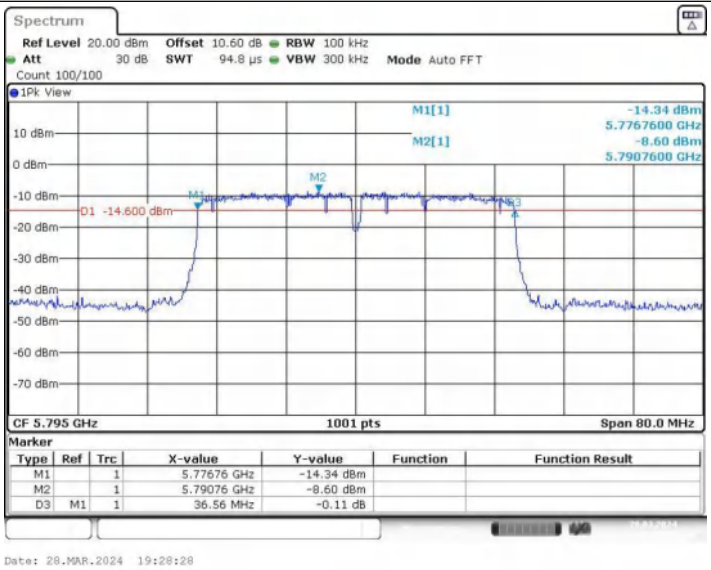

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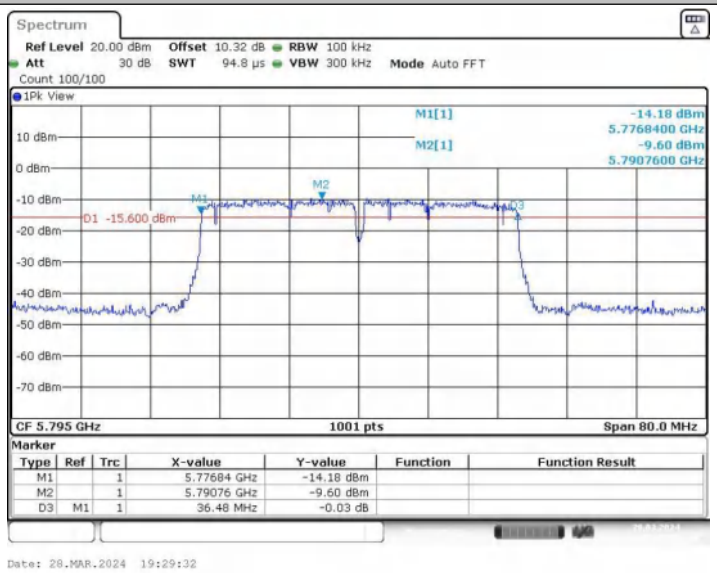

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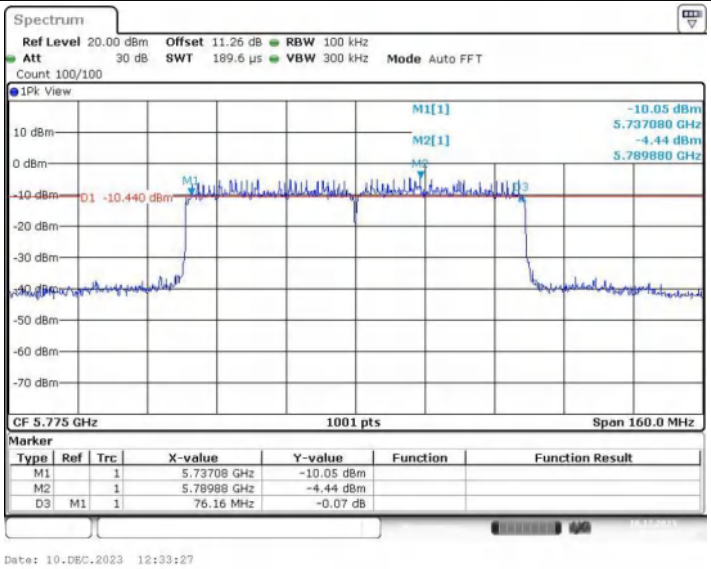

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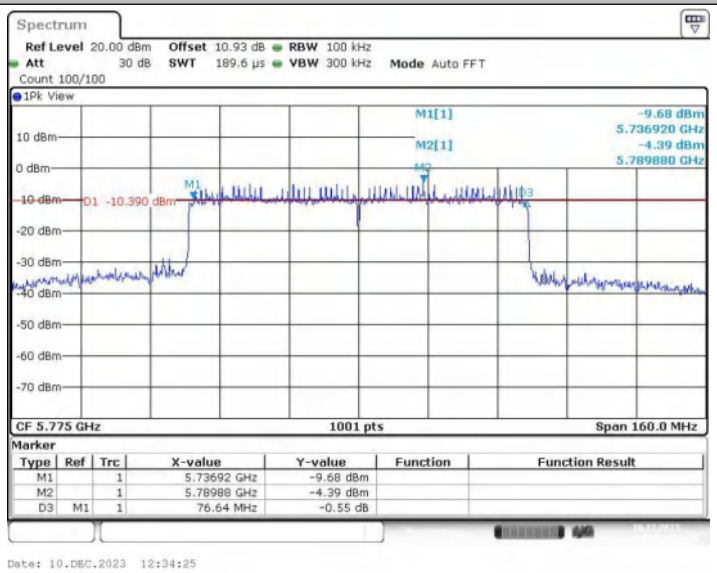


Appendix B: Duty Cycle

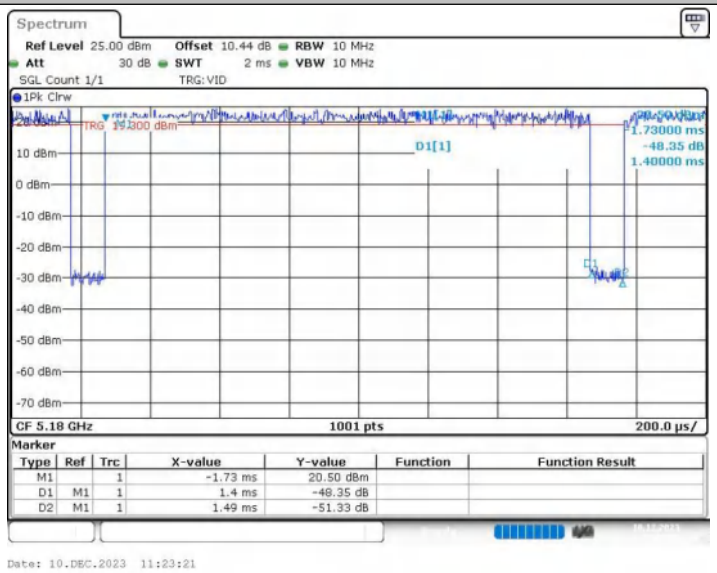
Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant1	5180	1.40	1.49	93.96	---	---
	Ant2	5180	1.39	1.49	93.29	---	---
	Ant1	5220	1.40	1.50	93.33	---	---
	Ant2	5220	1.40	1.50	93.33	---	---
	Ant1	5240	1.39	1.49	93.29	---	---
	Ant2	5240	1.39	1.49	93.29	---	---
	Ant1	5745	1.40	1.49	93.96	---	---
	Ant2	5745	1.40	1.50	93.33	---	---
	Ant1	5785	1.39	1.49	93.29	---	---
	Ant2	5785	1.39	1.49	93.29	---	---
	Ant1	5825	1.39	1.49	93.29	---	---
	Ant2	5825	1.40	1.49	93.96	---	---
11N20MIMO	Ant1	5180	1.92	1.94	98.97	---	---
	Ant2	5180	1.92	1.94	98.97	---	---
	Ant1	5220	1.92	1.94	98.97	---	---
	Ant2	5220	1.92	1.94	98.97	---	---
	Ant1	5240	1.93	1.94	99.48	---	---
	Ant2	5240	1.92	3.85	49.87	---	---
	Ant1	5745	1.92	3.85	49.87	---	---
	Ant2	5745	1.92	3.85	49.87	---	---
	Ant1	5785	1.92	1.94	98.97	---	---
	Ant2	5785	1.92	3.85	49.87	---	---
	Ant1	5825	1.92	3.86	49.74	---	---
	Ant2	5825	1.92	1.94	98.97	---	---
11N40MIMO	Ant1	5190	1.54	3.09	49.84	---	---
	Ant2	5190	1.54	2.03	75.86	---	---
	Ant1	5230	1.53	3.09	49.51	---	---
	Ant2	5230	1.53	1.55	98.71	---	---
	Ant1	5755	1.53	1.55	98.71	---	---
	Ant2	5755	1.53	1.55	98.71	---	---
	Ant1	5795	1.54	1.56	98.72	---	---
	Ant2	5795	1.53	1.55	98.71	---	---
11AC80MIMO	Ant1	5210	0.32	0.42	76.19	---	---
	Ant2	5210	0.32	0.42	76.19	---	---

