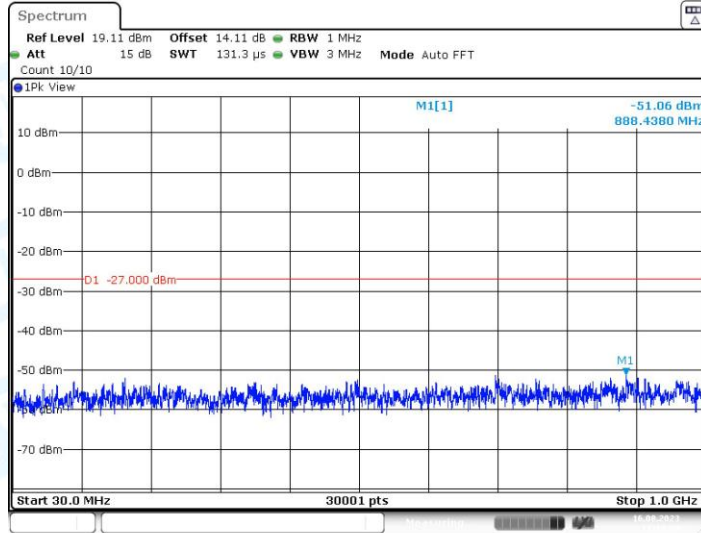


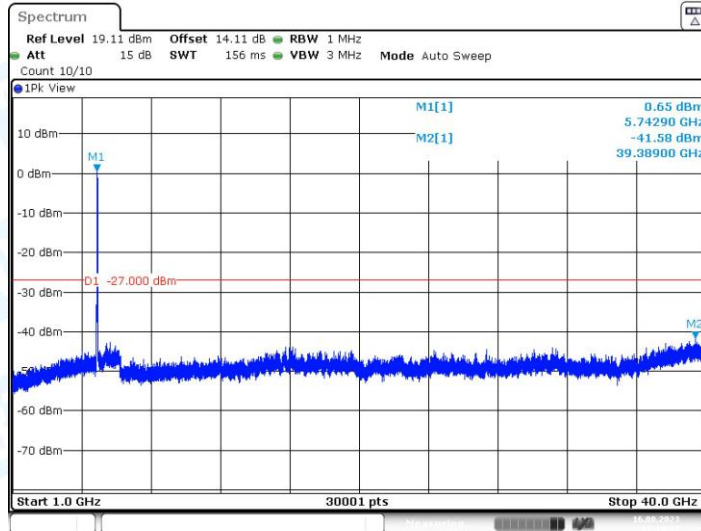
Date: 16.AUG.2023 11:11:32

11AC40MIMO_Ant2_5755_30~1000



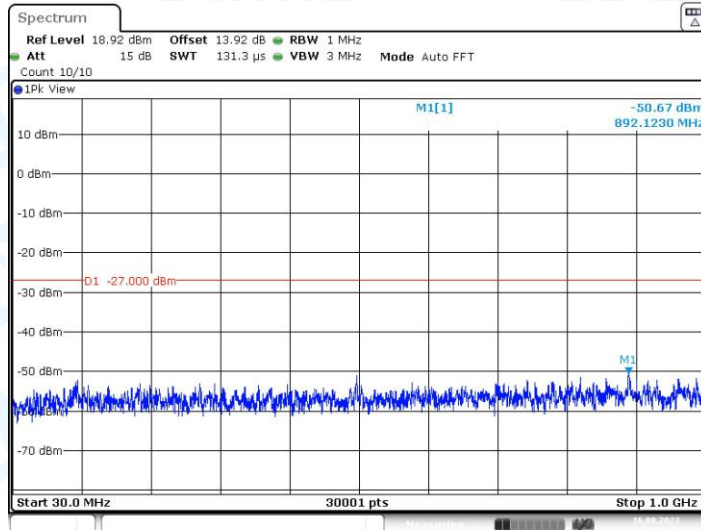
Date: 16.AUG.2023 11:14:24

11AC40MIMO_Ant2_5755_1000~40000



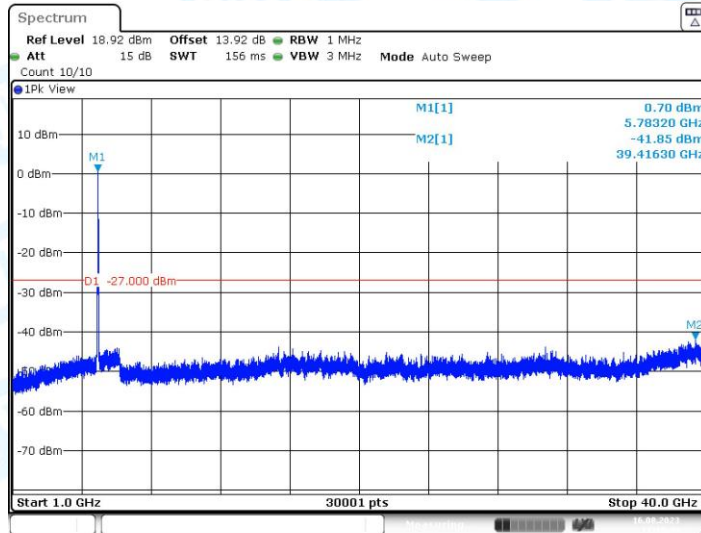
Date: 16.AUG.2023 11:14:37

11AC40MIMO_Ant1_5795_30~1000



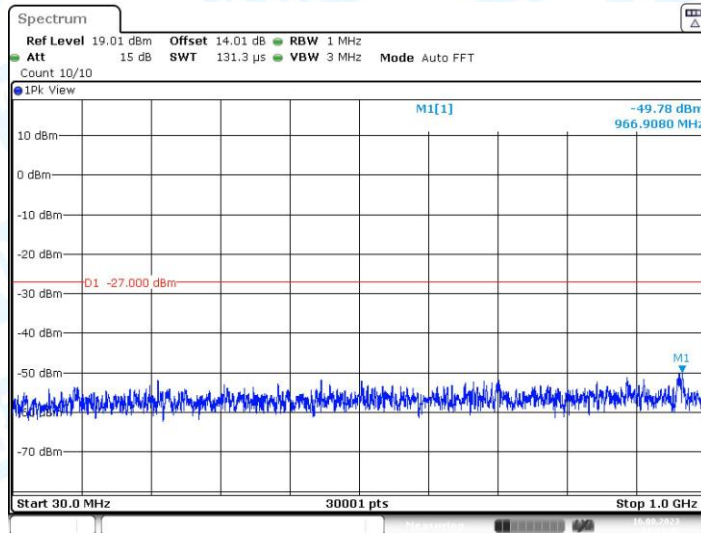
Date: 16.AUG.2023 11:18:36

11AC40MIMO_Ant1_5795_1000~40000



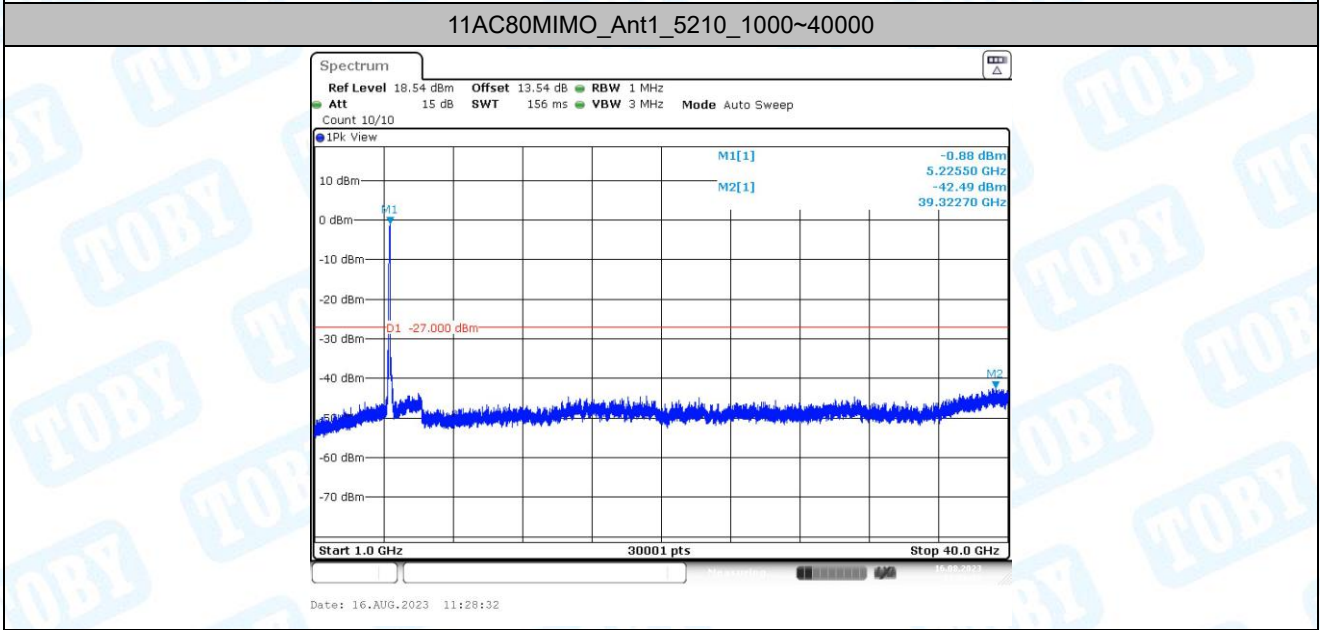
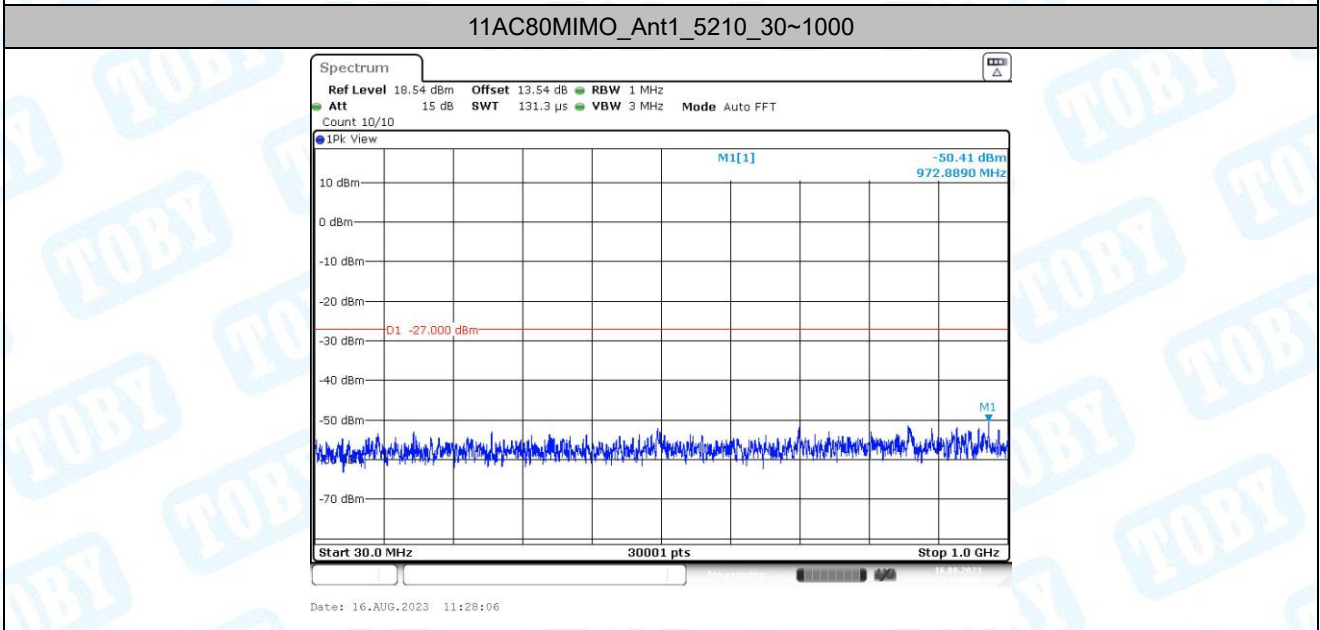
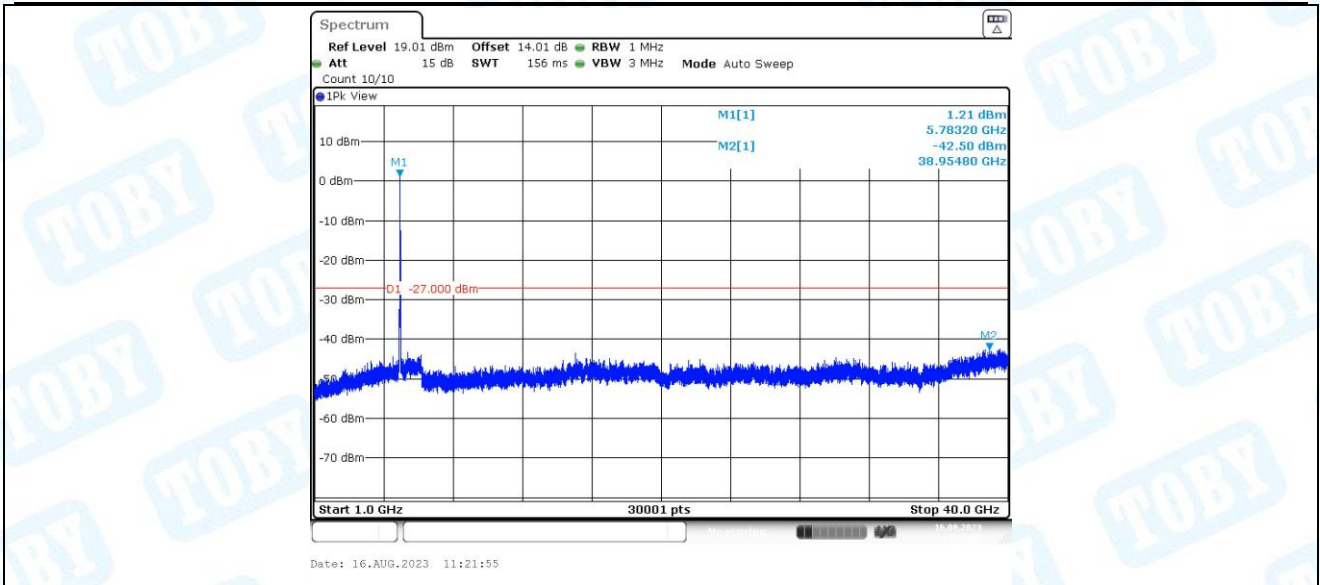
Date: 16.AUG.2023 11:18:49

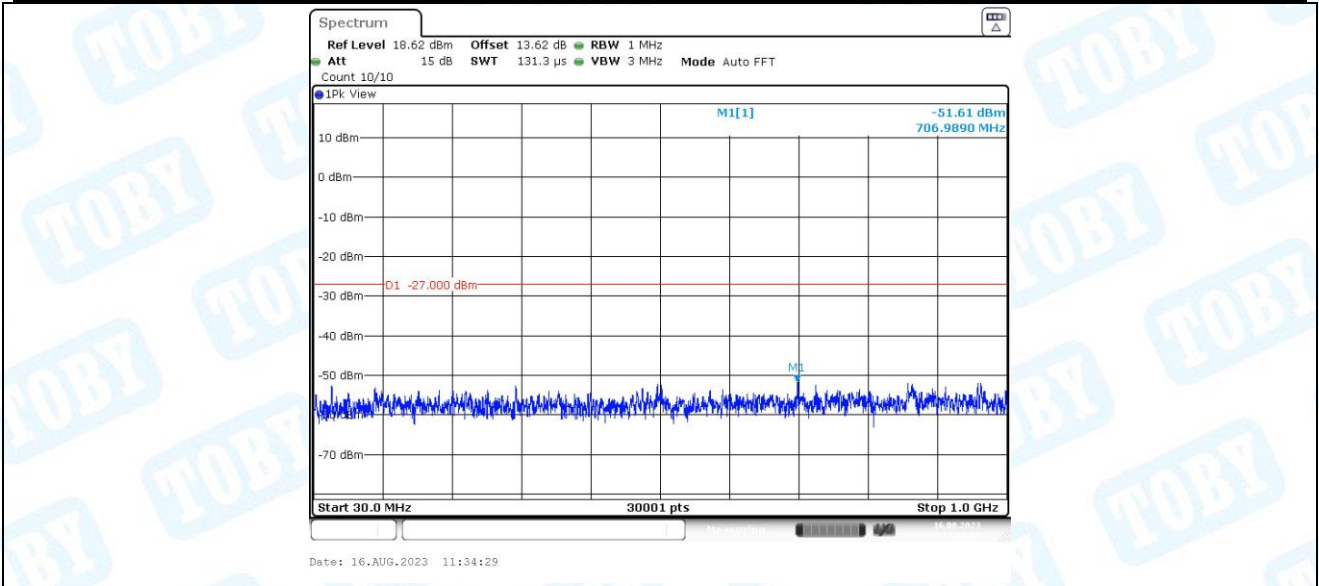
11AC40MIMO_Ant2_5795_30~1000



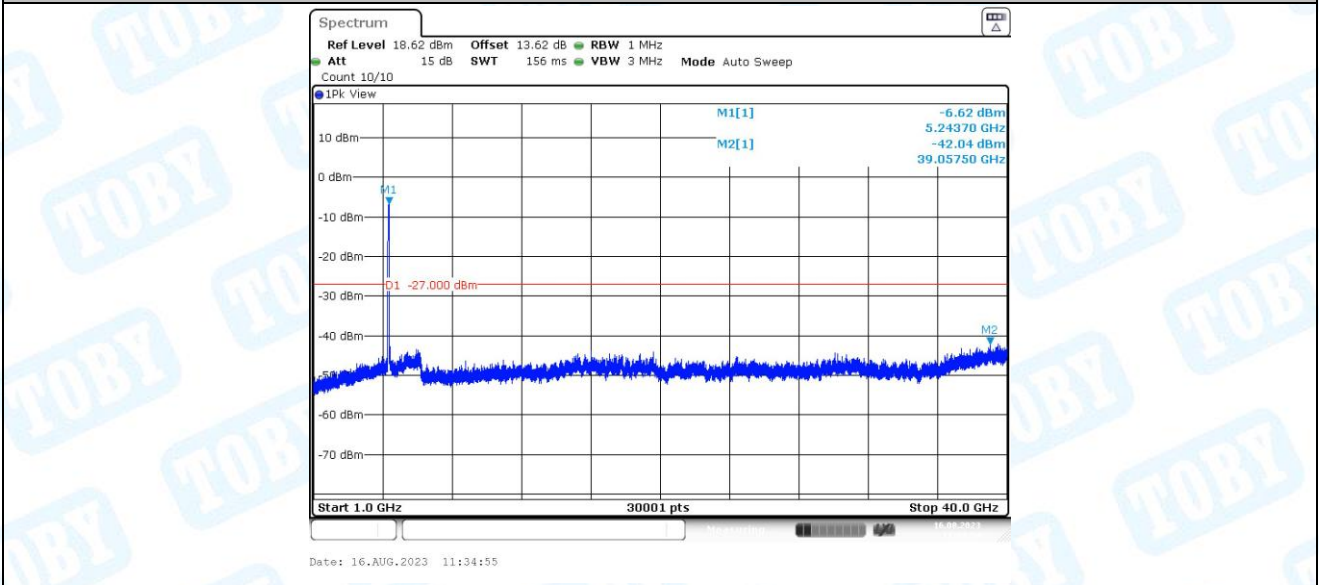
Date: 16.AUG.2023 11:21:42

11AC40MIMO_Ant2_5795_1000~40000

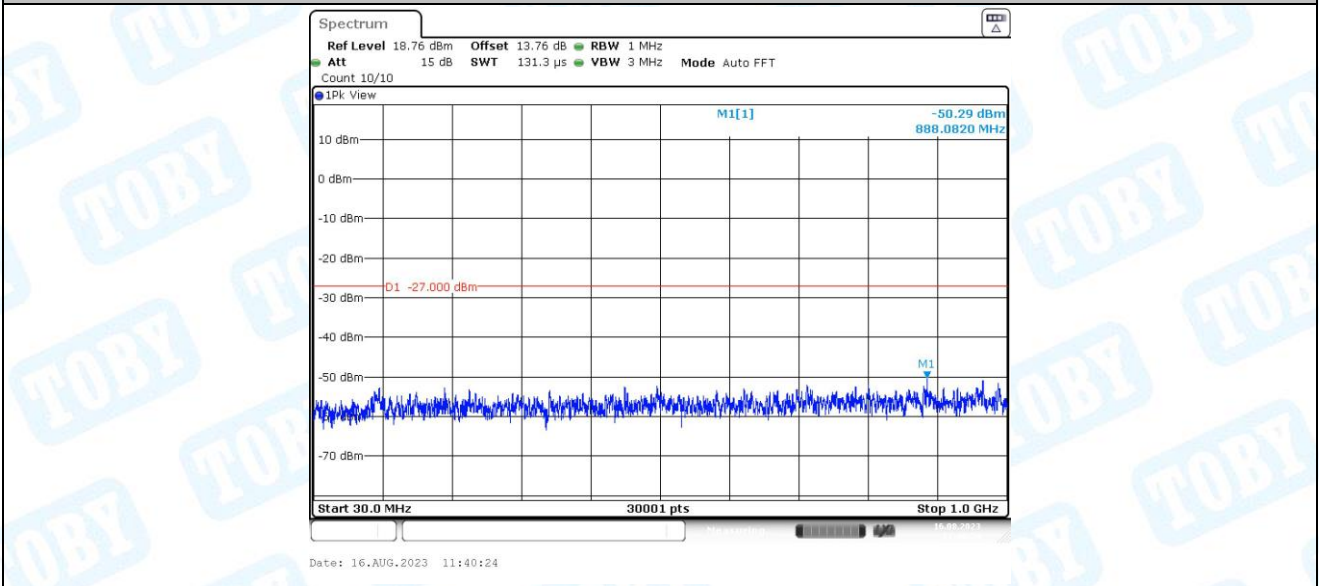




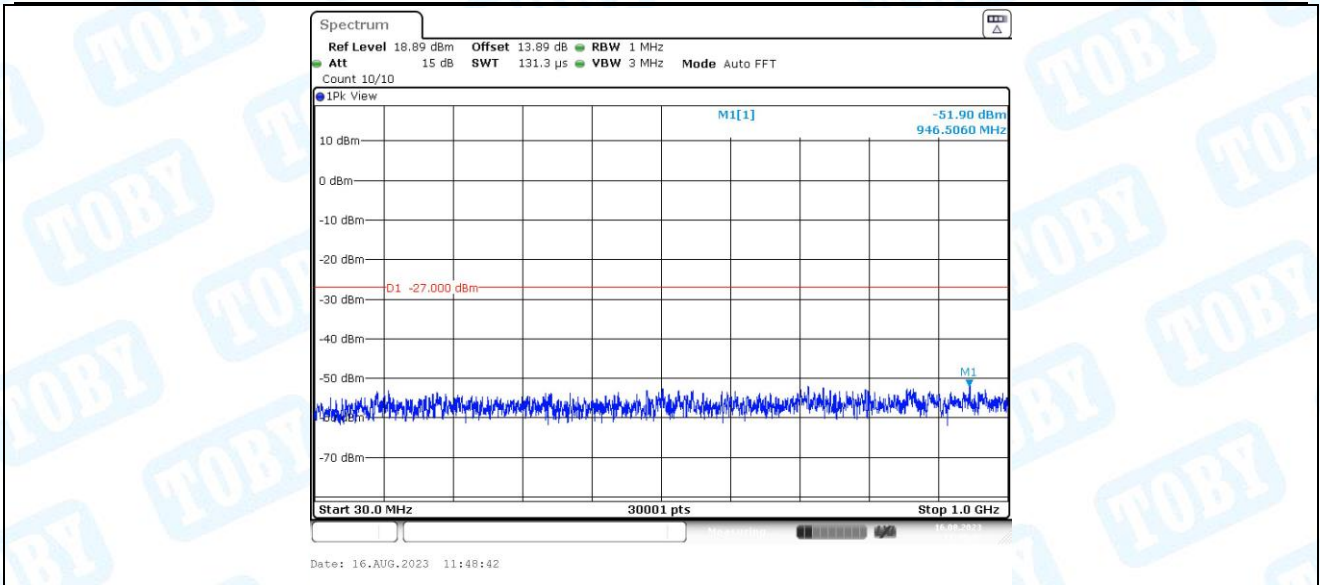
11AC80MIMO_Ant2_5210_1000~40000



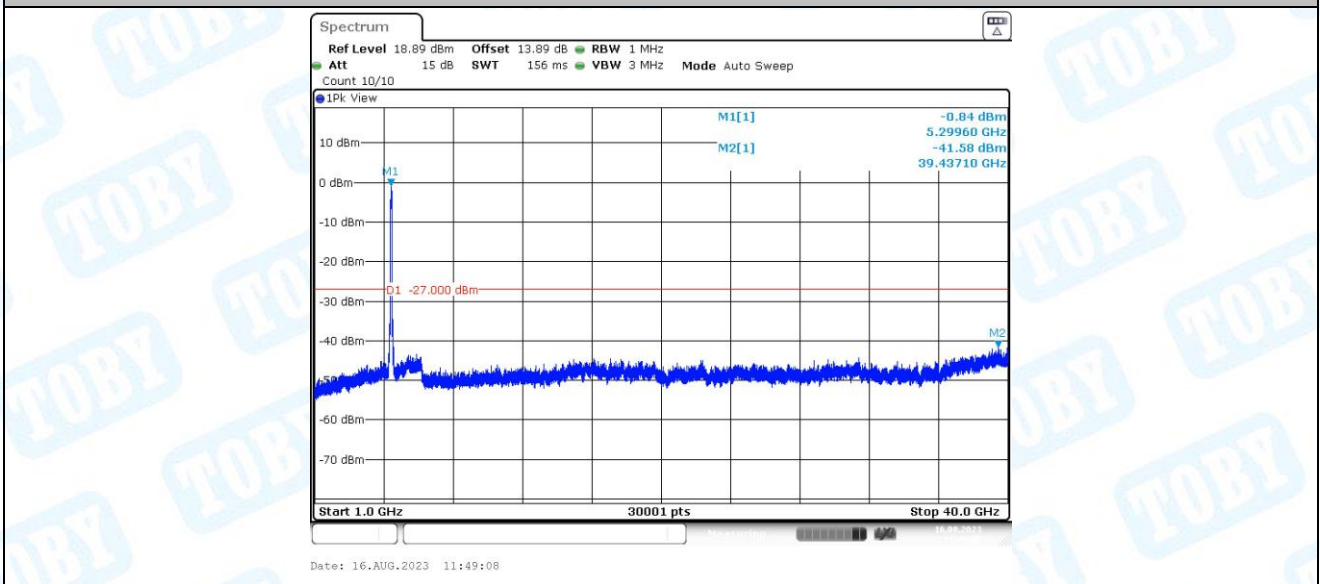
11AC80MIMO_Ant1_5290_30~1000



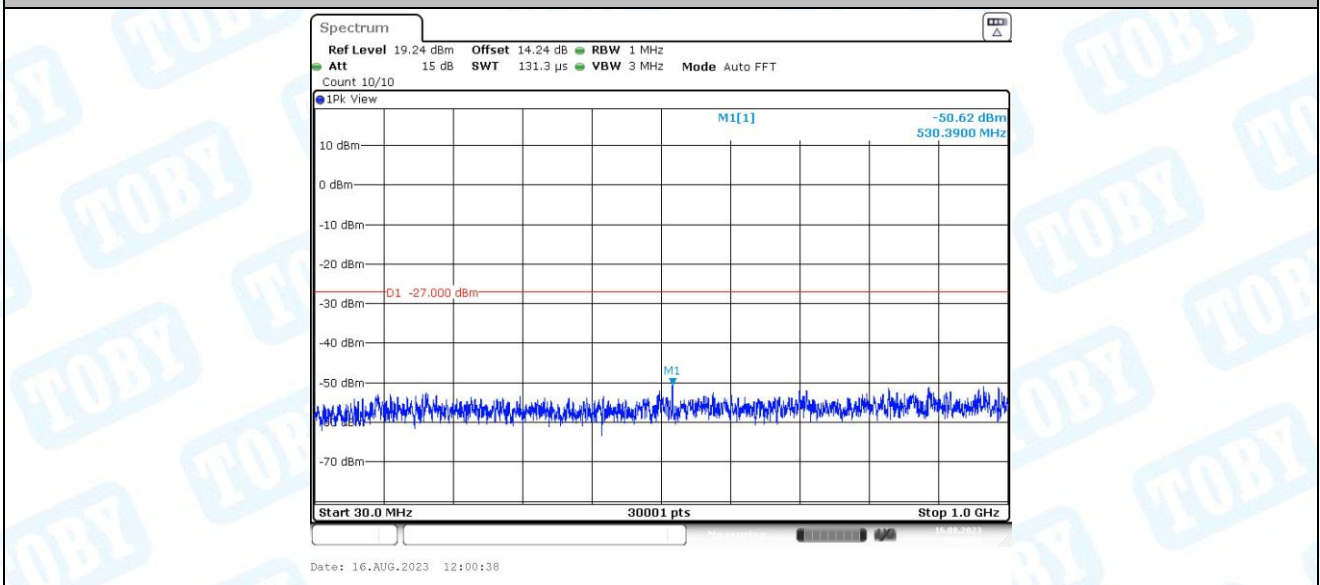
11AC80MIMO_Ant2_5290_30~1000



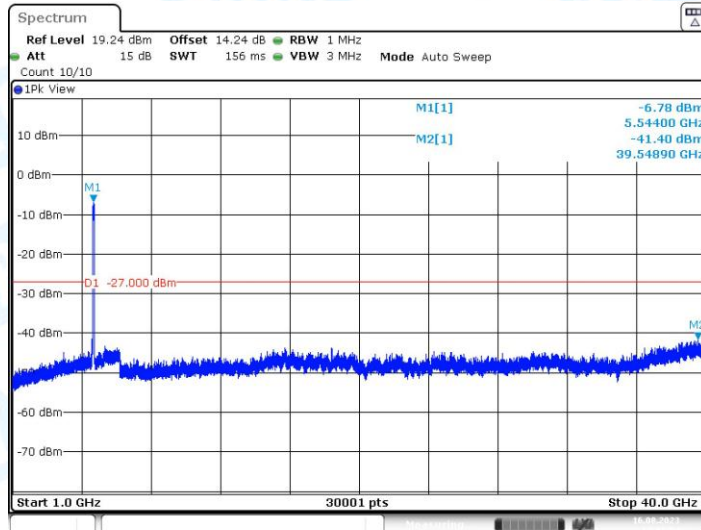
11AC80MIMO_Ant2_5290_1000~40000



11AC80MIMO_Ant1_5530_30~1000

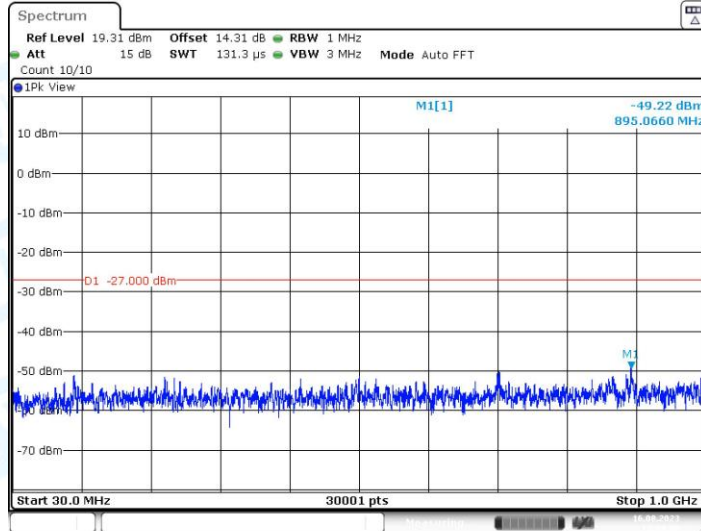


11AC80MIMO_Ant1_5530_1000~40000



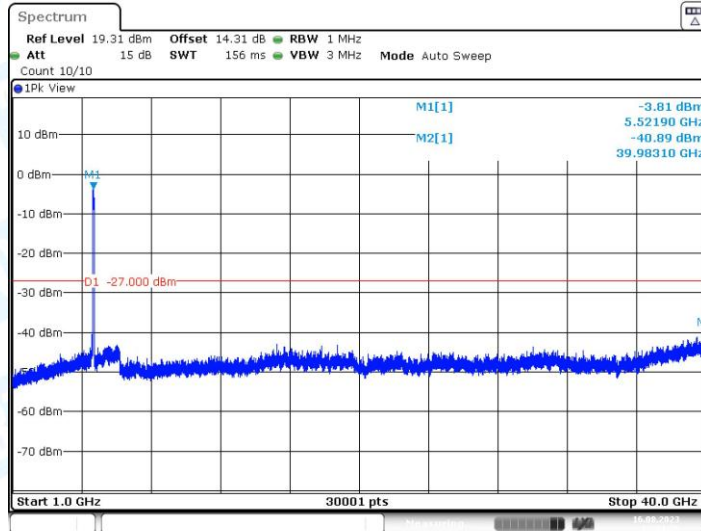
Date: 16.AUG.2023 12:01:04

11AC80MIMO_Ant2_5530_30~1000



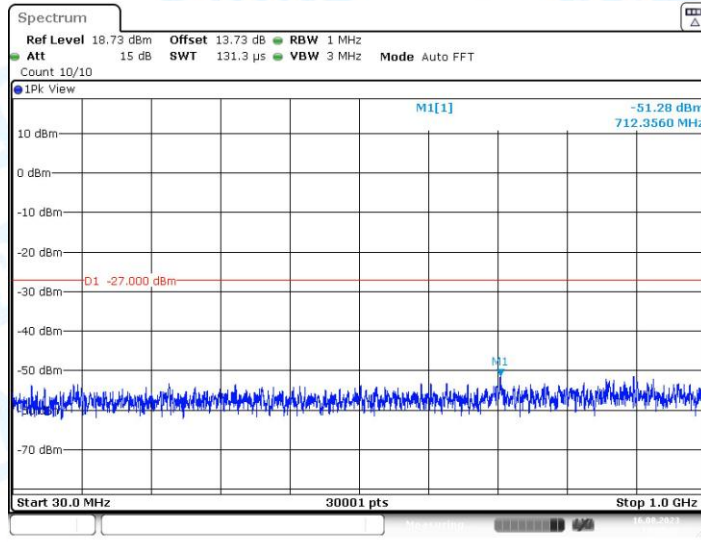
Date: 16.AUG.2023 12:04:00

11AC80MIMO_Ant2_5530_1000~40000



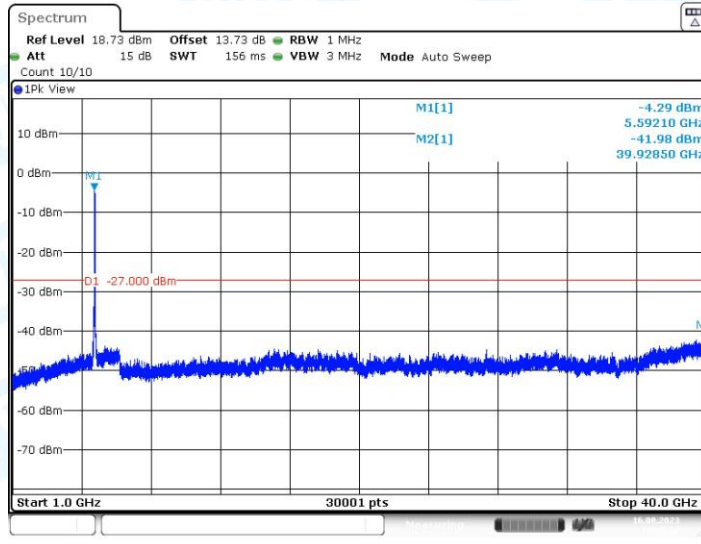
Date: 16.AUG.2023 12:04:25

11AC80MIMO_Ant1_5610_30~1000



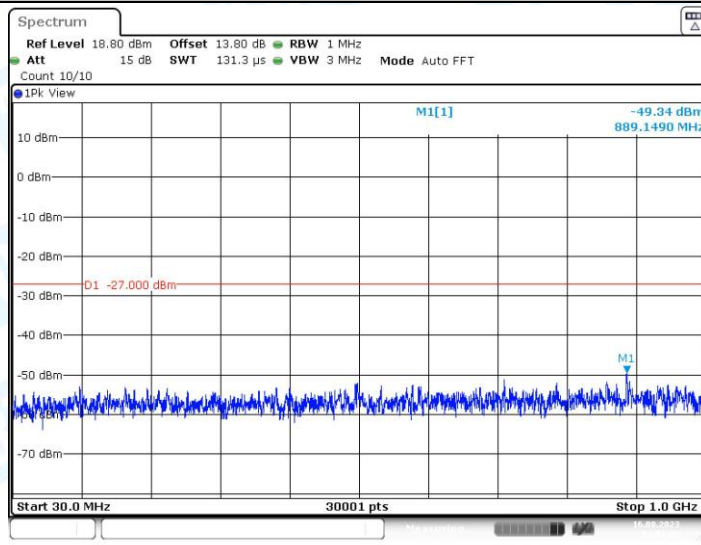
Date: 16.AUG.2023 13:50:31

11AC80MIMO_Ant1_5610_1000~40000



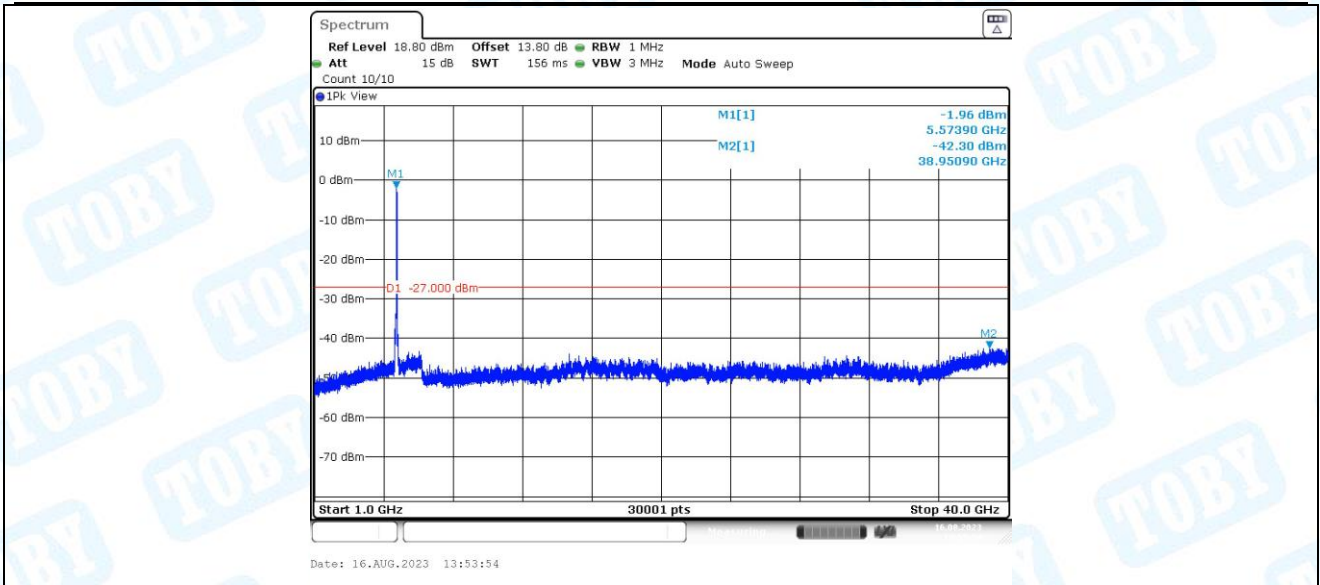
Date: 16.AUG.2023 13:50:57

11AC80MIMO_Ant2_5610_30~1000

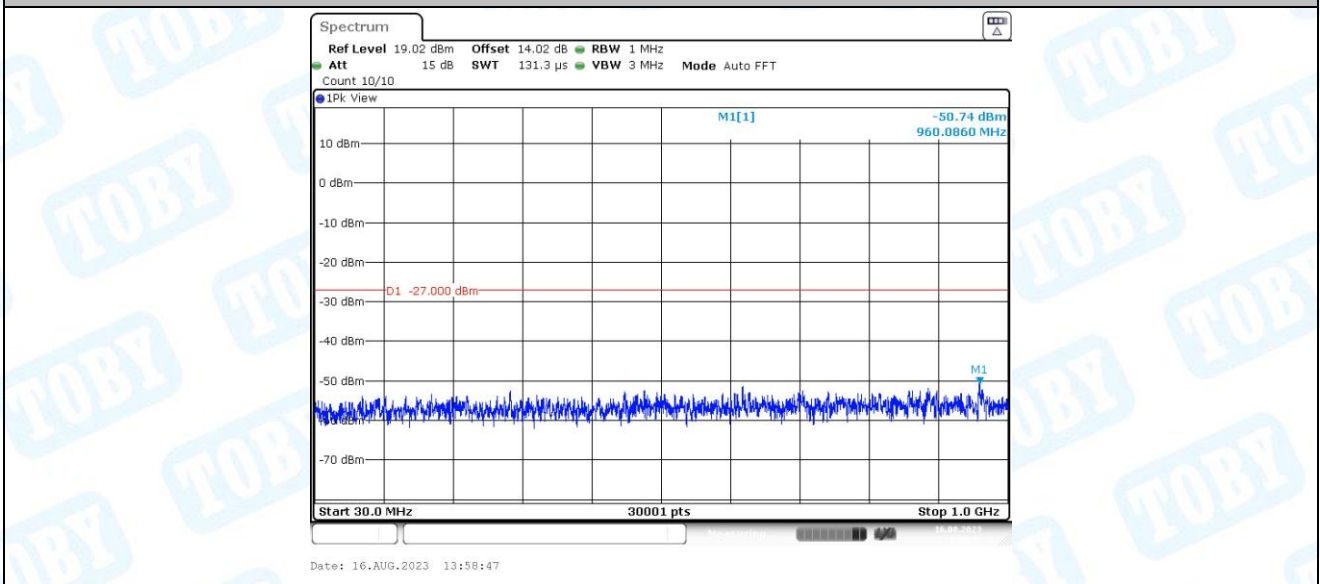


Date: 16.AUG.2023 13:53:29

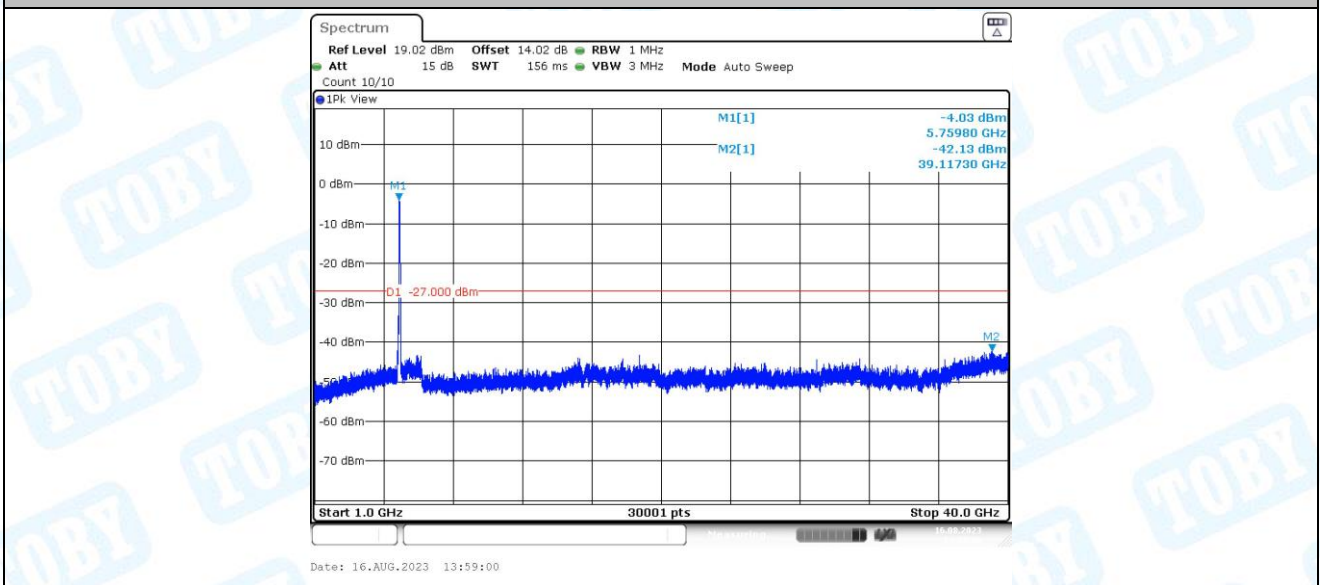
11AC80MIMO_Ant2_5610_1000~40000



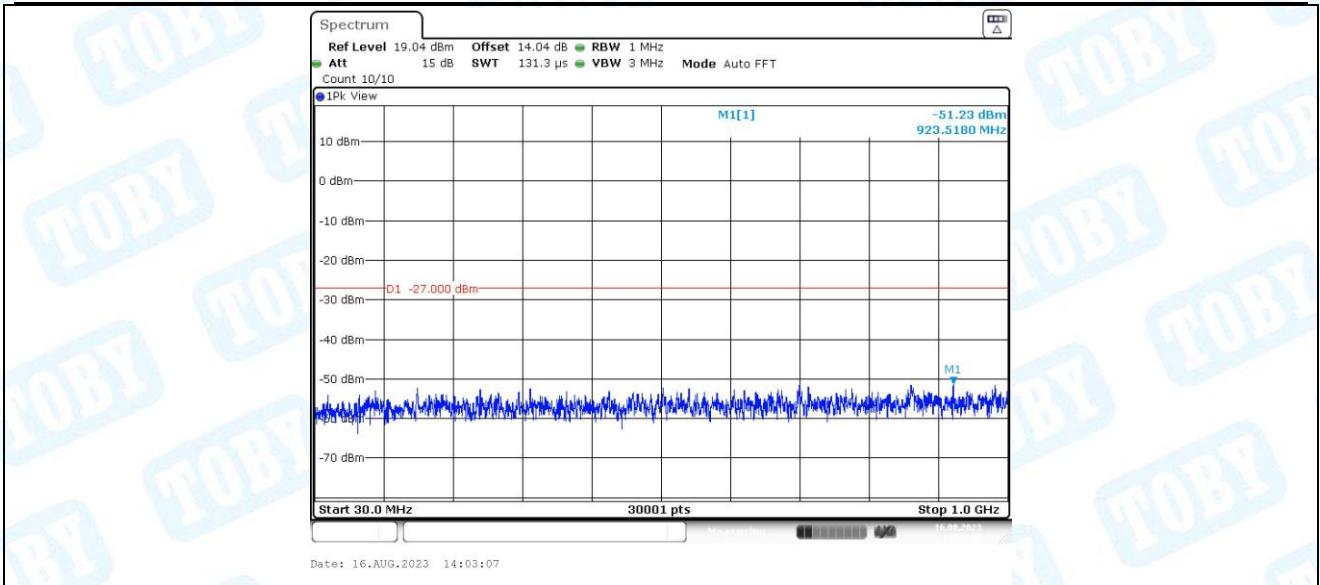
11AC80MIMO_Ant1_5775_30~1000



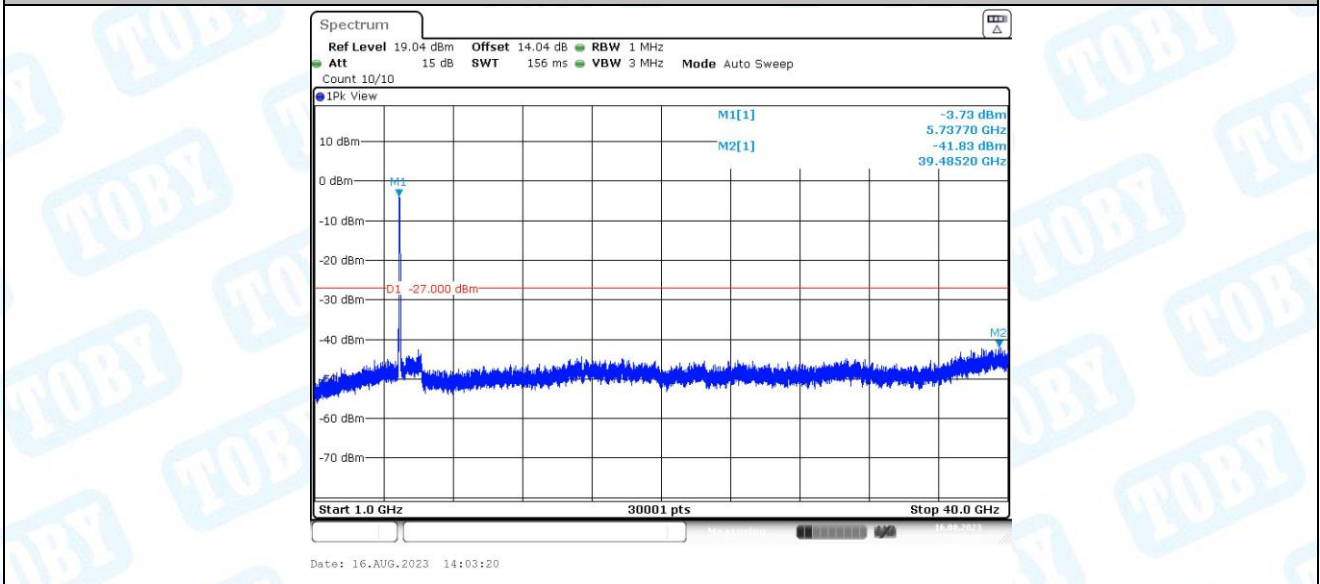
11AC80MIMO_Ant1_5775_1000~40000



11AC80MIMO_Ant2_5775_30~1000



11AC80MIMO_Ant2_5775_1000~40000



9. Frequency Stability