	Ant1	5775	0.32	0.42	76.19	---	---
	Ant2	5775	0.33	0.44	75.00	---	---
11AX20MIMO	Ant1	5180	27.00	27.00	100.00	---	---
	Ant2	5180	27.00	27.00	100.00	---	---
	Ant1	5220	27.00	27.00	100.00	---	---
	Ant2	5220	27.00	27.00	100.00	---	---
	Ant1	5240	27.00	27.00	100.00	---	---
	Ant2	5240	27.00	27.00	100.00	---	---
	Ant1	5745	27.00	27.00	100.00	---	---
	Ant2	5745	27.00	27.00	100.00	---	---
	Ant1	5785	27.00	27.00	100.00	---	---
	Ant2	5785	27.00	27.00	100.00	---	---
	Ant1	5825	27.00	27.00	100.00	---	---
	Ant2	5825	27.00	27.00	100.00	---	---
11AX40MIMO	Ant1	5190	27.00	27.00	100.00	---	---
	Ant2	5190	27.00	27.00	100.00	---	---
	Ant1	5230	27.00	27.00	100.00	---	---
	Ant2	5230	27.00	27.00	100.00	---	---
	Ant1	5755	27.00	27.00	100.00	---	---
	Ant2	5755	27.00	27.00	100.00	---	---
	Ant1	5795	27.00	27.00	100.00	---	---
	Ant2	5795	27.00	27.00	100.00	---	---
11AX80MIMO	Ant1	5210	0.29	0.39	74.36	---	---
	Ant2	5210	0.29	0.39	74.36	---	---
	Ant1	5775	0.29	0.39	74.36	---	---
	Ant2	5775	0.30	0.39	76.92	---	---

Test Graphs

11A_Ant1_5180



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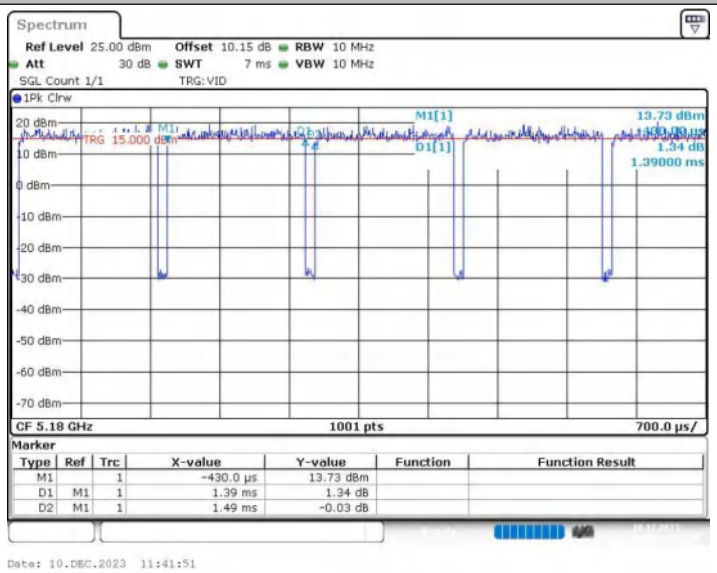

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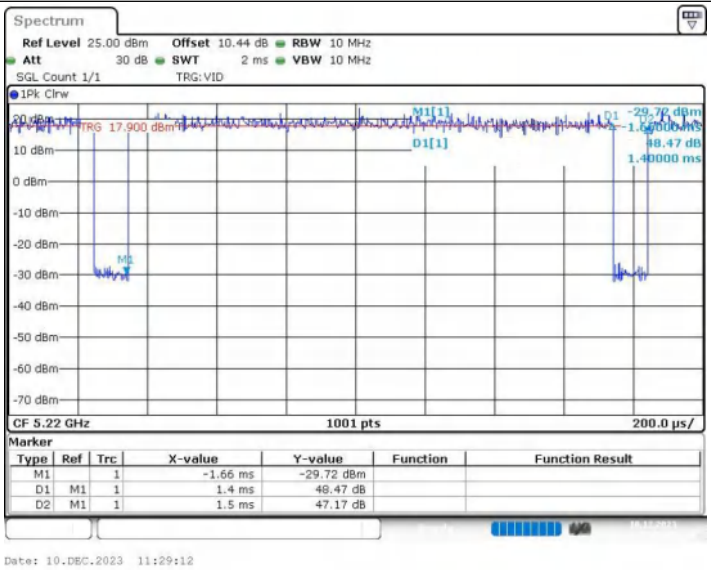

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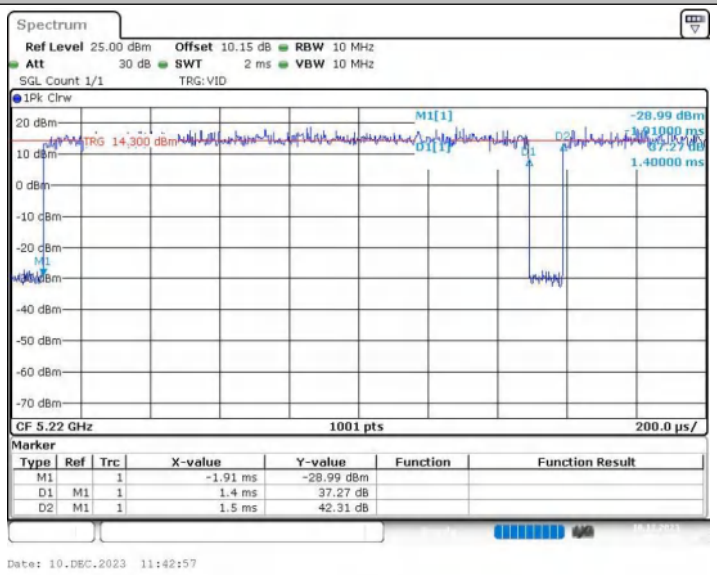

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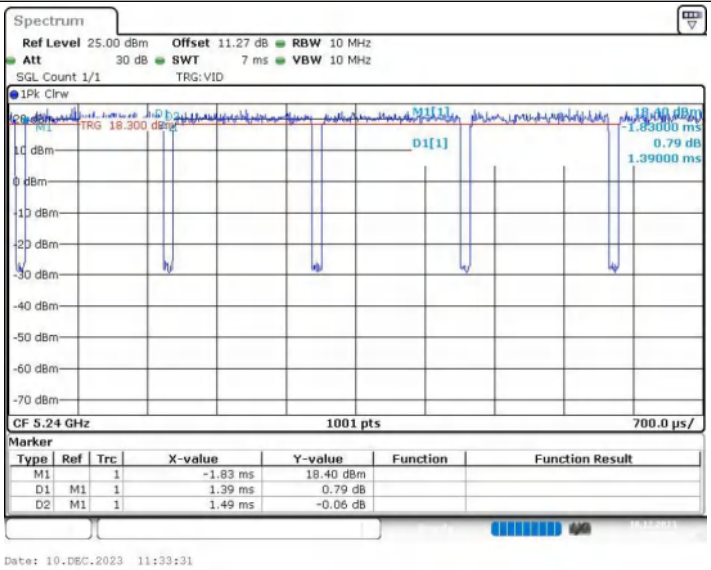

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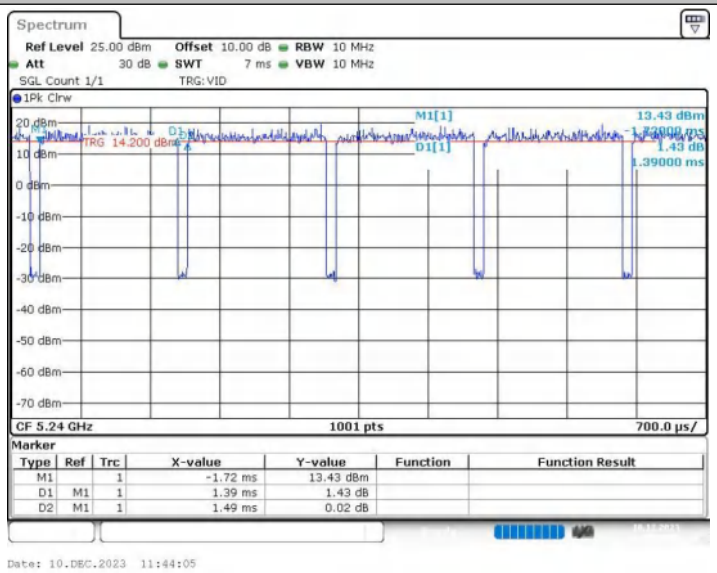

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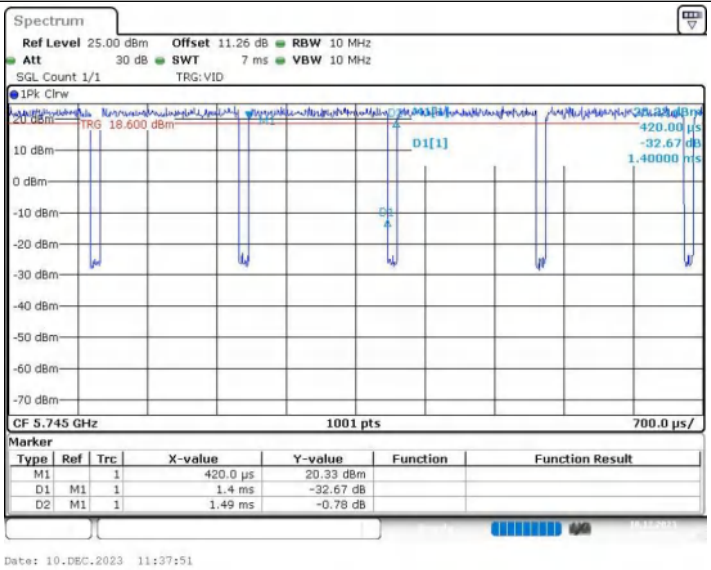

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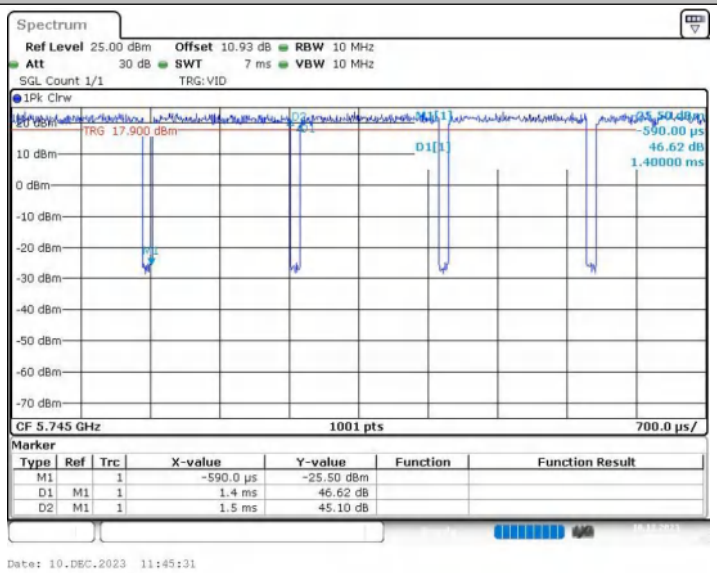

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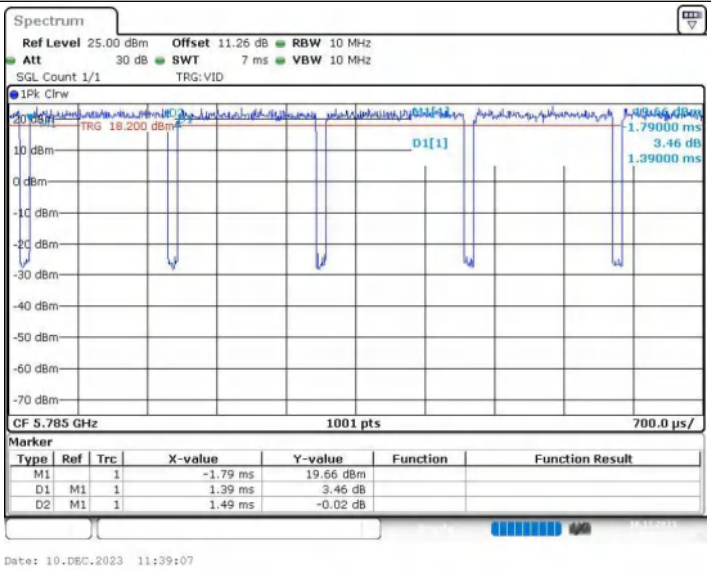