9.1. Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A-CDD	Ant1	5180	NV	NT	-100000.00	-19.305019	20	PASS
			LV	NT	-100000.00	-19.305019	20	PASS
			HV	NT	-100000.00	-19.305019	20	PASS
	Ant2	5180	NV	NT	-100000.00	-19.305019	20	PASS
			LV	NT	-100000.00	-19.305019	20	PASS
			HV	NT	-100000.00	-19.305019	20	PASS
	Ant1	5260	NV	NT	-100000.00	-19.011407	20	PASS
			LV	NT	-100000.00	-19.011407	20	PASS
			HV	NT	-100000.00	-19.011407	20	PASS
	Ant2	5260	NV	NT	-100000.00	-19.011407	20	PASS
			LV	NT	-100000.00	-19.011407	20	PASS
			HV	NT	-100000.00	-19.011407	20	PASS
	Ant1	5500	NV	NT	-100000.00	-18.181818	20	PASS
			LV	NT	-100000.00	-18.181818	20	PASS
			HV	NT	-100000.00	-18.181818	20	PASS
	Ant2	5500	NV	NT	-100000.00	-18.181818	20	PASS
			LV	NT	-100000.00	-18.181818	20	PASS
			HV	NT	-100000.00	-18.181818	20	PASS
	Ant1	5745	NV	NT	-100000.00	-17.406440	20	PASS
			LV	NT	-100000.00	-17.406440	20	PASS
			HV	NT	-100000.00	-17.406440	20	PASS
	Ant2	5745	NV	NT	-100000.00	-17.406440	20	PASS
			LV	NT	-100000.00	-17.406440	20	PASS
			HV	NT	-100000.00	-17.406440	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A-CDD	Ant1	5180	NV	0	-100000.00	-19.305019	20	PASS
			NV	10	-100000.00	-19.305019	20	PASS
			NV	20	-100000.00	-19.305019	20	PASS
			NV	30	-100000.00	-19.305019	20	PASS
			NV	40	-100000.00	-19.305019	20	PASS
			NV	45	-100000.00	-19.305019	20	PASS
	Ant2	5180	NV	0	-100000.00	-19.305019	20	PASS
			NV	10	-100000.00	-19.305019	20	PASS
			NV	20	-100000.00	-19.305019	20	PASS
			NV	30	-100000.00	-19.305019	20	PASS

	Ant1	5260	NV	40	-100000.00	-19.305019	20	PASS