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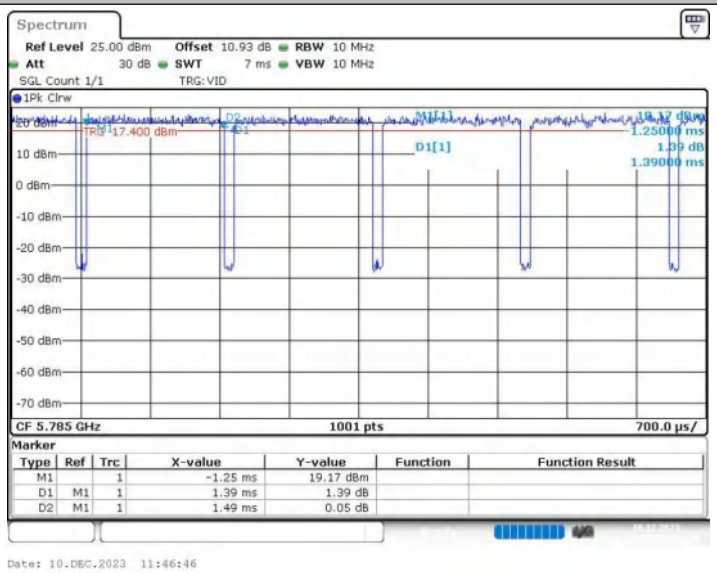

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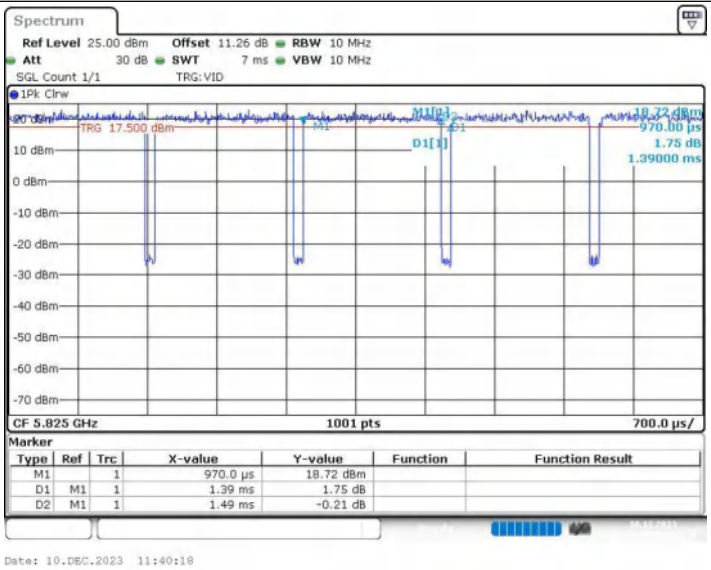

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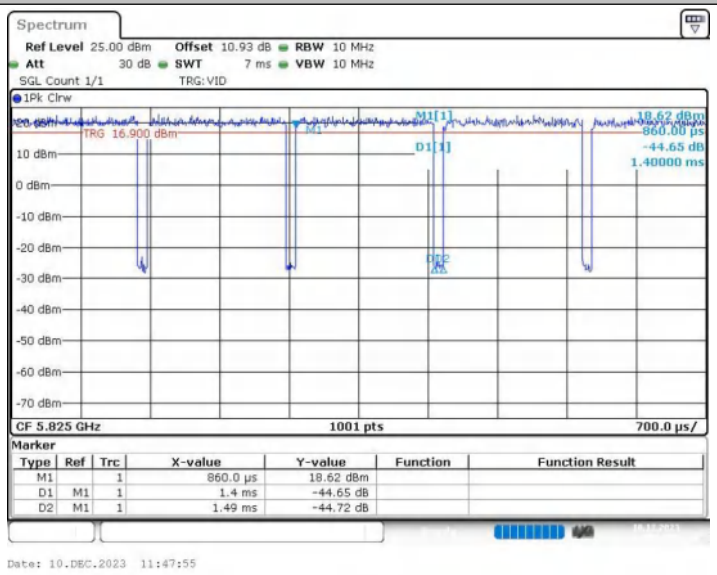

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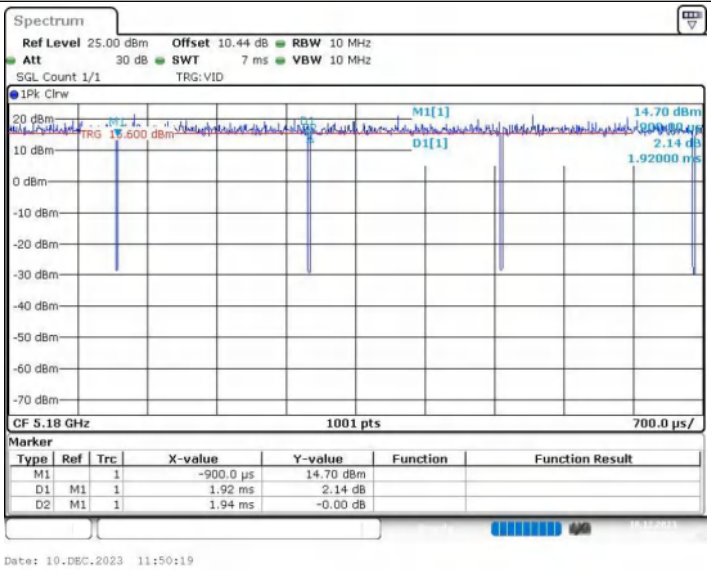

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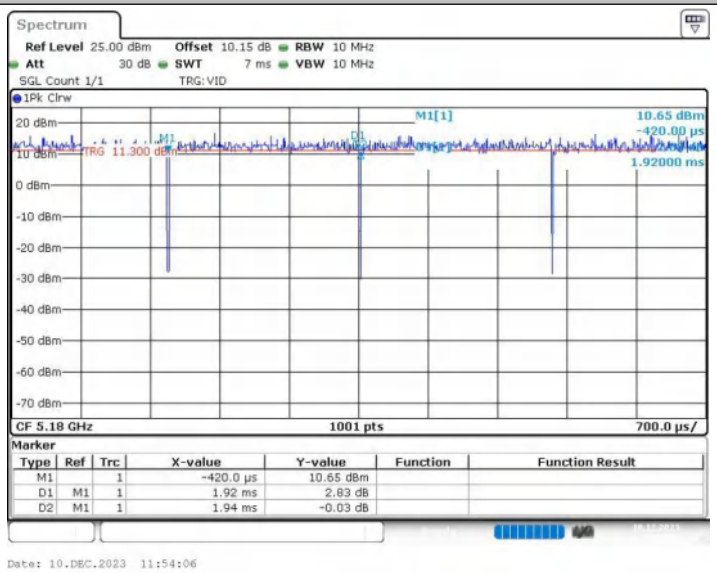

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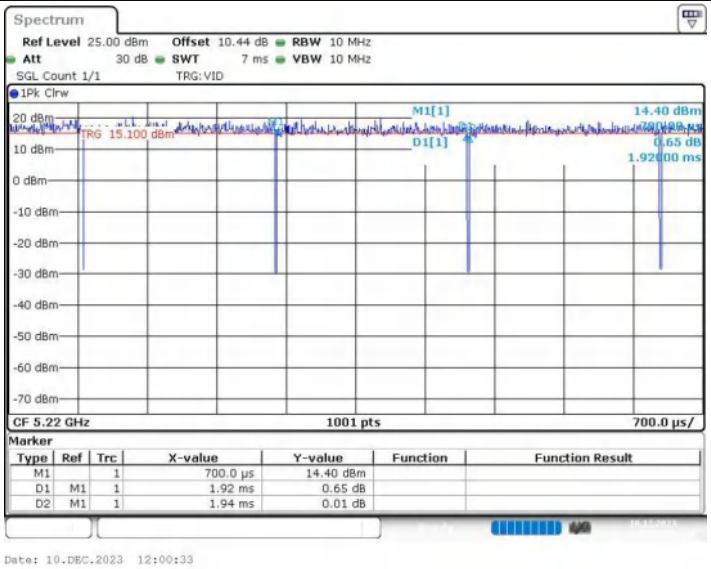