			NV	45	-100000.00	-19.305019	20	PASS
			NV	0	-100000.00	-19.011407	20	PASS
			NV	10	-100000.00	-19.011407	20	PASS
			NV	20	-100000.00	-19.011407	20	PASS
			NV	30	-100000.00	-19.011407	20	PASS
			NV	40	-100000.00	-19.011407	20	PASS
			NV	45	-100000.00	-19.011407	20	PASS
	Ant2	5260	NV	0	-100000.00	-19.011407	20	PASS
			NV	10	-100000.00	-19.011407	20	PASS
			NV	20	-100000.00	-19.011407	20	PASS
			NV	30	-100000.00	-19.011407	20	PASS
			NV	40	-100000.00	-19.011407	20	PASS
			NV	45	-100000.00	-19.011407	20	PASS
	Ant1	5500	NV	0	-100000.00	-18.181818	20	PASS
			NV	10	-100000.00	-18.181818	20	PASS
			NV	20	-100000.00	-18.181818	20	PASS
			NV	30	-100000.00	-18.181818	20	PASS
			NV	40	-100000.00	-18.181818	20	PASS
			NV	45	-100000.00	-18.181818	20	PASS
	Ant2	5500	NV	0	-100000.00	-18.181818	20	PASS
			NV	10	-100000.00	-18.181818	20	PASS
			NV	20	-100000.00	-18.181818	20	PASS
			NV	30	-100000.00	-18.181818	20	PASS
NV			40	-100000.00	-18.181818	20	PASS	
NV			45	-100000.00	-18.181818	20	PASS	
Ant1	5745	NV	0	-100000.00	-17.406440	20	PASS	
		NV	10	-100000.00	-17.406440	20	PASS	
		NV	20	-100000.00	-17.406440	20	PASS	
		NV	30	-100000.00	-17.406440	20	PASS	
		NV	40	-100000.00	-17.406440	20	PASS	
		NV	45	-100000.00	-17.406440	20	PASS	
Ant2	5745	NV	0	-100000.00	-17.406440	20	PASS	
		NV	10	-100000.00	-17.406440	20	PASS	
		NV	20	-100000.00	-17.406440	20	PASS	
		NV	30	-100000.00	-17.406440	20	PASS	
		NV	40	-100000.00	-17.406440	20	PASS	
		NV	45	-100000.00	-17.406440	20	PASS	

10. Duty Cycle

10.1. Test Result

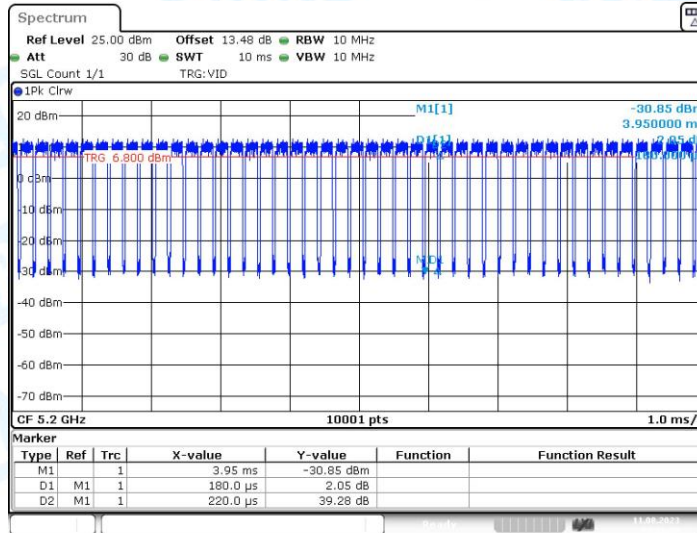
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/TKHz	Verdict
11A-CDD	Ant1	5180	0.17	0.21	80.95	5.88	---
	Ant2	5180	0.17	0.21	80.95	5.88	---
	Ant1	5200	0.18	0.22	81.82	5.55	---
	Ant2	5200	0.18	0.22	81.82	5.55	---
	Ant1	5240	0.18	0.22	81.82	5.56	---
	Ant2	5240	0.18	0.22	81.82	5.56	---
	Ant1	5260	0.18	0.22	81.82	5.56	---
	Ant2	5260	0.17	0.21	80.95	5.88	---
	Ant1	5280	0.17	0.21	80.95	5.88	---
	Ant2	5280	0.18	0.22	81.82	5.56	---
	Ant1	5320	0.18	0.22	81.82	5.56	---
	Ant2	5320	0.17	0.22	77.27	5.88	---
	Ant1	5500	0.18	0.22	81.82	5.56	---
	Ant2	5500	0.18	0.22	81.82	5.56	---
	Ant1	5580	0.18	0.22	81.82	5.56	---
	Ant2	5580	0.18	0.22	81.82	5.56	---
	Ant1	5700	0.18	0.22	81.82	5.56	---
	Ant2	5700	0.17	0.22	77.27	5.88	---
	Ant1	5745	0.17	0.21	80.95	5.88	---
	Ant2	5745	0.18	0.22	81.82	5.55	---
	Ant1	5785	0.17	0.21	80.95	5.88	---
	Ant2	5785	0.18	0.22	81.82	5.55	---
	Ant1	5825	0.17	0.21	80.95	5.88	---
	Ant2	5825	0.18	0.22	81.82	5.88	---
11N20MIMO	Ant1	5180	0.16	0.20	80.00	6.25	---
	Ant2	5180	0.17	0.21	80.95	5.88	---
	Ant1	5200	0.16	0.20	80.00	6.25	---
	Ant2	5200	0.17	0.21	80.95	5.88	---
	Ant1	5240	0.16	0.20	80.00	6.25	---
	Ant2	5240	0.17	0.21	80.95	5.88	---
	Ant1	5260	0.16	0.20	80.00	6.25	---
	Ant2	5260	0.17	0.21	80.95	5.88	---
	Ant1	5280	0.16	0.20	80.00	6.25	---
	Ant2	5280	0.16	0.20	80.00	6.25	---
	Ant1	5320	0.16	0.20	80.00	6.25	---
	Ant2	5320	0.16	0.20	80.00	6.25	---
	Ant1	5500	0.17	0.21	80.95	5.88	---
	Ant2	5500	0.16	0.20	80.00	6.25	---
Ant1	5580	0.16	0.21	76.19	6.25	---	