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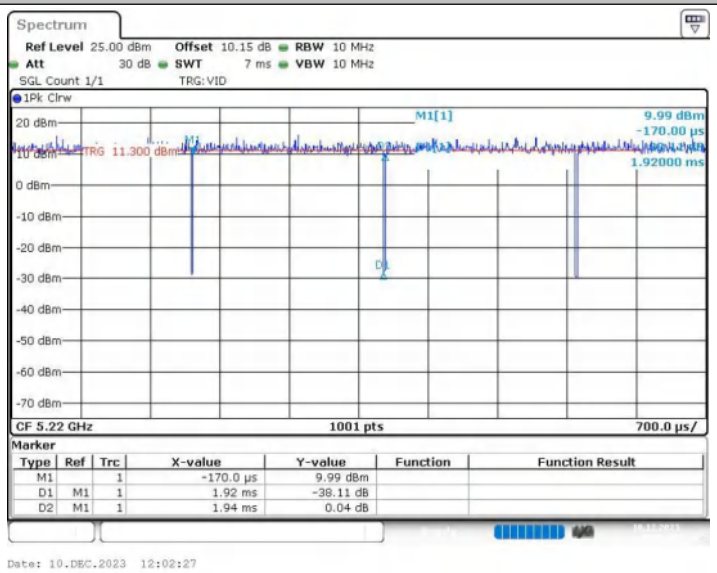

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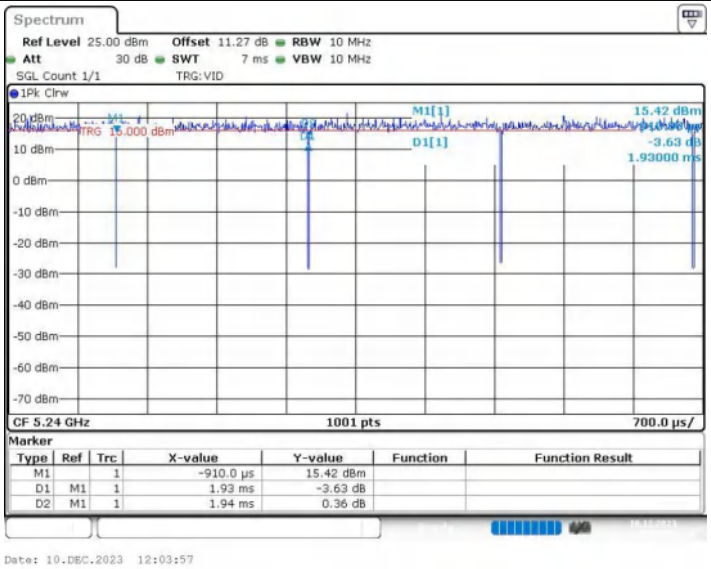

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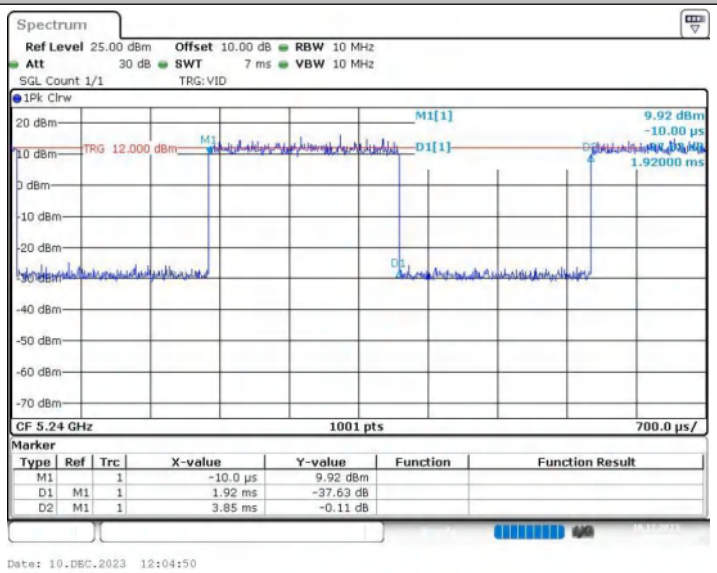

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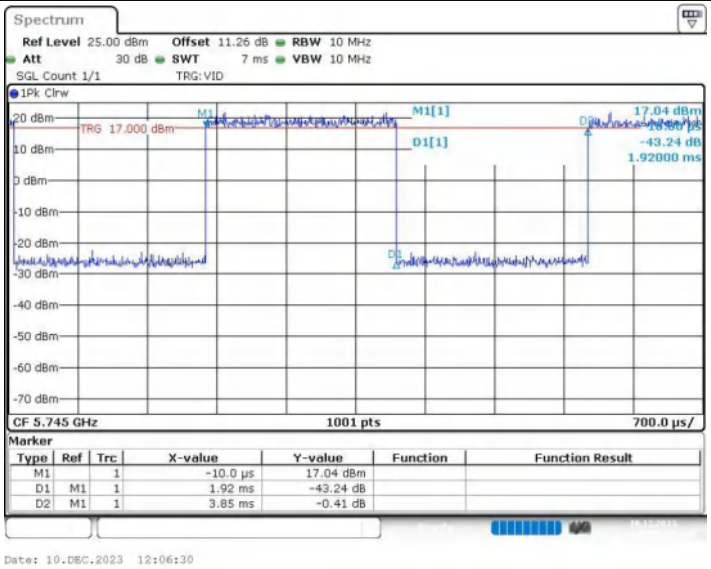

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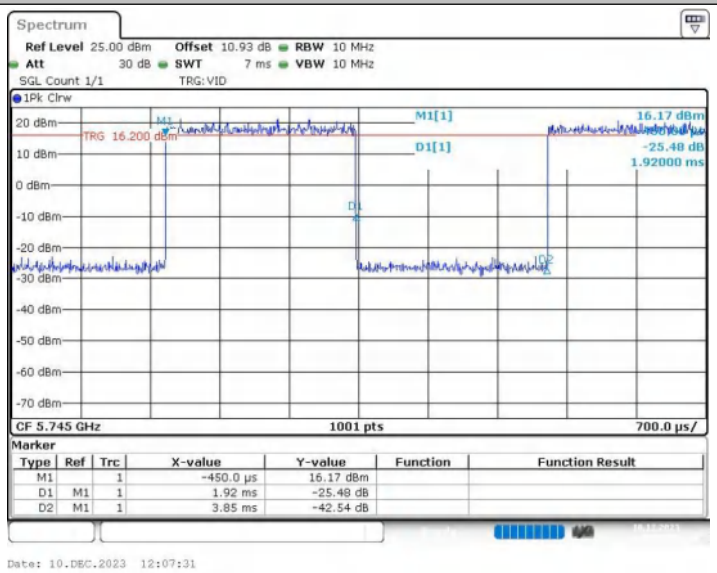