	Ant2	5580	0.16	0.20	80.00	6.25	---	
	Ant1	5700	0.17	0.21	80.95	5.88	---	
	Ant2	5700	0.16	0.21	76.19	6.25	---	
	Ant1	5745	0.16	0.20	80.00	6.25	---	
	Ant2	5745	0.16	0.20	80.00	6.25	---	
	Ant1	5785	0.16	0.20	80.00	6.25	---	
	Ant2	5785	0.17	0.21	80.95	5.88	---	
	Ant1	5825	0.16	0.20	80.00	6.25	---	
	Ant2	5825	0.16	0.20	80.00	6.25	---	
11N40MIMO	Ant1	5190	0.13	0.17	76.47	7.69	---	
	Ant2	5190	0.13	0.17	76.47	7.69	---	
	Ant1	5230	0.12	0.16	75.00	8.33	---	
	Ant2	5230	0.12	0.16	75.00	8.33	---	
	Ant1	5270	0.13	0.17	76.47	7.69	---	
	Ant2	5270	0.13	0.17	76.47	7.69	---	
	Ant1	5310	0.13	0.17	76.47	7.69	---	
	Ant2	5310	0.12	0.16	75.00	8.33	---	
	Ant1	5510	0.12	0.17	70.59	8.33	---	
	Ant2	5510	0.13	0.17	76.47	7.69	---	
	Ant1	5550	0.13	0.17	76.47	7.69	---	
	Ant2	5550	0.13	0.17	76.47	7.69	---	
	Ant1	5670	0.12	0.16	75.00	8.33	---	
	Ant2	5670	0.13	0.17	76.47	7.69	---	
	Ant1	5755	0.13	0.17	76.47	7.69	---	
	Ant2	5755	0.12	0.17	70.59	8.33	---	
	Ant1	5795	0.13	0.17	76.47	7.69	---	
	Ant2	5795	0.13	0.17	76.47	7.69	---	
	11AC20MIMO	Ant1	5180	0.15	0.19	78.95	5.26	---
		Ant2	5180	0.15	0.19	78.95	5.26	---
		Ant1	5200	0.15	0.19	78.95	5.26	---
Ant2		5200	0.15	0.19	78.95	5.26	---	
Ant1		5240	0.15	0.19	78.95	5.26	---	
Ant2		5240	0.15	0.19	78.95	5.26	---	
Ant1		5260	0.15	0.19	78.95	5.26	---	
Ant2		5260	0.15	0.19	78.95	5.26	---	
Ant1		5280	0.14	0.19	73.68	5.26	---	
Ant2		5280	0.15	0.19	78.95	5.26	---	
Ant1		5320	0.15	0.19	78.95	5.26	---	
Ant2		5320	0.15	0.19	78.95	5.26	---	
Ant1		5500	0.15	0.19	78.95	5.26	---	
Ant2		5500	0.15	0.19	78.95	5.26	---	
Ant1		5580	0.14	0.18	77.78	5.55	---	
Ant2		5580	0.15	0.19	78.95	5.26	---	
Ant1		5700	0.15	0.19	78.95	5.26	---	
Ant2		5700	0.15	0.19	78.95	5.26	---	

	Ant1	5745	0.15	0.19	78.95	5.26	---	
	Ant2	5745	0.15	0.19	78.95	5.26	---	
	Ant1	5785	0.15	0.19	78.95	5.26	---	
	Ant2	5785	0.15	0.19	78.95	5.26	---	
	Ant1	5825	0.15	0.19	78.95	5.26	---	
	Ant2	5825	0.14	0.18	77.78	5.26	---	
11AC40MIMO	Ant1	5190	0.09	0.13	69.23	7.69	---	
	Ant2	5190	0.08	0.12	66.67	8.33	---	
	Ant1	5230	0.09	0.13	69.23	7.69	---	
	Ant2	5230	0.09	0.13	69.23	7.69	---	
	Ant1	5270	0.08	0.13	61.54	7.69	---	
	Ant2	5270	0.08	0.12	66.67	8.33	---	
	Ant1	5310	0.09	0.13	69.23	7.69	---	
	Ant2	5310	0.08	0.12	66.67	8.33	---	
	Ant1	5510	0.09	0.13	69.23	7.69	---	
	Ant2	5510	0.08	0.12	66.67	8.33	---	
	Ant1	5550	0.09	0.13	69.23	7.69	---	
	Ant2	5550	0.09	0.13	69.23	7.69	---	
	Ant1	5670	0.09	0.13	69.23	7.69	---	
	Ant2	5670	0.09	0.13	69.23	7.69	---	
	Ant1	5755	0.09	0.13	69.23	7.69	---	
	Ant2	5755	0.08	0.12	66.67	8.33	---	
	11AC80MIMO	Ant1	5795	0.09	0.13	69.23	7.69	---
		Ant2	5795	0.09	0.13	69.23	7.69	---
Ant1		5210	0.07	0.11	63.64	0.016	---	
Ant2		5210	0.06	0.10	60.00	0.017	---	
Ant1		5290	0.06	0.10	60.00	0.017	---	
Ant2		5290	0.06	0.10	60.00	0.017	---	
Ant1		5530	0.06	0.11	54.55	0.018	---	
Ant2		5530	0.06	0.11	54.55	0.018	---	
Ant1		5610	0.07	0.11	63.64	0.016	---	
Ant2		5610	0.07	0.11	63.64	0.016	---	
	Ant1	5775	0.07	0.11	63.64	0.016	---	
	Ant2	5775	0.06	0.10	60.00	0.017	---	

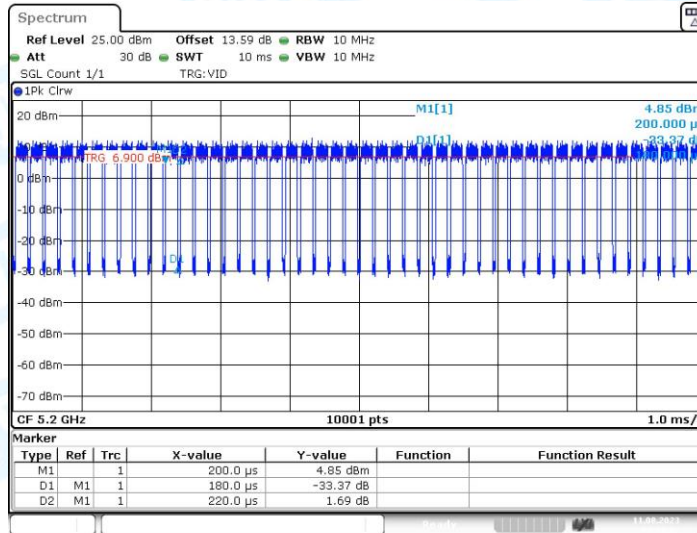
10.2. Test Graphs





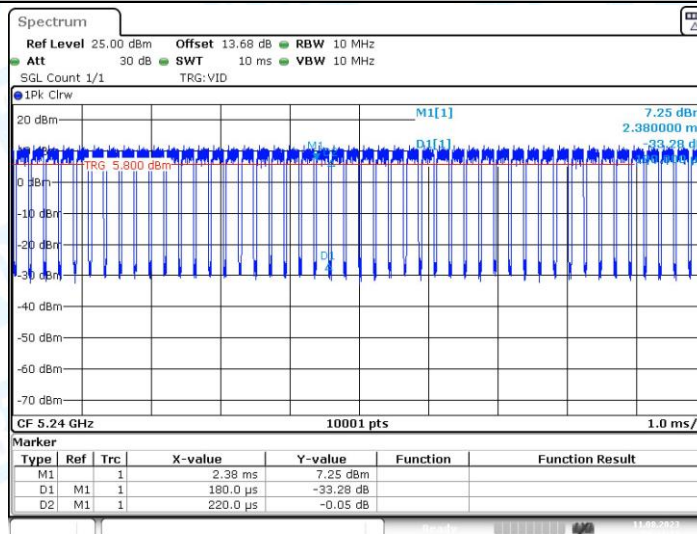
Date: 11.AUG.2023 09:36:28

11A-CDD_Ant2_5200



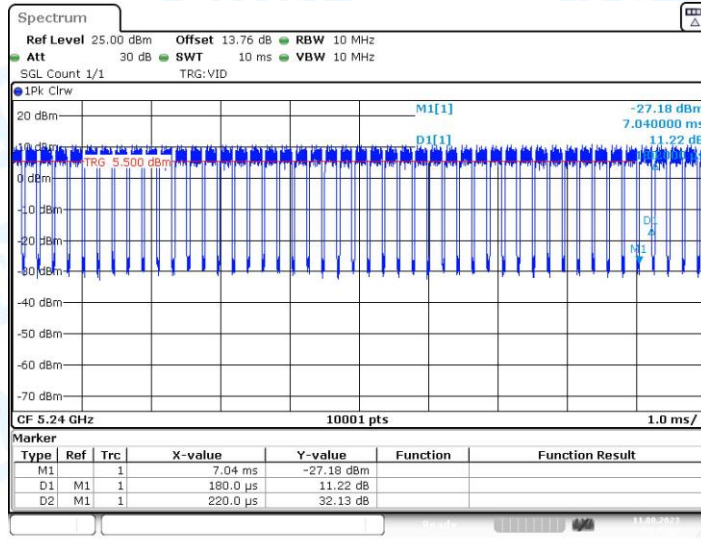
Date: 11.AUG.2023 09:39:03

11A-CDD_Ant1_5240

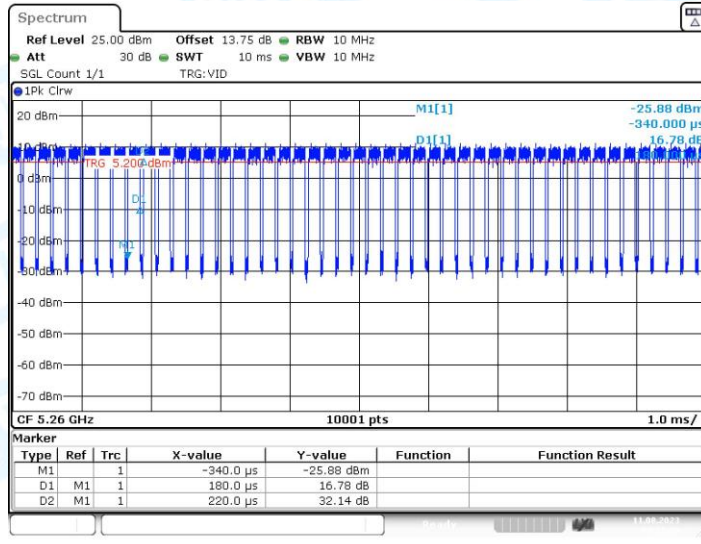


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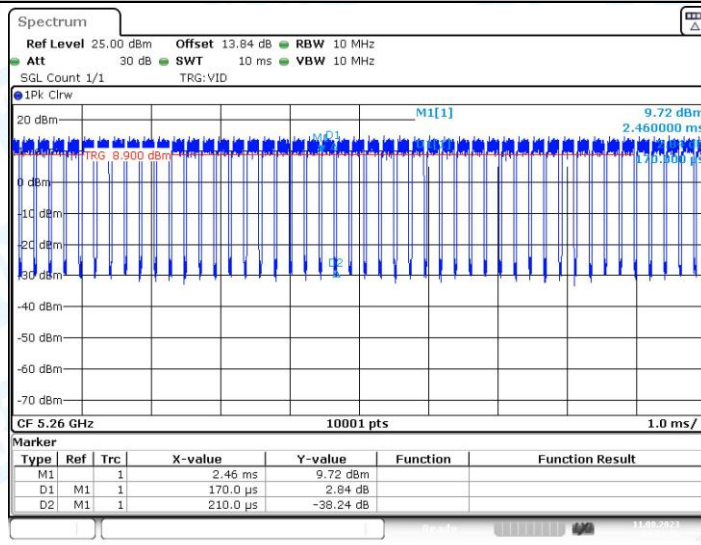
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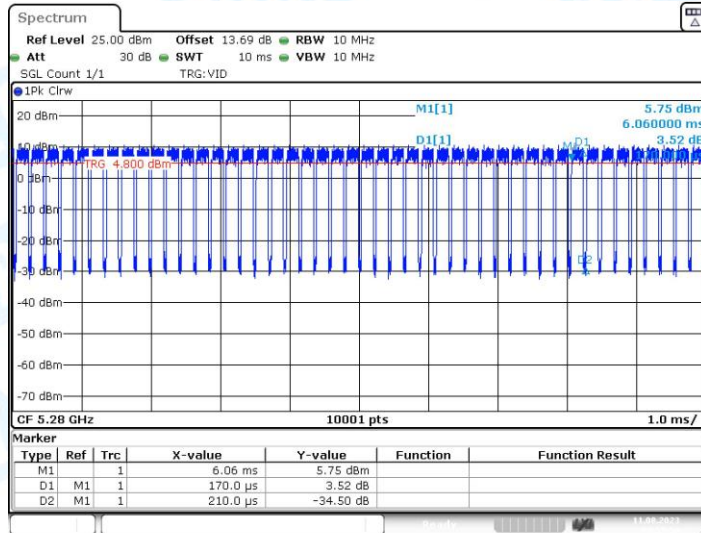
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11A-CDD_Ant2_5260

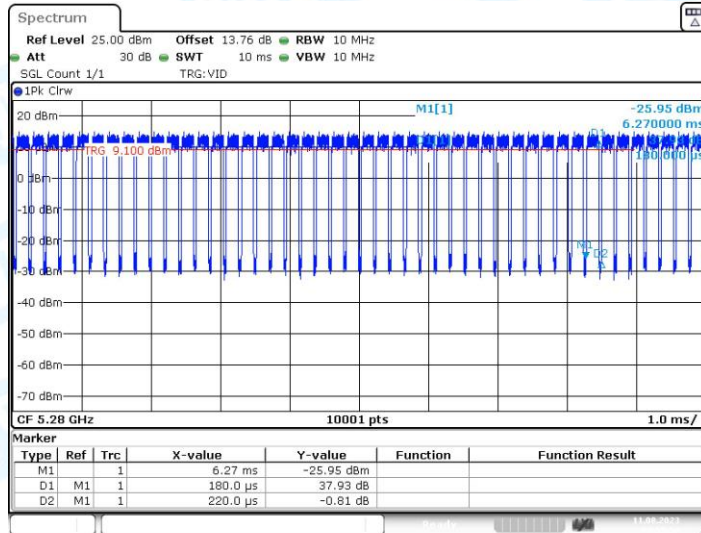


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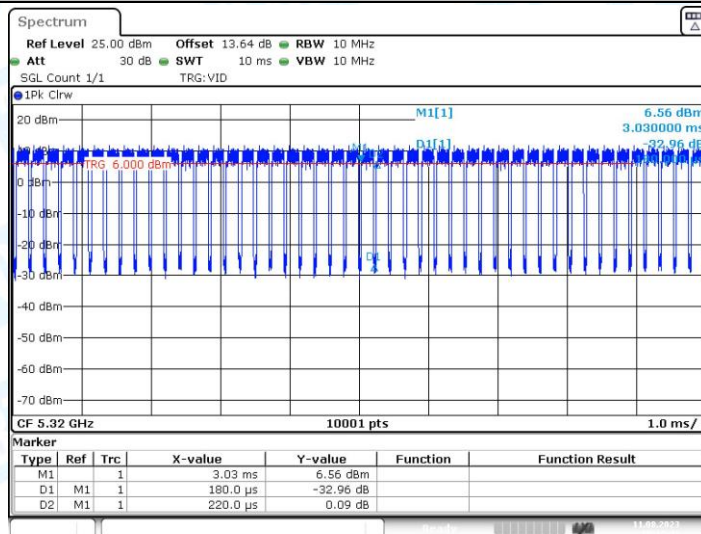
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11A-CDD_Ant2_5280



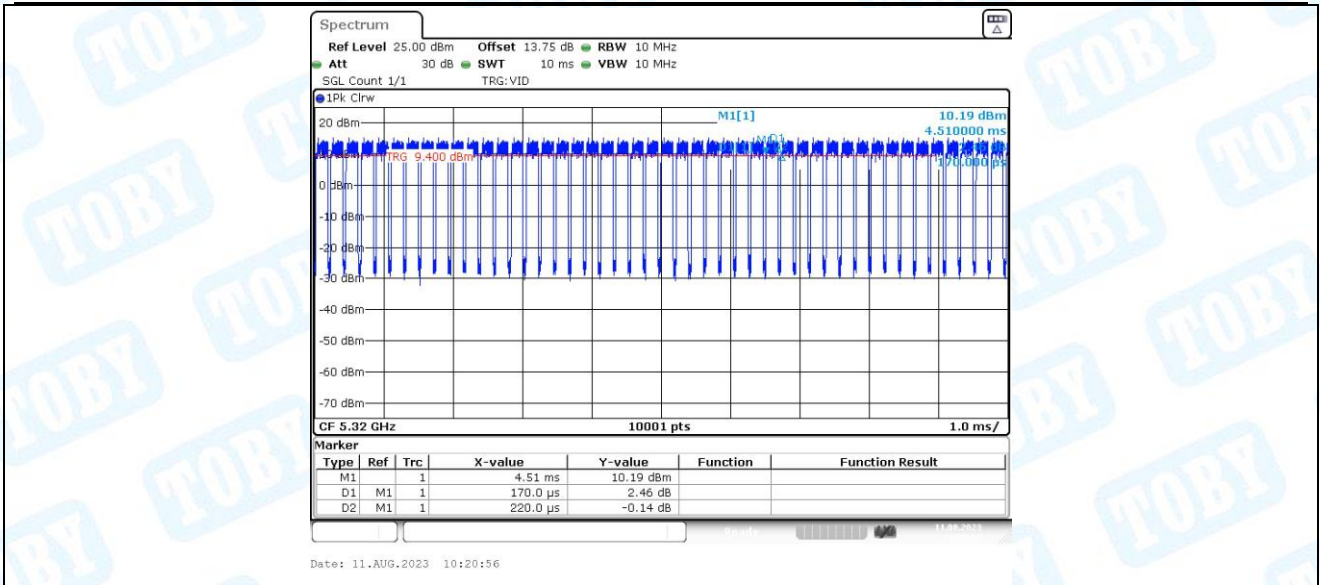
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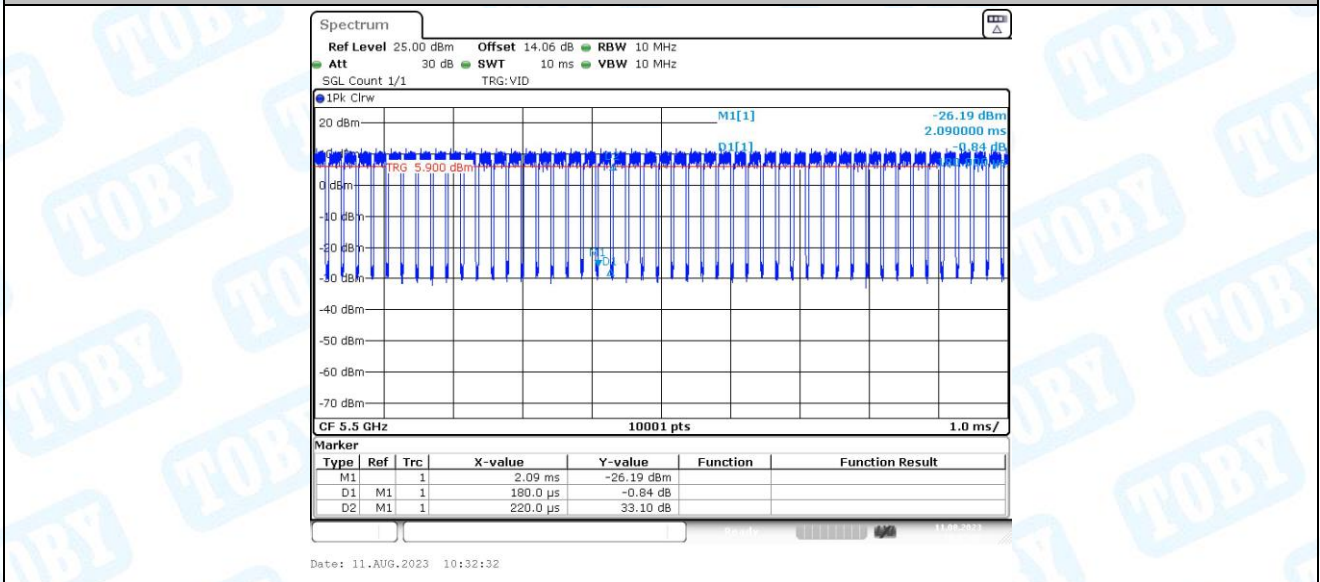