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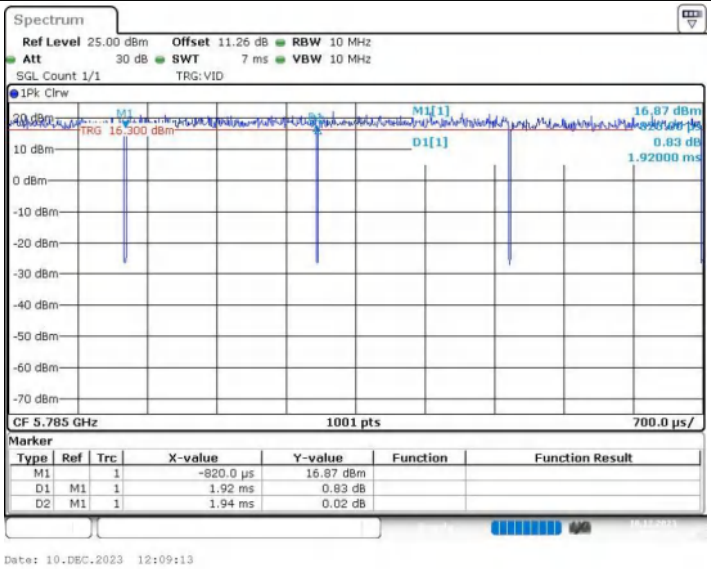

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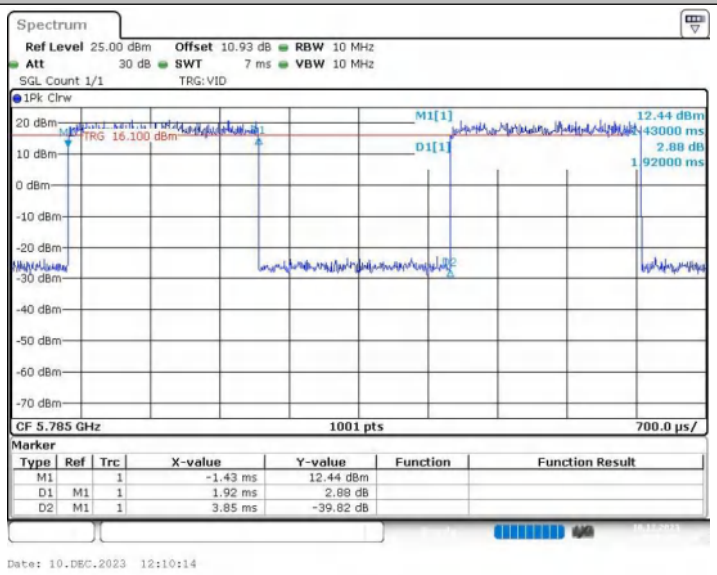

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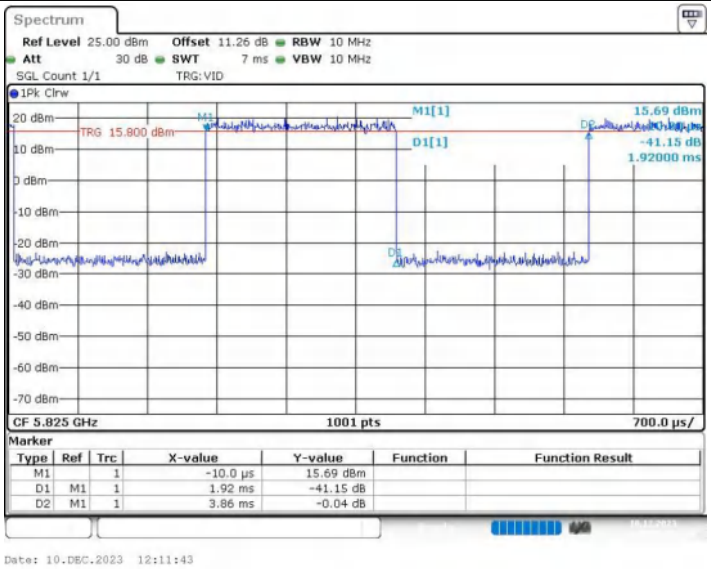

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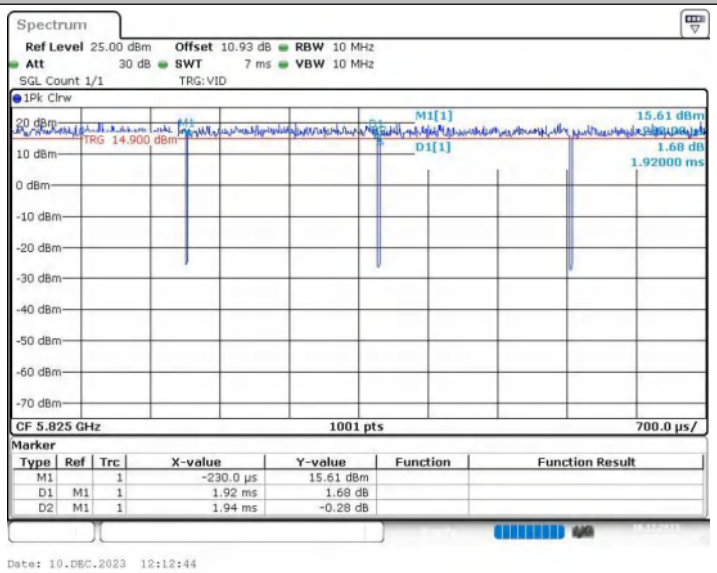

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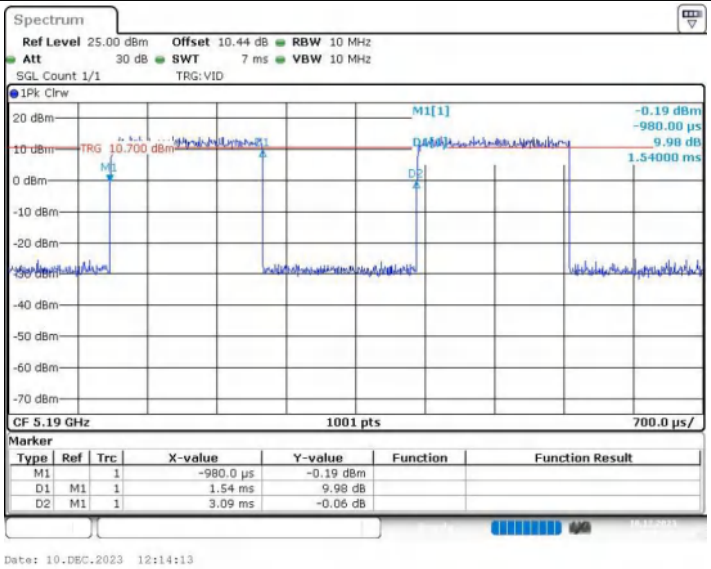
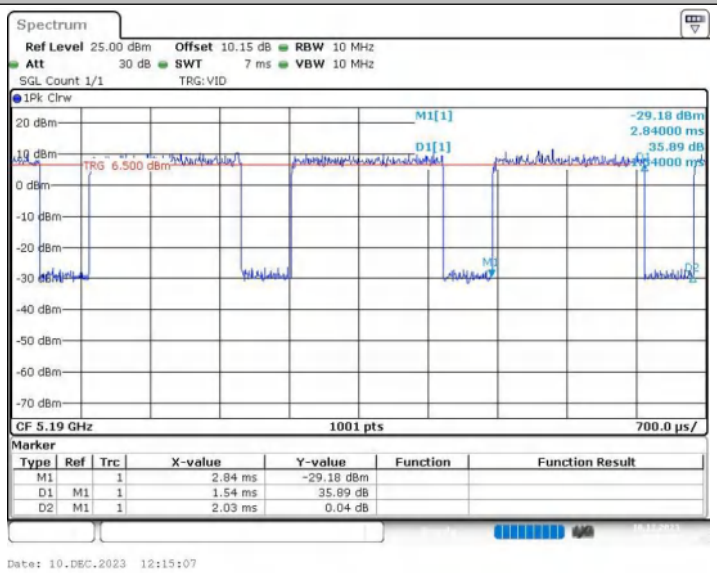