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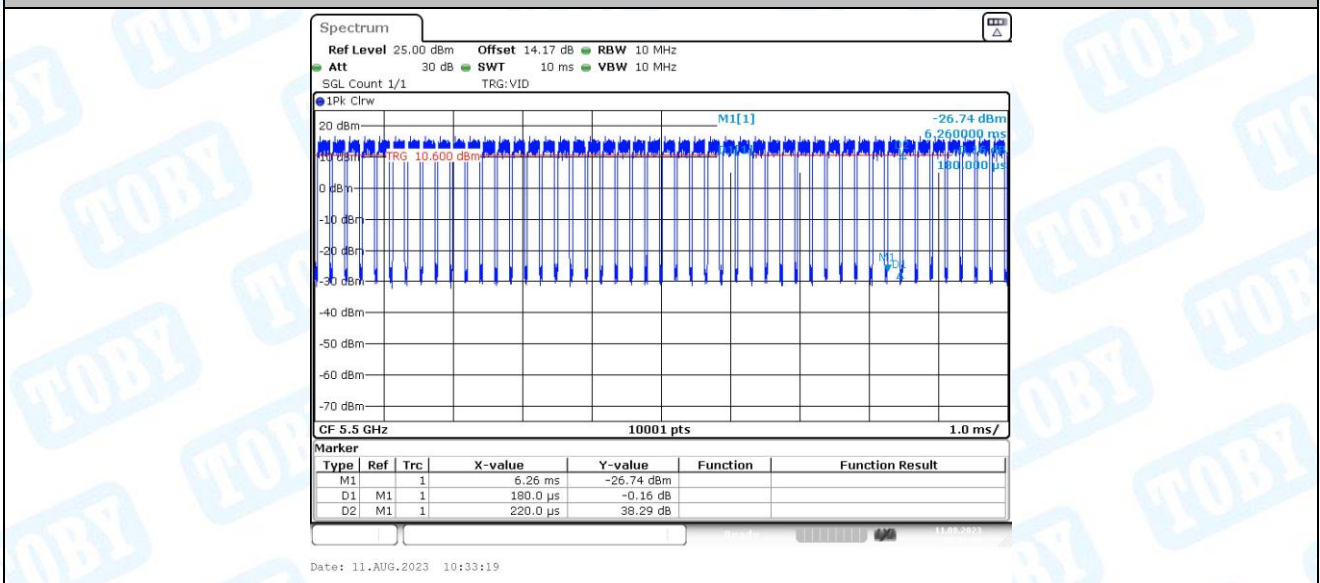
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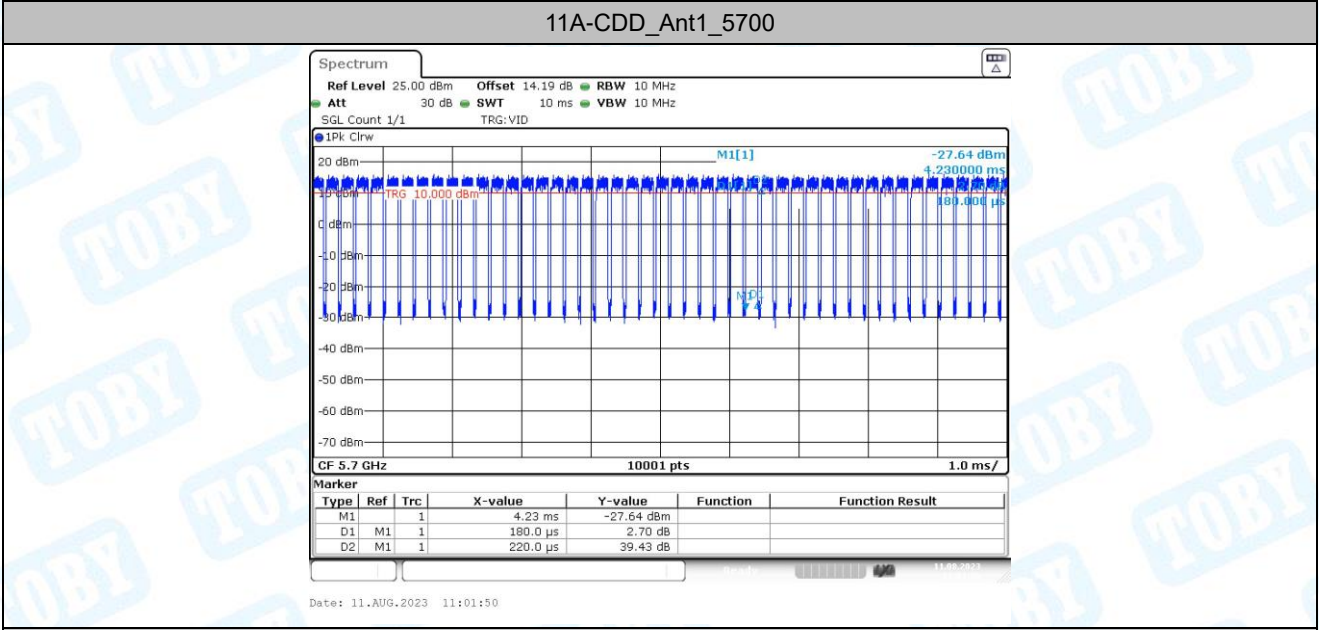
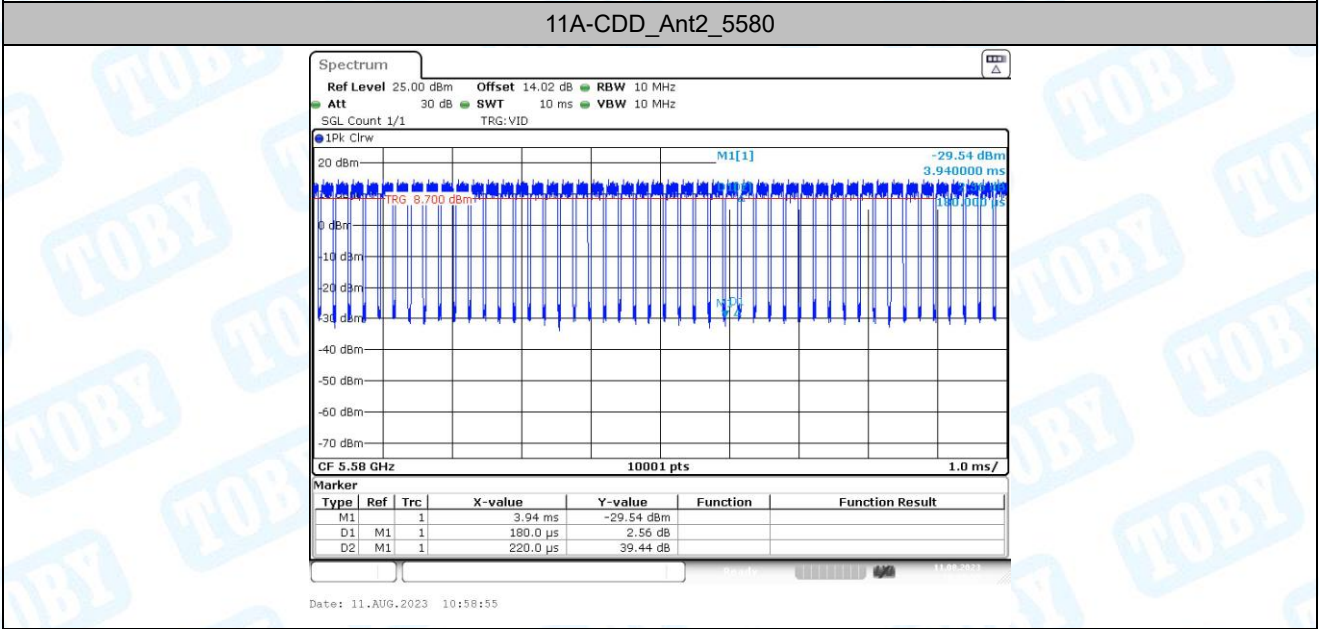
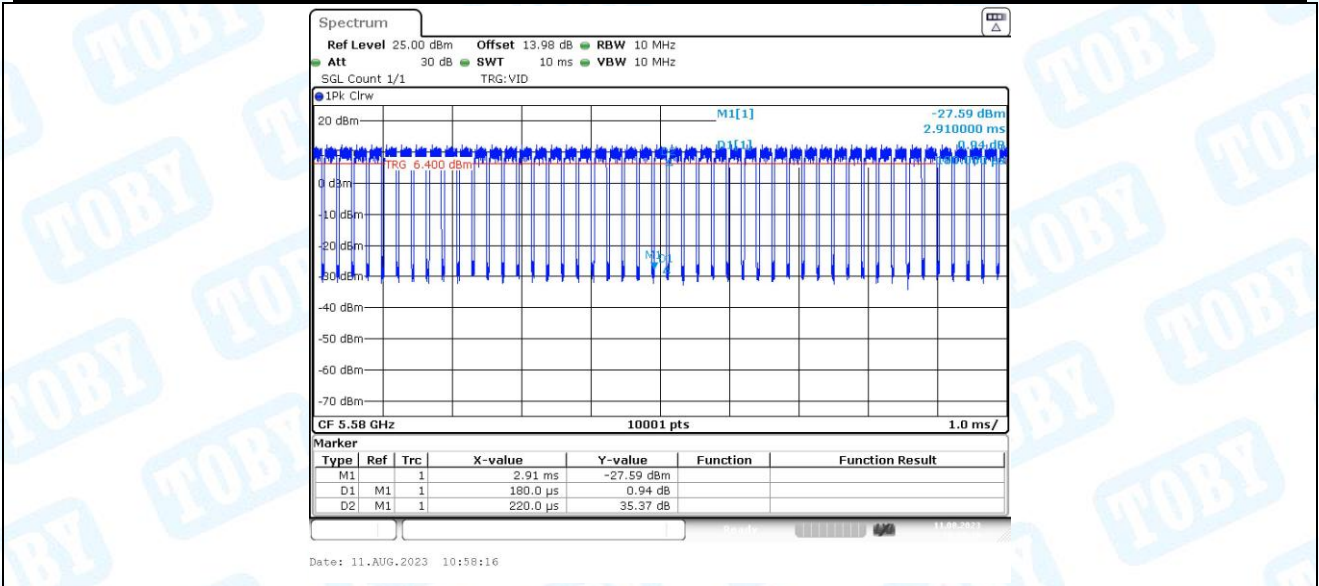
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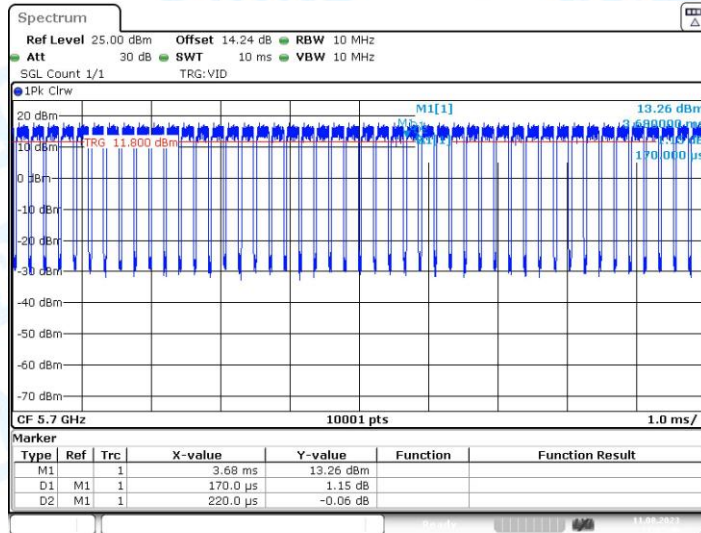


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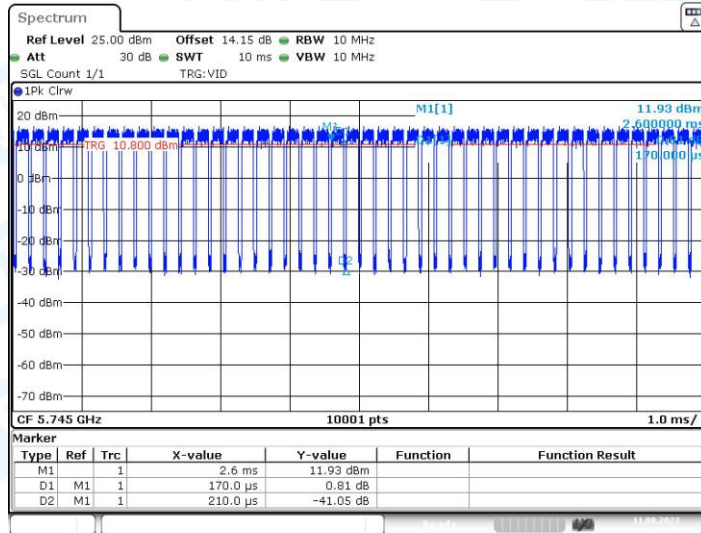
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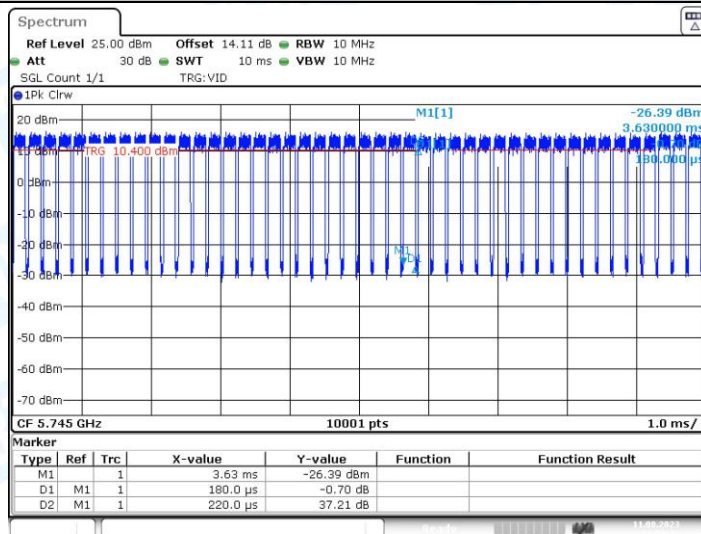
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11A-CDD_Ant1_5745



Date: 11.AUG.2023 11:52:09

11A-CDD_Ant2_5745



Date: 11.AUG.2023 11:55:19

11A-CDD_Ant1_5785