11N40MIMO_Ant2_5190



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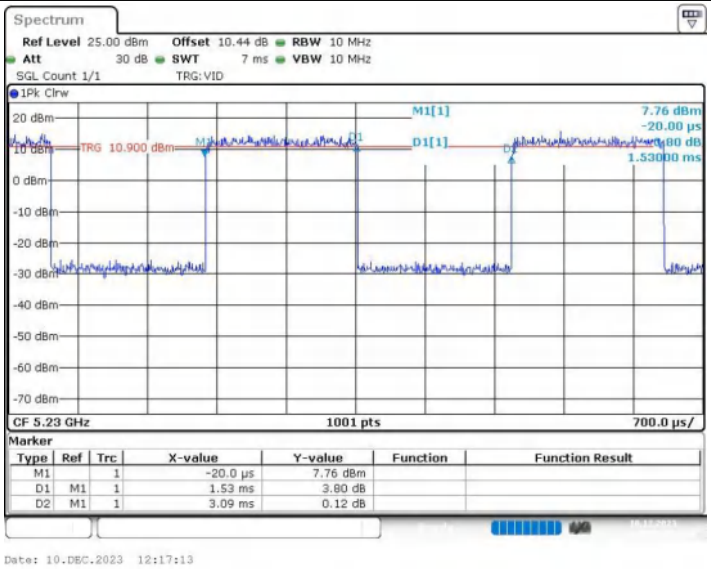

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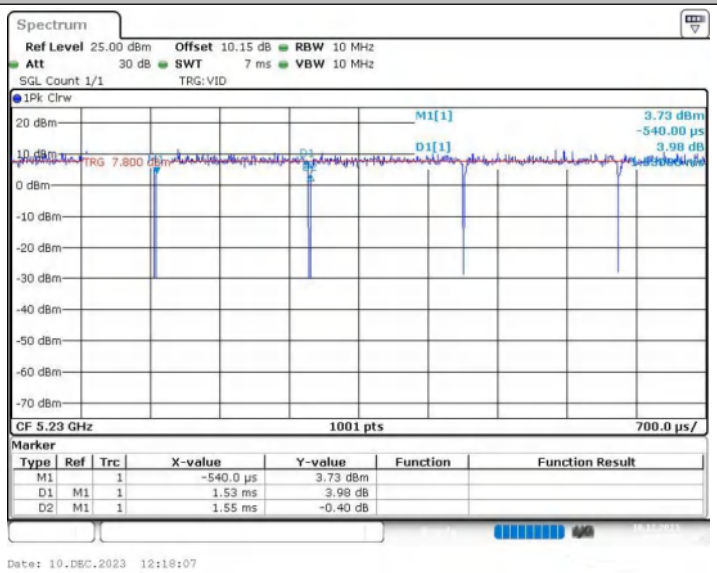

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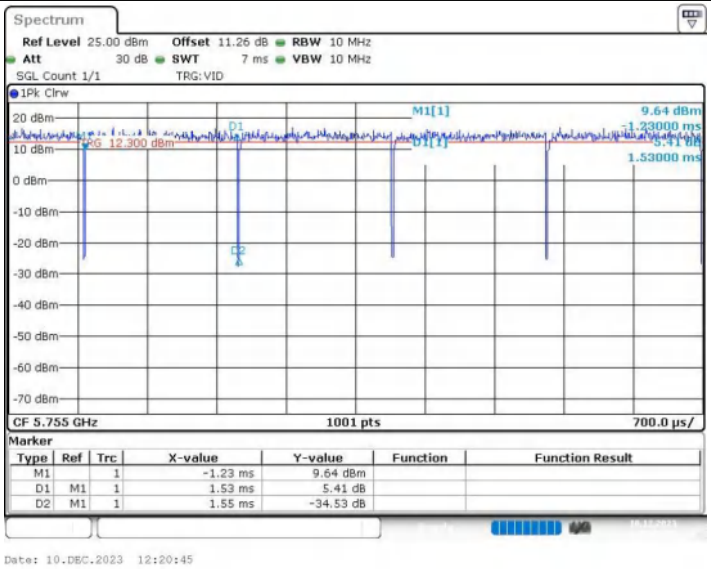

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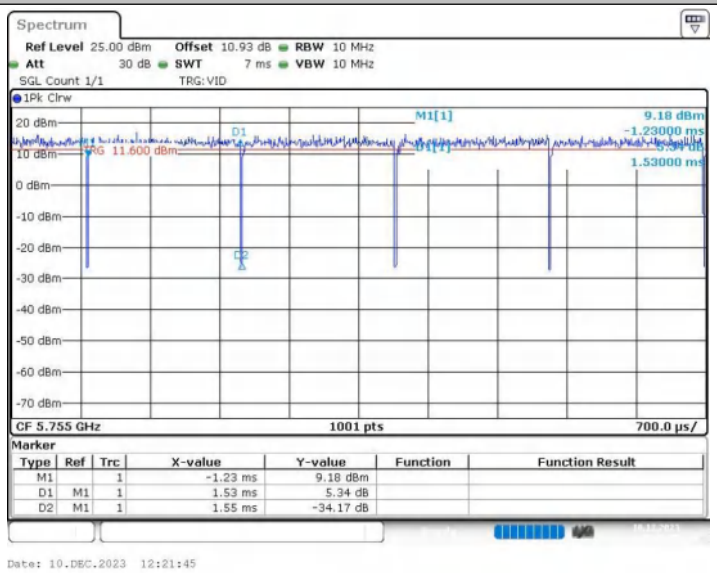

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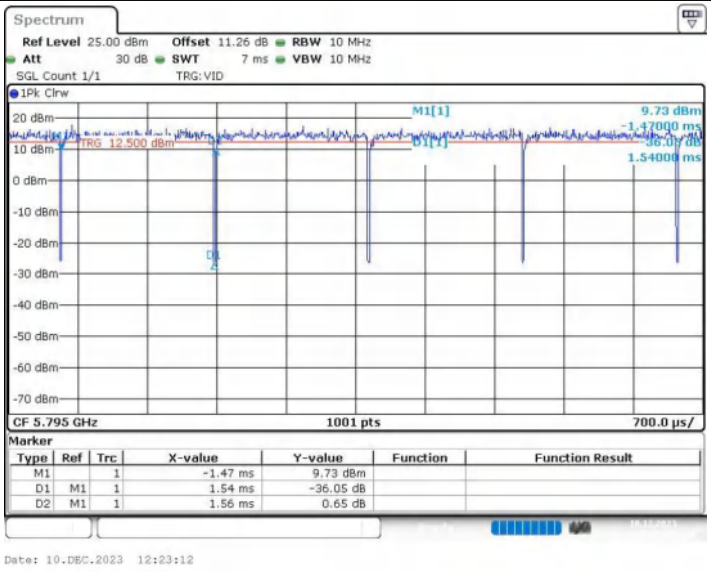

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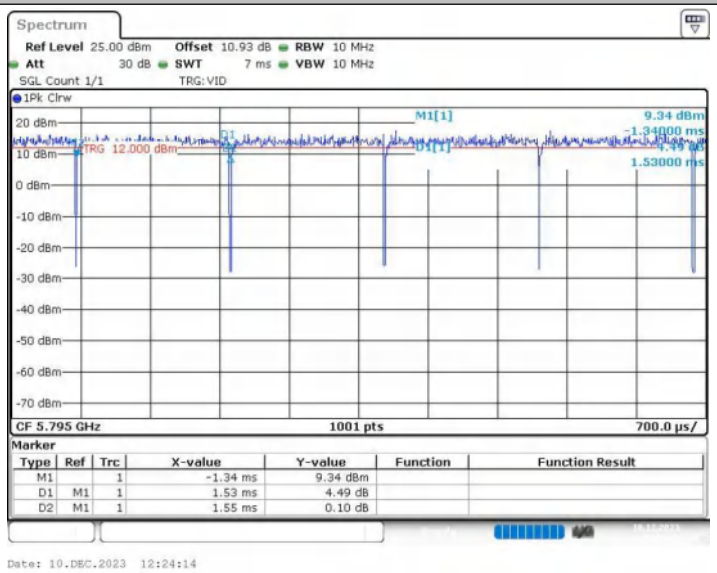
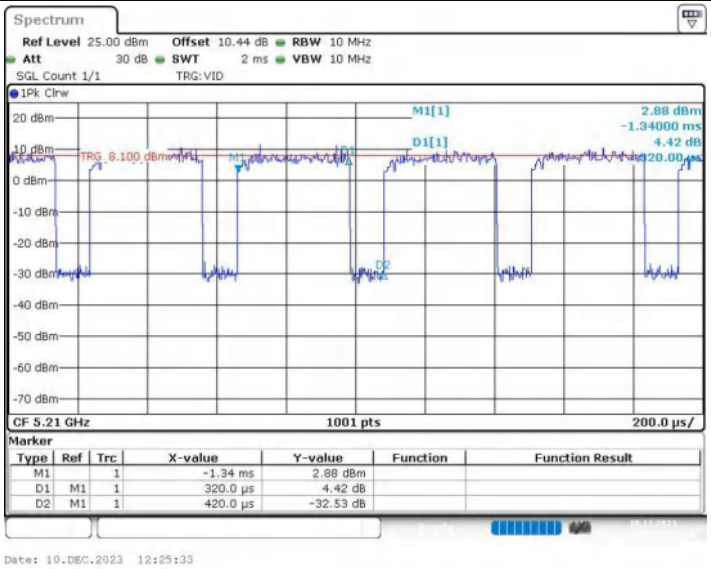


11AC80MIMO_Ant1_5210



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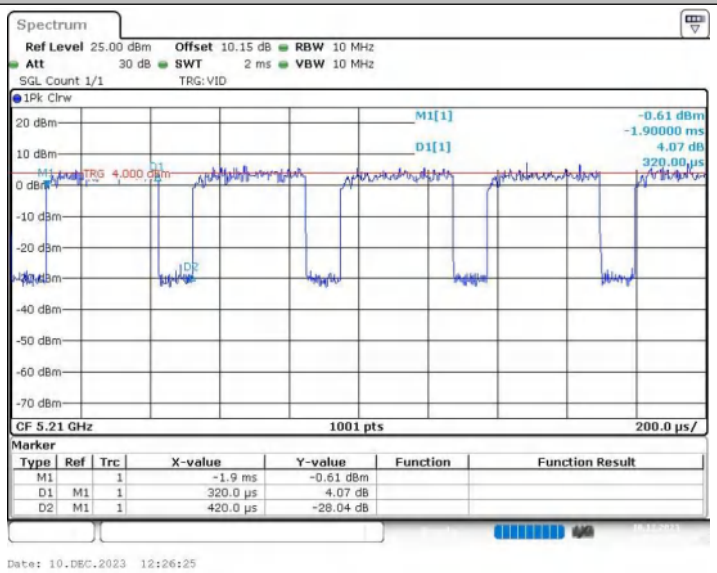

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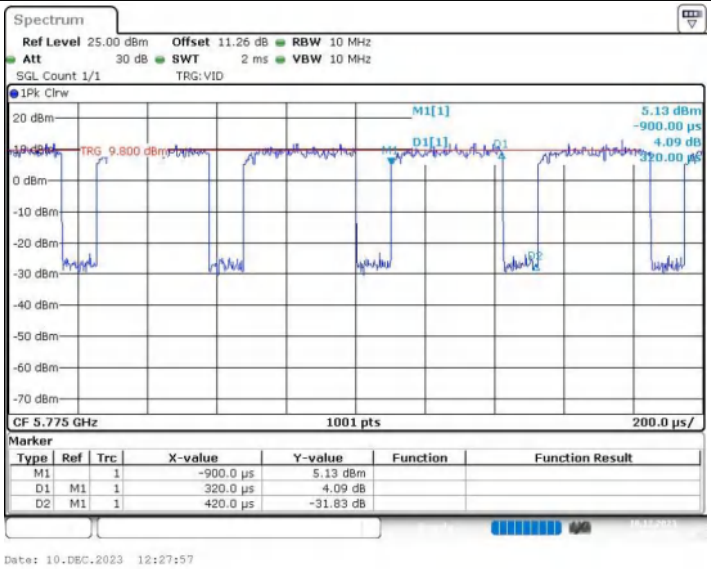

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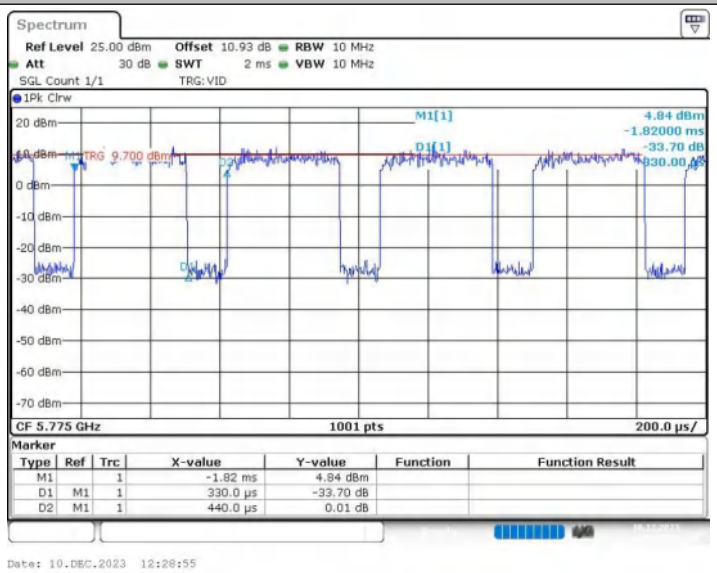

11AX20MIMO_Ant1_5180